



**Quintette  
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June 13, 1995

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Dear Mr. Matheson,

Please find enclosed two copies of the 1994 Assessment report for exploration work on our coal licences, entitled "1994 Geological Report - Mesa Extension". If you have any questions, please call Kevin Sharman, Senior Geologist.

Yours truly,  
QUINETTE OPERATING CORPORATION

R. G. Scott  
Mine Manager

**QUINTETTE OPERATING CORPORATION**

**1994 GEOLOGICAL REPORT**

**MESA EXTENSION**

**June, 1995**

**PREPARED BY: GEOLOGY DEPARTMENT, QUINTETTE OPERATING CORPORATION.**

**1994 GEOLOGICAL REPORT  
ON MESA EXTENSION**

**Coal Licences: Coal lease #6  
Licences 3594, 4532.**

**Quintette Operating Corporation - Teck Corporation Manager**

**Submitted: June 15, 1995**

**Assessment report for the application to extend the term of Quintette  
Operating Corporation's Licences, 1995-1996**

**Location: Latitude - 55° 00' N  
Longitude- 121°00' W**

**NTS Map Sheet 93 P3**

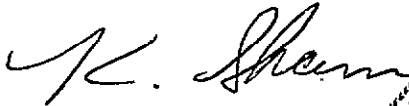
**Peace River Land District**

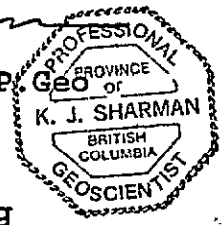
**Work conducted between May 1994 and October 30, 1994.**

**Report Prepared by: Kevin Sharman, Steve Szalkai**

## STATEMENT OF QUALIFICATIONS

I, Kevin J. Sharman, graduated from the University of Calgary, at Calgary Alberta, with a B.Sc. degree in Geology in June, 1980. I have worked in coal exploration and coal mine geology in British Columbia for 15 years. I have conducted Field Exploration, Geologic Mapping, Core Logging and Trenching; supervised Rotary Drilling, Core Drilling and Adit Driveage; managed Exploration Crews, Contractors and the Mine Geology Department; prepared short and long ranged geological interpretations of mining areas; and conducted Quality Control.

  
Kevin J. Sharman, P. Geo.  
Senior Geologist  
Quintette Operating  
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Tumbler Ridge, B.C.



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## 1.0 Summary

The Mesa Extension exploration area is located north-west of the current Mesa Pit. It covers the region between the 19500 and the 21500 mine grid eastings and extends beyond the 37600 northing to the Wolverine River Valley.

Exploration of the Mesa Extension area began in 1976. Between 1976 and 1994 extensive regional and local mapping of naturally exposed outcrops has been undertaken.

Diamond and rotary drilling of the Mesa Extension were initiated in 1988 and continued in 1989, with further drilling completed in 1994. Core drilling has provided structural, thickness and quality data required to confirm the viability of the reserve to produce quality coking coal. Supplementary detailed mapping was completed along drill access road cuts during these drill programs.

Two adits were driven in 1994 to obtain bulk samples. Samples taken from both the E seam and the J seam have undergone pilot scale washability testing in addition to clean and raw analysis.

Reclamation of all 1988 and 1989 disturbances has been completed with 1994 reclamation only partially completed.

Table 1 summarizes the Mesa Extension exploration to date.

**TABLE 1 - Mesa Extension Exploration Summary**

YEAR	DRILL HOLES				ADITS		ROADS BUILT (km)
	ROTARY		DIAMOND		#	Length(m)	
	#	Length(m)	#	Length(m)			
1994	59	7675	7	494	2	105	4.4
1989	32	2964	3	579	-----	-----	4.7
1988	11	1147	1	234	-----	-----	4.5
<b>TOTALS</b>	<b>102</b>	<b>11786</b>	<b>11</b>	<b>1307</b>	<b>2</b>	<b>105</b>	<b>13.6</b>

## **2.0 INTRODUCTION**

The Quintette Operating Corporation property is situated in the Peace River Land District of northeast British Columbia in the inner foothills of the Rocky Mountains.

Quintette Operating Corporation currently produces 4.35 million tonnes of clean metallurgical coal. All coal production is from the Lower Cretaceous Gates Formation.

The data presented in this report is from rotary drilling, diamond drilling, geologic mapping and adit sampling. The report references all geologic reports on the Quintette property and summarizes all work completed to the end of 1994.

The purpose of the 1994 exploration program was to further delineate the coal structure and reserve estimates through rotary drilling and to provide thickness and quality data through diamond drilling to ensure Mesa Extension has quality coking coal.

### **2.1 Location and Access**

The Quintette Operating Corporation property is located in the Rocky Mountain Foothills belt of northeastern British Columbia. The coal bearing trend of this region is commonly referred to as the Peace River Coal Block. Mesa Extension is located 22km northwest from the preparation plant, which in turn is located 18 km south of the town of Tumbler Ridge. Tumbler Ridge is located 98 km south of Chetwynd and 106 km southeast of Dawson Creek.

### **2.2 License and Lease Numbers**

1994 exploration work carried out on Mesa Extension took place on Coal Lease #6 and Licenses 3594 and 4532.

### **2.3 Property History**

The Quintette Operating Corporation (Q.O.C.) property consists of Coal Lease #6 which covers an area of 11,667 ha and coal licences comprising 19,974 ha. Q.O.C. came into existence in 1991 when Teck Corporation took over from Denison Mines Limited as manager of the Quintette Minè. At the time of the take over, the mine was known as Quintette Coal Limited (Q.C.L.). Prior to 1991 the original Q.C.L. licences were acquired by Denison Mines Limited (D.M.L.) in 1970. For the purpose of developing the coal licenses Q.C.L. was incorporated under the laws of British Columbia on December 20, 1971.

Denison Mines Limited was appointed by Q.C.L. to manage the Q.C.L. project through the feasibility construction/development and start up and commencement of regular operations.

The first coal exploration on the property was conducted by D.M.L. in 1970 and large programs continued each year until 1977. Smaller programs were undertaken in 1979 and 1980 and a large scale exploration program was again conducted in 1981. Mining commenced in 1982 with the first coal being processed by the plant in December 1983.

Mesa Extension is an area that extends from Mesa Pit northwest to the Wolverine River. It is an area approximately 2.1 km long and 1.5 km wide. It is an area of steep slopes with many reaching 36°.

Exploration in Mesa Extension started in 1988 with additional programs in 1989 and 1994. Prior to 1988 Mesa Extension had only been mapped on a regional scale.

## 2.4 Historical Summary of Work Being Reported

Prior to 1988, as mentioned previously Mesa Extension had only been mapped on a regional scale. 1988 saw the drilling of 1 diamond hole and 11 rotary holes. In 1989, 32 rotary holes were drilled along with 3 diamond holes. 1994 saw a large scale drill program initiated with 59 rotary holes drilled along with 7 diamond holes. Along with the drilling, 2 adits were completed, one in E seam and the other in J seam. Extensive mapping of coal and rock exposures from completed drill access roads has served as valuable information for geological interpretations in the years of exploration work 1988, 1989 and 1994.

## 2.5 Project Management and Primary Contractors

This report, exploration and reclamation work was completed by Q.O.C. geology staff, environmental staff and contractors.

### Quintette Operating Corporation

K. Sharman	- Senior Geologist
K. Bittman	- Environmental Supervisor
S. Szalkai	- Long Range Geologist
A. Karvonen	- Engineer in Training
D. Drysdale	- Geologist in Training
N. Hendrikx	- Geology Summer Student

### Contractors 1994

Marcin Holdings Ltd.	- Road and Drillsite Construction, Logging and Reclamation
Elgin Exploration Company Limited	- Rotary and Diamond Drilling
Century Geophysical Corporation	- Geophysical Logging
Loring Laboratories Ltd.	- Core Analysis
GWIL Industries Birtley Coal	- Adit Sample Analysis
Ashtech	- Survey via G.P.S. (Global Positioning Systems)

## 3.0 GEOLOGICAL WORK

### 3.1 Regional Stratigraphy

The stratigraphic succession exposed at Quintette Operating Corporation ranges from Upper Jurassic to Lower Cretaceous in age. It consists of an interfingering of shales and sands both marine and continental in origin. The coal bearing strata has its origin from deltaic near shore environments. The coal seams of economic thickness and quality are found in the Gates Formation. The table of formations for Quintette is outlined in Figure 2 and shows approximate formation thickness and coal zones.

### 3.2 Local Stratigraphy

The Stratigraphic sequence drilled and exposed in Mesa Extension includes the Boulder Creek, Hulcross and Upper, Middle and Lower Gates Formations.

#### Boulder Creek Formation

This formation consists mainly of massive sandstone and conglomerates with thin shale and thin inferior coal seams. The formation is approximately 130 meters thick.

#### Hulcross Formation

The Hulcross formation is conformably overlain by the Boulder Creek Formation. It consists of dark grey marine shales/siltstones interbedded with very fine sandstones. The formation is interpreted to be between 100 and 110m thick.

#### Gates Formation

The Gates Formation contains the economic coal seams of the Mesa Extension area. The formation can be divided into three members: Upper, Middle and Lower. Of the three members, only seams of economic thickness occur in the Middle Gates Member. The total thickness of the Gates Formation ranges from 280 to 300m.

##### i) Upper Gates Member

The upper member of the Gates Formation is defined as the interval between the base of the Hulcross Formation and the top of D Seam. The upper half of this member consists of interbedded sandstones, siltstones, mudstones and three thin coal horizons designated A, B and C seams which are uneconomic. The lower sequence of Upper Gates is characterized by fine grained sandstones and lesser amounts of shale and siltstones. There is a conglomerate present at the base of the Upper Gates and its thickness ranges between 0 and 18m in the area. The Upper Gates Member is approximately 120m thick.

##### ii) Middle Gates Member

The Middle Gates Member is from the top of D seam to the bottom of J seam and is between 60 and 80m thick. The seams considered mineable in Mesa Extension are D (D3 and D4), E (E2 and E3 ), E3 lower, E4, G and J seams.

##### iii) Lower Gates Member

The Lower Gates Member consists of fine to medium sandstones. Poorly Sorted conglomerate and coarse sandstones are sometimes found interbedded in this unit. In the Mesa Extension area a clay layer is a useful marker unit found approximately 40m below J seam. The lower Gates member is roughly 110m thick in the area.

### 3.3 Local Coal Seam Development in Mesa Extension

Seam development in Mesa Extension is similar to what is being currently mined in the adjacent Mesa North pit. The following is a description of each seam or mining section.

#### D3 and D4 Seams

In Mesa North pit, D3 and D4 are separated by a 2 to 3 meter parting and are mined as two separate seams. The D3-D4 parting thins considerably west of section 37500 and consequently makes mining of D3 and D4 as separate seams impractical. The composite ash of D total which is D3, D4 parting (D4P) and D4 shows that it can be recovered as one mining section while giving an acceptable ash level. Because of this acceptable ash level D3/D4 is treated as one mining section throughout the reserve area (sections 37600-39600). Its thickness varies from 3.31m to 3.77m.

#### E Seam

In the eastern part of Mesa Extension, E seam is similar to the section being mined in Mesa North pit, which is the sequence from the top of E, to the bottom of E3 upper. Its thickness varies from 4.87m to 7.73m. In the west area of Mesa Extension E1 seam increases in ash to a point where the entire E section is not mineable and the mining section becomes E2/E3 (top of E2 to the bottom of E3 upper). Composite ash values on E total (E1, E2, E3) versus E2/E3 mining section were evaluated to find the cut-off for E1 and where to begin modelling E2/E3 separately. This cut-off line was found to be at section line 38850 in the Mesa Extension area. E2/E3 was modelled to the west of this line to section 39600 while E total (E1, E2, E3) was modelled to the east of this line to section 37600. West of section line 38850 E2/E3 ranges in thickness from 4.5m to 4.66m.

#### E3 Lower (E3L) Seam

In the Mesa Extension area the lower part of E3 seam has separated from the upper part forming a separate mining section known as E3 lower (E3L). The seams thickness varies from 0.55m to 0.98m.

#### E4 Seam

E4 seam is present throughout the Mesa Extension area but can only be considered mineable up to section 38450. E4 seam was modelled from section 38450 to the east. A thin parting near the bottom of E4 in Mesa North pit gradually develops in to a thick conglomerate. The development of a conglomerate within the seam splits E4 into E4 upper and E4 lower, neither of which is thick enough to be mineable. E4 seam ranges in thickness from 0.41m to 0.97m.

#### G Seam

G seam is found throughout Mesa Extension and is modelled over the entire reserve area. Its thickness varies from 0.83m to 1.31m.

## J Seam

J seam is present throughout Mesa Extension reserve area. In the eastern part of the area J1, J2 and J3 are present, as in the current Mesa North pit. J3 is shaly and higher ash to the east in the Mesa Extension but since its ash is under 30 percent, it is still part of the mining section. To the west J3 disappears leaving J1 and J2 as the mining section. Based on examining core holes and logs of rotary holes the cut-off for mining J total (top of J1 to the bottom of J3) versus J1/J2 (top of J1 to bottom of J2) was determined to be section 37850. From 37850 to the east J total is the mining section and to the west of 37850 J1/J2 is the mining section. J ranges in thickness from 5.11 to 7.77m.

### **3.4 Local Structure**

The main structural feature of Mesa North Extension is the northwest plunging Middle Anticline which extends from the Mesa North area currently being mined. South of this the coal section is folded into a tight syncline whose southern most limb overturns at section 38300. The southern syncline has numerous reverse faults through its limbs and through the core of the syncline. Reverse faulting is common on both limbs of the Middle Anticline. To the north of the Middle Anticline the coal section is folded into a broad syncline/anticline pair that plunges northwest. The syncline north of the Middle Anticline becomes a broad open fold at the Wolverine River Valley (see Sec 39000). This area is known only from mapping and one diamond drill hole (QWD 86001). The anticline may be the extension of the Marmot Anticline which is currently being mined.

### **4.0 MAPPING**

Exploration of the Mesa Extension area began in 1976 and 1977. During this period, regional and detailed mapping in and around the current Mesa pit was initiated. Further mapping was subsequently conducted in 1981 and 1982. Introduction of the 1988 drill program allowed supplementary mapping to be performed along the 4.5 kilometres of drill access roads built that summer. Mapping continued along the 4.7 kilometres of road built in 1989, and the 4.4 kilometres built during the 1994 drill program. A detailed map, located in Appendix D, shows all roads built during 1988, 1989 and 1994. This map also details all recorded mapping in the area.

### **5.0 DRILLING AND DRILLING RECORDS**

Drilling in the Mesa Extension area was initiated in 1988 to provide additional structural, stratigraphic and quality data. To date, 102 rotary holes totalling 7675m, and 11 diamond holes, totalling 1307m, have been drilled in Mesa Extension.

During the 1988 exploration program, 1 diamond hole was cored to 234m, and 11 rotary holes, totalling 1147m, were drilled in the Mesa Extension. In 1989, 32 rotary holes with a combined depth of 2964m, and 3 diamond holes totalling 579m, were drilled. No further drilling was conducted directly in the Mesa Extension until 1994, when 59 rotary holes totalling 7675m, and 7 diamond holes to a total depth of 494m were completed. The 1994 drill program has more than doubled the database, greatly improving geological confidence in the Mesa Extension reserve area.

## Rotary Drilling

Mesa Extension was drilled by Elgin Exploration Ltd. Elgin did both rotary and diamond holes. A terramec 1000 drill was used for both vertical and angle rotary holes. The drillers' logs of the holes are on record with each hole file at the Eagles Nest Office. These reports record coal intersections, water levels, fractures and estimated ground water flow rates in each hole.

Appendix A1 represents all rotary and diamond drilling throughout the reserve area to the end of the 1994 exploration season and provides hole number, mine grid co-ordinates, collar elevation and total depth. Appendix A2 and A3 provide details on the coal seam intersections and the downhole survey of all rotary and diamond holes respectively. A map showing the collar location of all holes drilled in the Mesa Extension is located in Appendix D.

Appendix B1 and Appendix B2 provide stratigraphic information for all diamond holes drilled in the Mesa Extension in the 1988-1989, and in the 1994 exploration programs respectively. The stratigraphic columns for these holes provide information on stratigraphy, core recovery and sampling intervals. A summarized table of component and composite sample intervals is located in Appendix B3.

## **6.0 ADITS**

In 1994, two adits were driven in the Mesa Extension region. From these adits, bulk samples were obtained from both the E seam and the J seam. The bulk samples from these major seams were sent to Gwil Industries (Birtley) in Calgary, Alberta, where pilot scale washability testing, in addition to clean and raw analysis, was completed. The results of these tests are detailed in Appendix C2 and C3 for the E seam and the J seam adits respectively.

The table in Appendix C1 summarizes both adits, providing information on location, elevation and total length of both drifts. Appendix C2 and C3 provide seam stratigraphy and detailed plan and sectional maps of both the E seam and the J seam adits respectively. Tabulated values of raw FSI, clean FSI, yield and clean ash, as sampled during the driveage, are presented. In addition, a graphical representative of FSI for the face, roof and back, versus depth has also been provided for each adit drift.

## **7.0 QUALITY AND COAL ANALYSES**

Mesa Extension coal is self coking and medium volatile bituminous in rank. Quality data is based on a detailed analysis of coal cored from selected drill holes and from bulk adit samples. The coal has undergone extensive analysis including proximate, ultimate, chemical, rheological, washability and petrographic.

Quality analysis has been completed on coal samples from core drilling. Both component and composite sampling intervals are tabulated in Appendix B1 and are graphically represented on the stratigraphic columns located in Appendix B2 and B3. The results of the quality testing for all samples taken in the 1988 and 1989 exploration programs are located in Appendix B2. Quality data for the 1994 sample intervals are located in Appendix B3.



Bulk channel samples were taken from both the J seam and the E seam adits. These samples were sent to Gwil Industries, Calgary, Alberta, where pilot scale washability testing, in addition to clean and raw analysis, was completed. The results of these tests are detailed in Appendix C2 and C3 for the E seam and the J seam adits respectively.

## 8.0 RECLAMATION

Reclamation of all disturbances prior to 1994 has been completed. All roads have been cross ditched as required for erosion control as well as seeded, except for some main access roads which were not seeded because they were to be used in upcoming programs.

Reclamation of 1994 exploration disturbances is not completed. All roads have been cross ditched as required for erosion control and both adit locations have been sloped. Due to inhibiting weather conditions, seeding of roads used in the 1994 exploration program has not been completed. Seeding is scheduled for the spring of 1995.

## 9.0 TECHNICAL SURVEY

The Mesa Extension survey was carried out by bringing down existing pit control into the area using an Ashtech G.P.S. survey system with confirmed accuracies to other known control to  $\pm$  3 cm. G.P.S. control was established at certain key points to layout drill holes and roadways. After the drilling of both rotary and diamond holes was complete the G.P.S. system was used to pick up the collar locations of all the drill holes. Mapping locations of the exposed coal and rock from road building was established by traversing with compass and hip chain from known G.P.S. control points spaced strategically throughout the area. G.P.S. control points were spaced approximately 100m to 150m apart to maintain accuracy for traverses when mapping in exploration roads, geologic control points and drill holes.

## 10.0 ESTIMATES OF RESERVES AND RESOURCES

Quintette Operating Corporations Engineering Planning Group is in the process of making reserve estimates on Mesa Extension. Reserve estimates will be based on the updated Geology found in this report obtained from 1994 drilling. The updated cross sections of Mesa Extension were corrected for proper seam thickness from data obtained from diamond drill holes drilled in previous exploration years and in 1994.

## 11.0 COSTS INCURRED

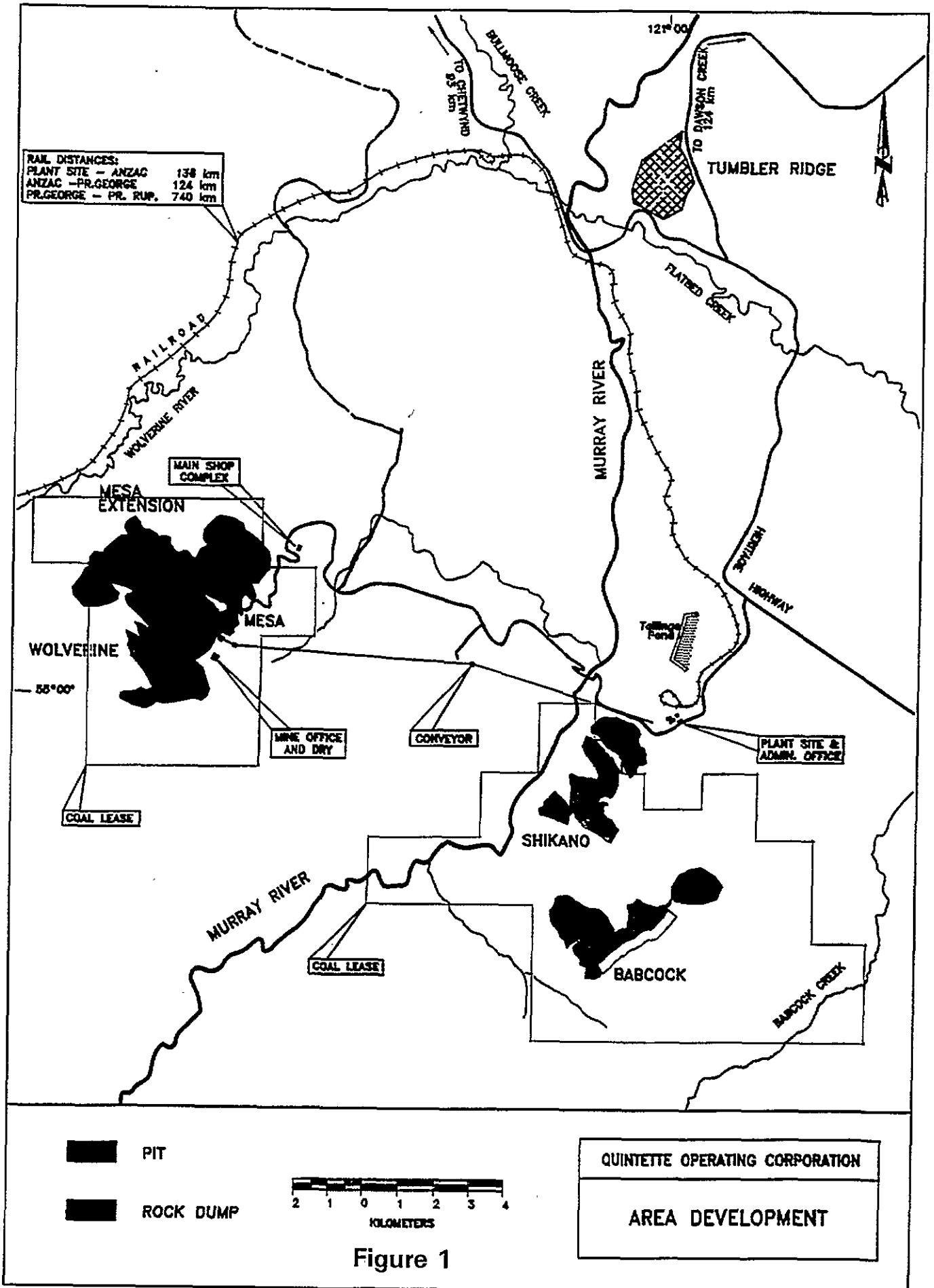
1994 exploration costs for Mesa North Extension break down as follows:

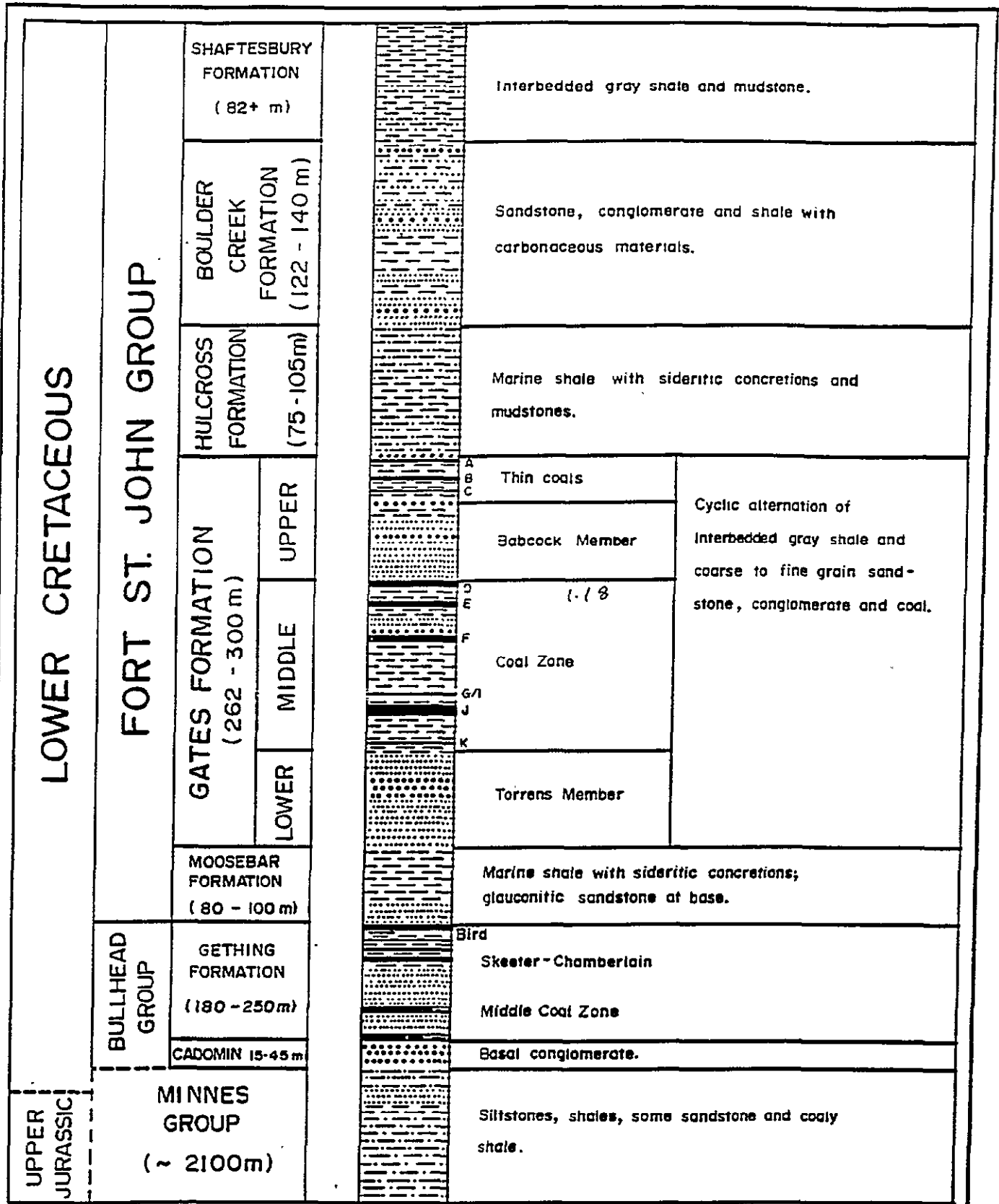
Contract Logging (Marcin Holdings) (falling right of way for roads, road construction, timber salvage)	= \$308,697.00
Drilling (Elgin Exploration Company Limited)	= 415,289.14
Geophysical Logging (Century Geophysical)	= 51,753.76
2 Adits (Kamloops Augering)	= <u>272,018.74</u>
Total	\$1,047,758.64

## 12.0 SUMMARY AND CONCLUSION

The 1994 drill program was successful in gaining valuable drill hole information to further delineate the coal structure in Mesa Extension. The previous belief that the southwestern part of the area is extremely complicated has been confirmed with the new interpretation indicating an overturned and structurally thinned limb of the syncline along with deeper than anticipated overburden depths. 1994 drilling has increased the confidence in the reserve estimates for the area. From a quality perspective the diamond drilling and adit sampling has confirmed the high quality of coking coal in Mesa Extension. Further work is required in Mesa Extension to:

1. Gain further structural knowledge of the overturned syncline by drilling the synclines core to increase confidence in reserve estimates of Mesa Extension.
2. Gain further data through drill holes and mapping of exposed mud contacts and rock units for estimating overburden depths in the southern part of Mesa Extension. This is critical for south wall design and estimating mud volumes that must be excavated and dumped in special areas so as not to destabilize road foundations.
3. Gain further structural knowledge of the northern part of Mesa Extension. By rotary drilling this area a better knowledge of geological dips of the rock units will be obtained and will aid in the designing of the north wall.





**QUINETTE OPERATING CORPORATION  
GENERAL STRATIGRAPHIC SECTION**

(Updated May, 1995)

**Figure 2**

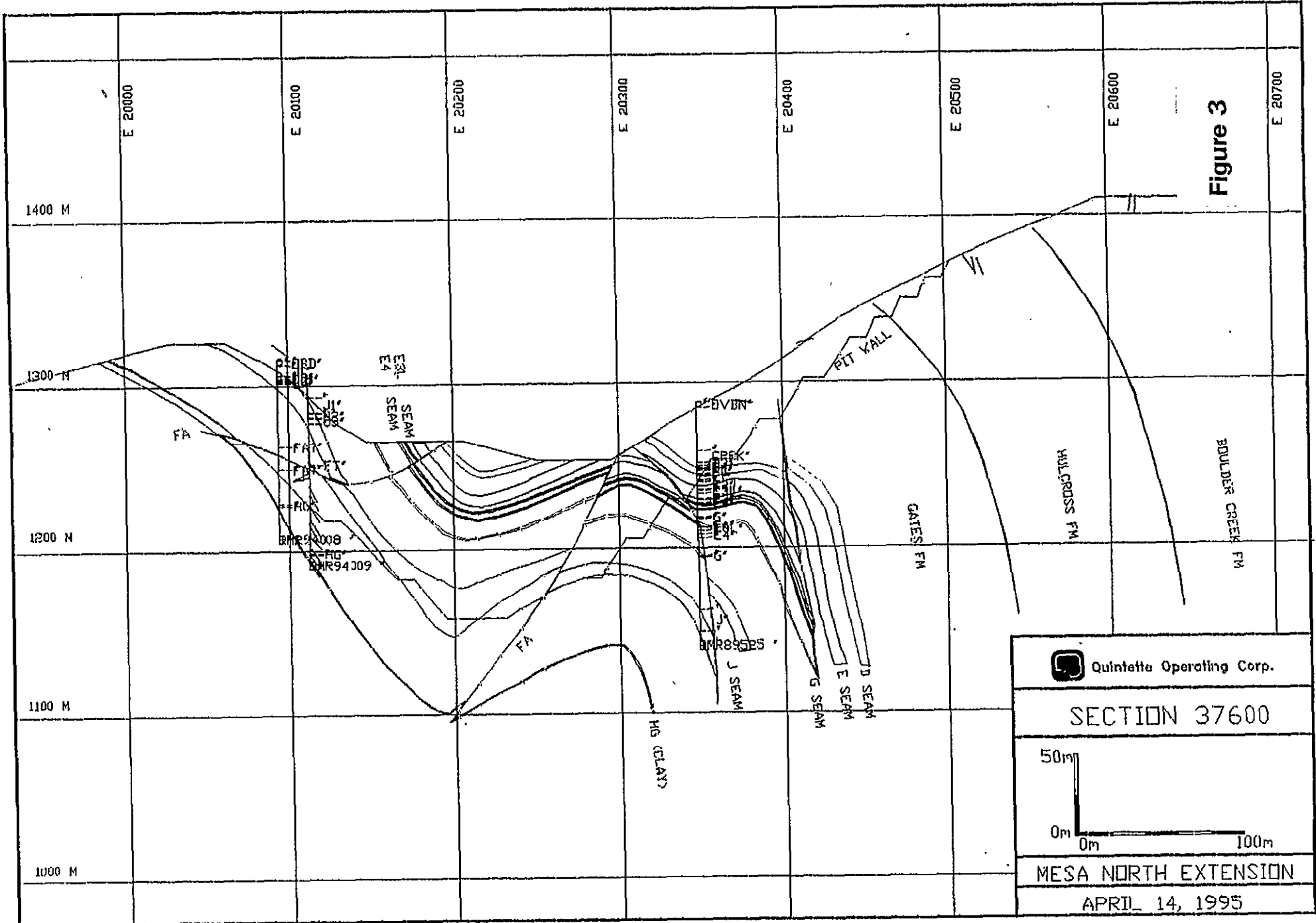
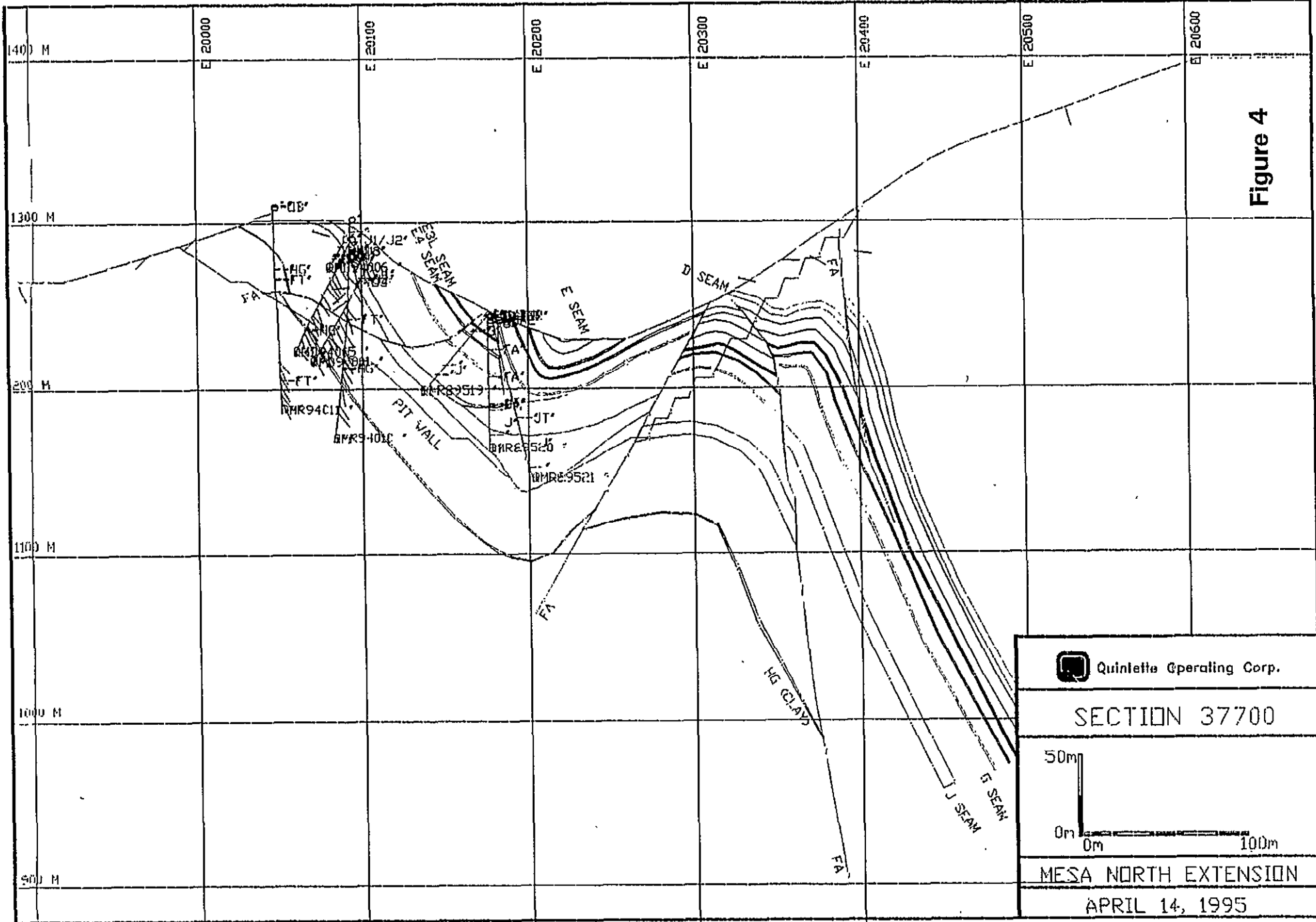


Figure 3



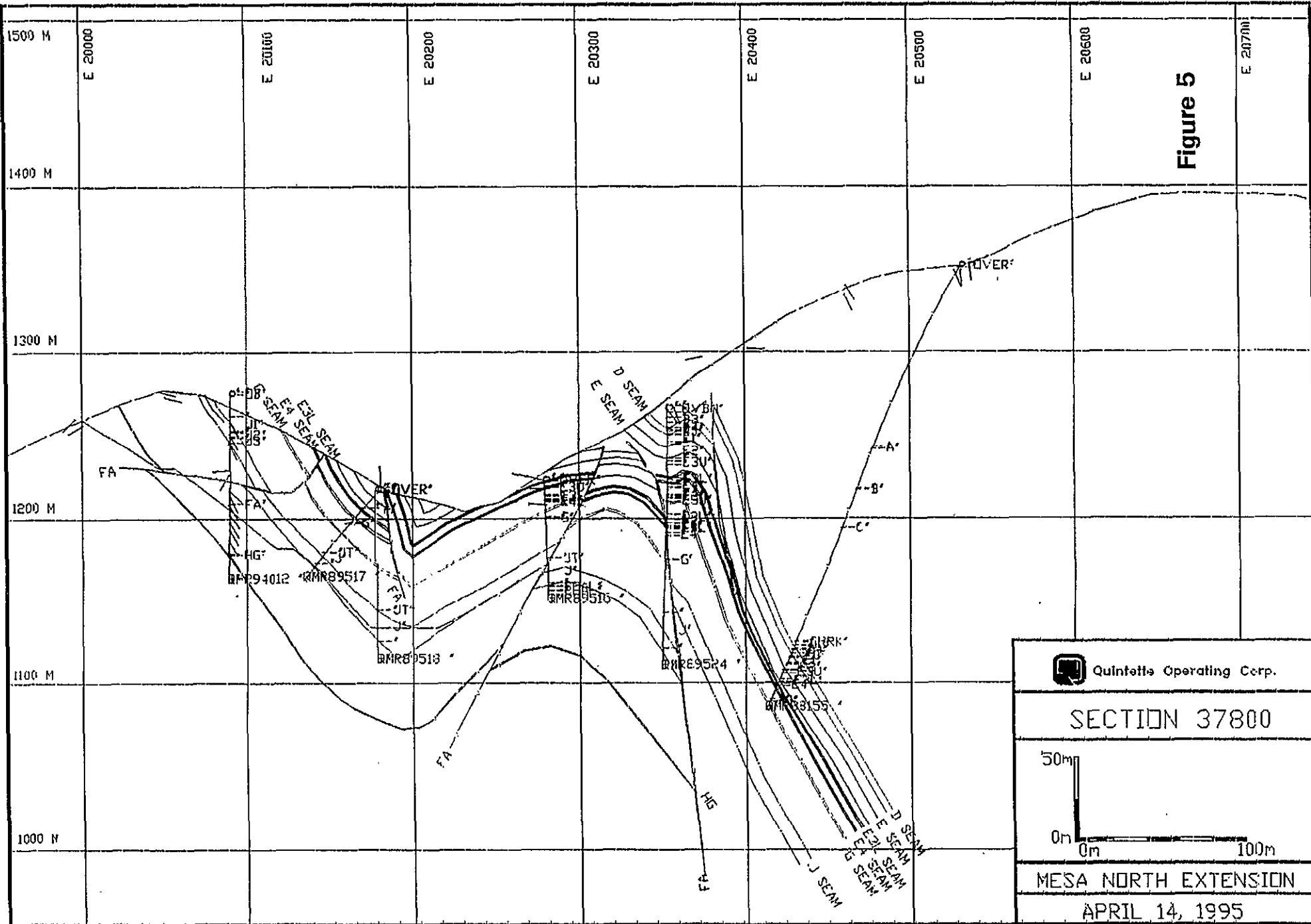
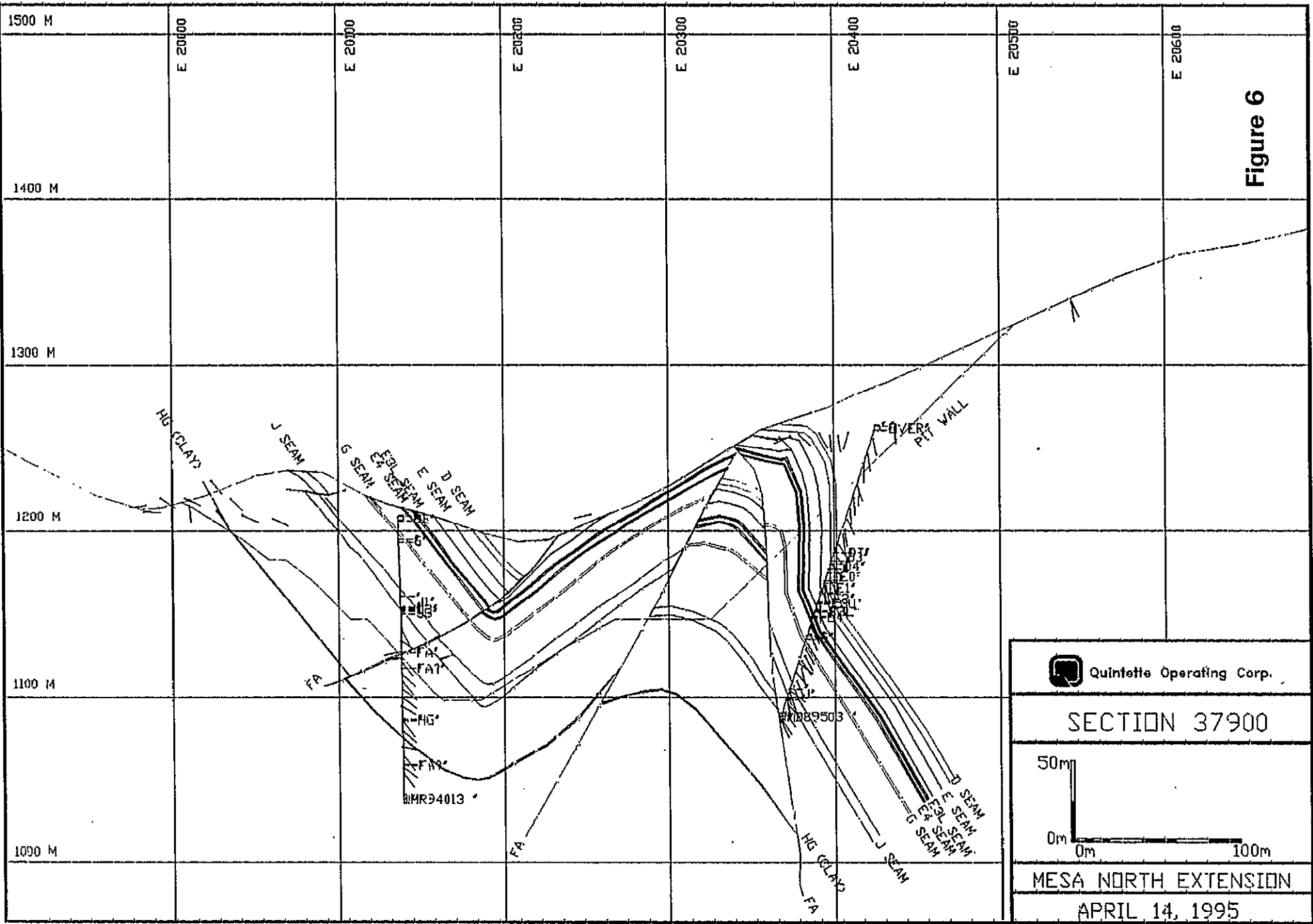


Figure 6





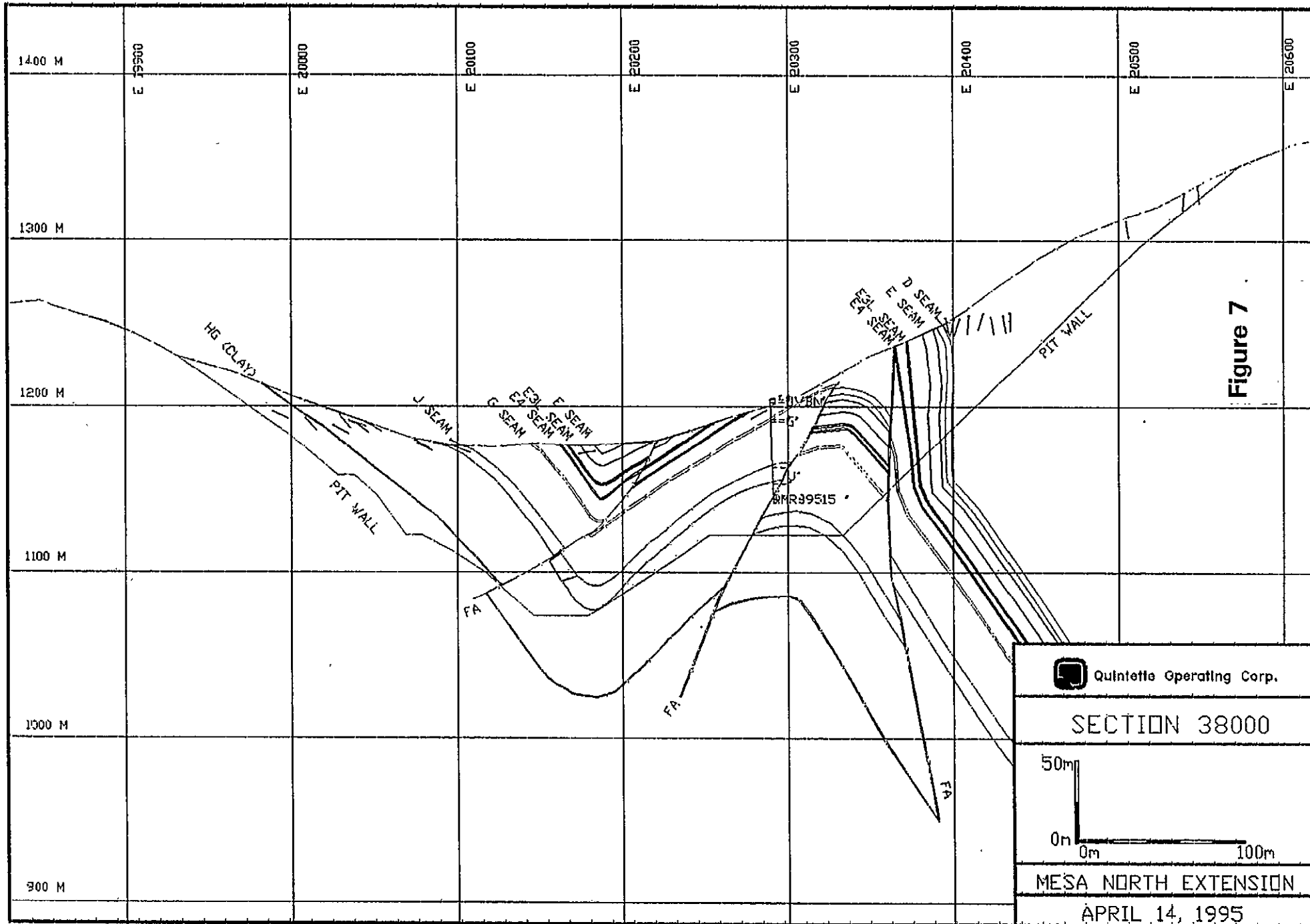


Figure 7

Quintette Operating Corp.

SECTION 38000



MESA NORTH EXTENSION

APRIL 14, 1995

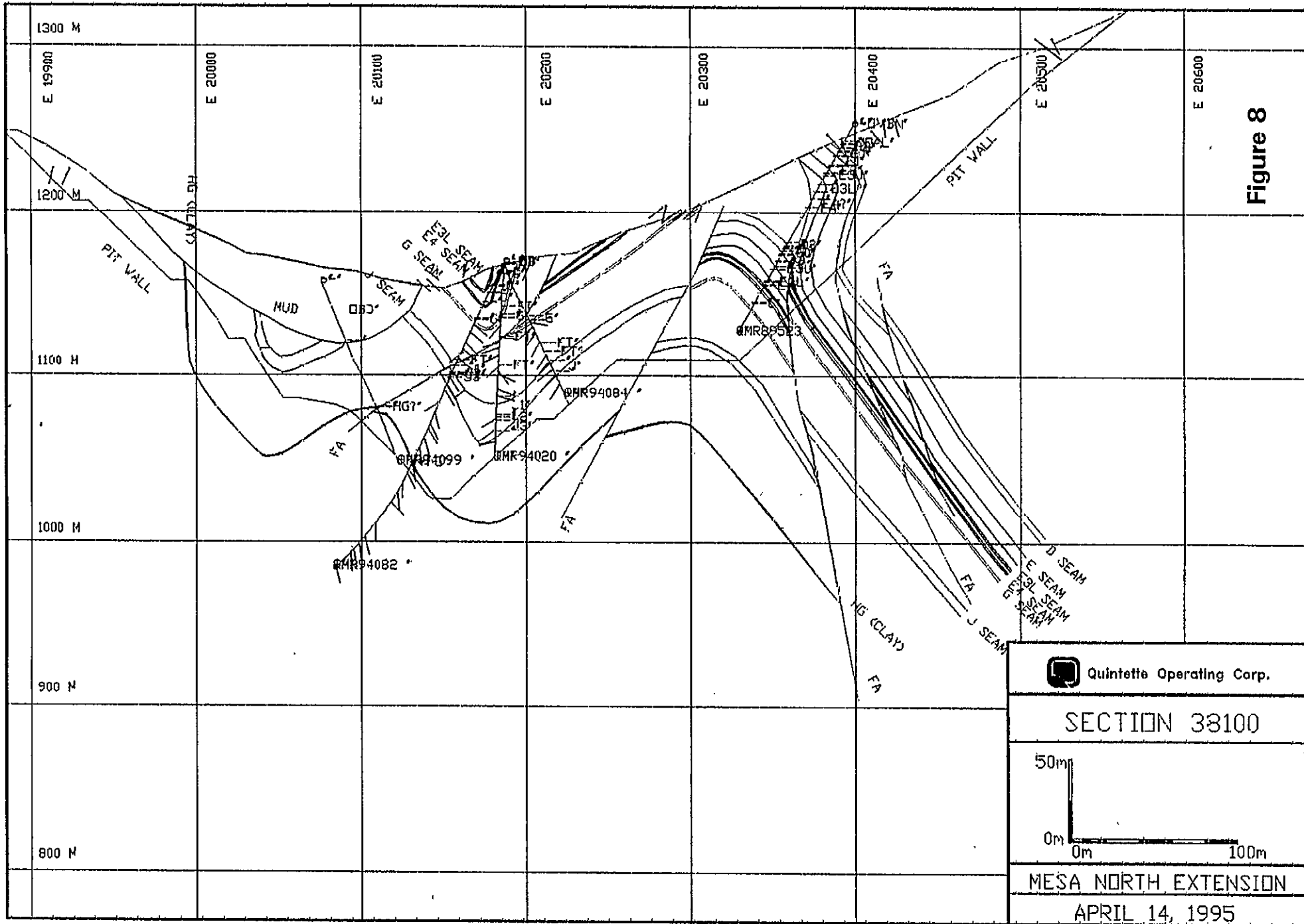


Figure 8

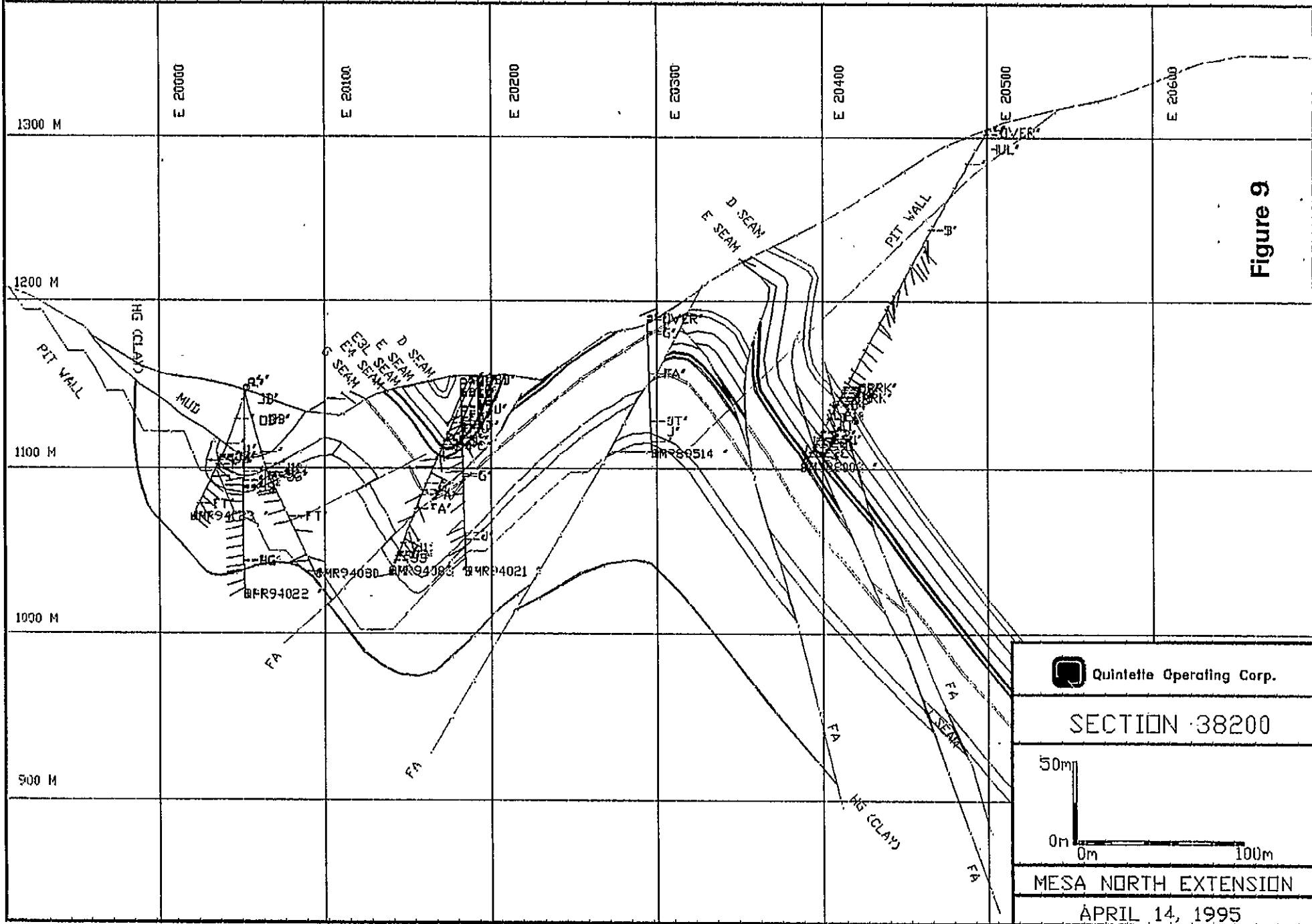
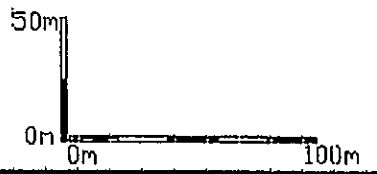


Figure 9



Quintette Operating Corp.

SECTION 38200



MESA NORTH EXTENSION

APRIL 14, 1995







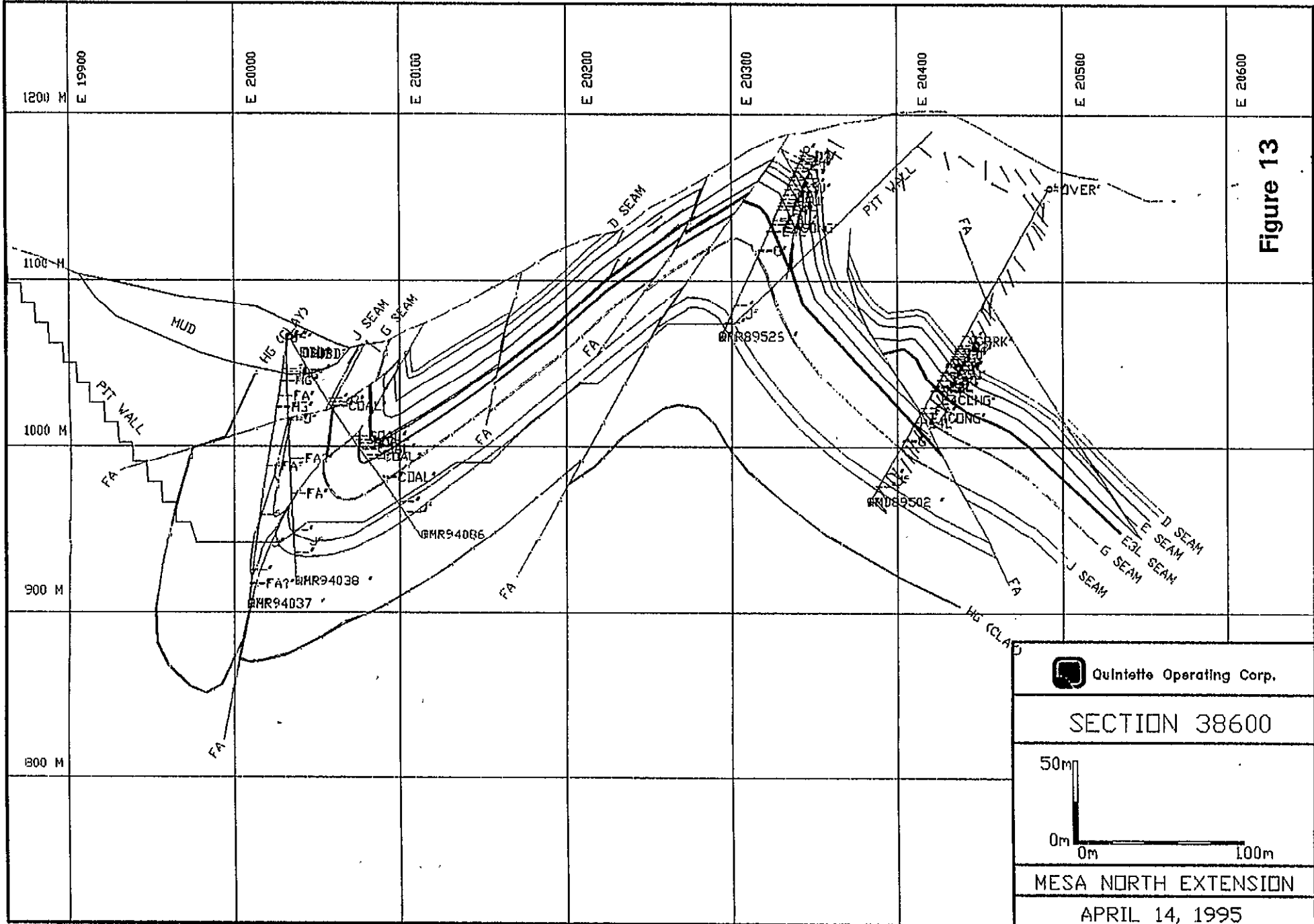




Figure 13

 Quintette Operating Corp.	
SECTION 38600	
	
MESA NORTH EXTENSION	
APRIL 14, 1995	

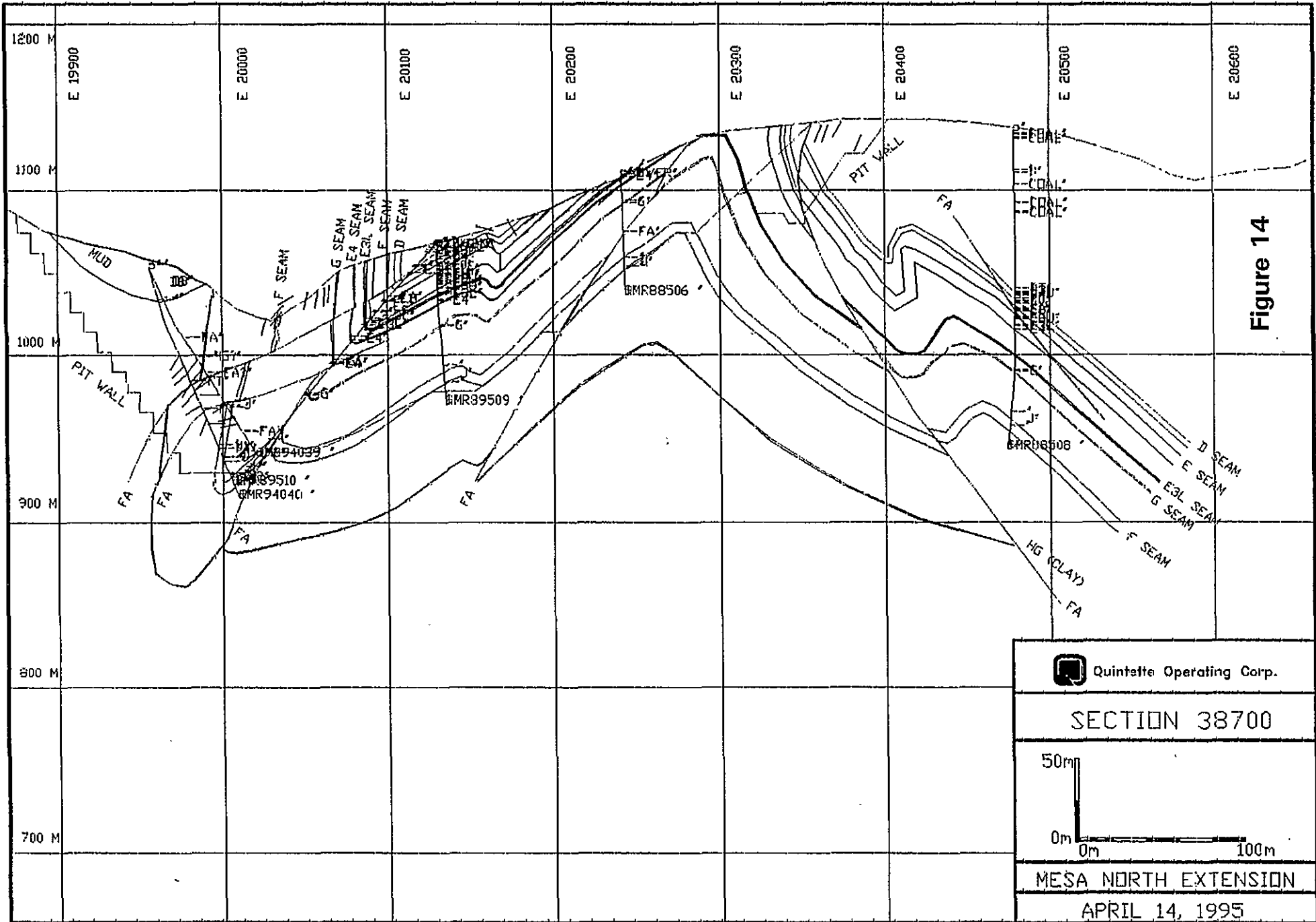
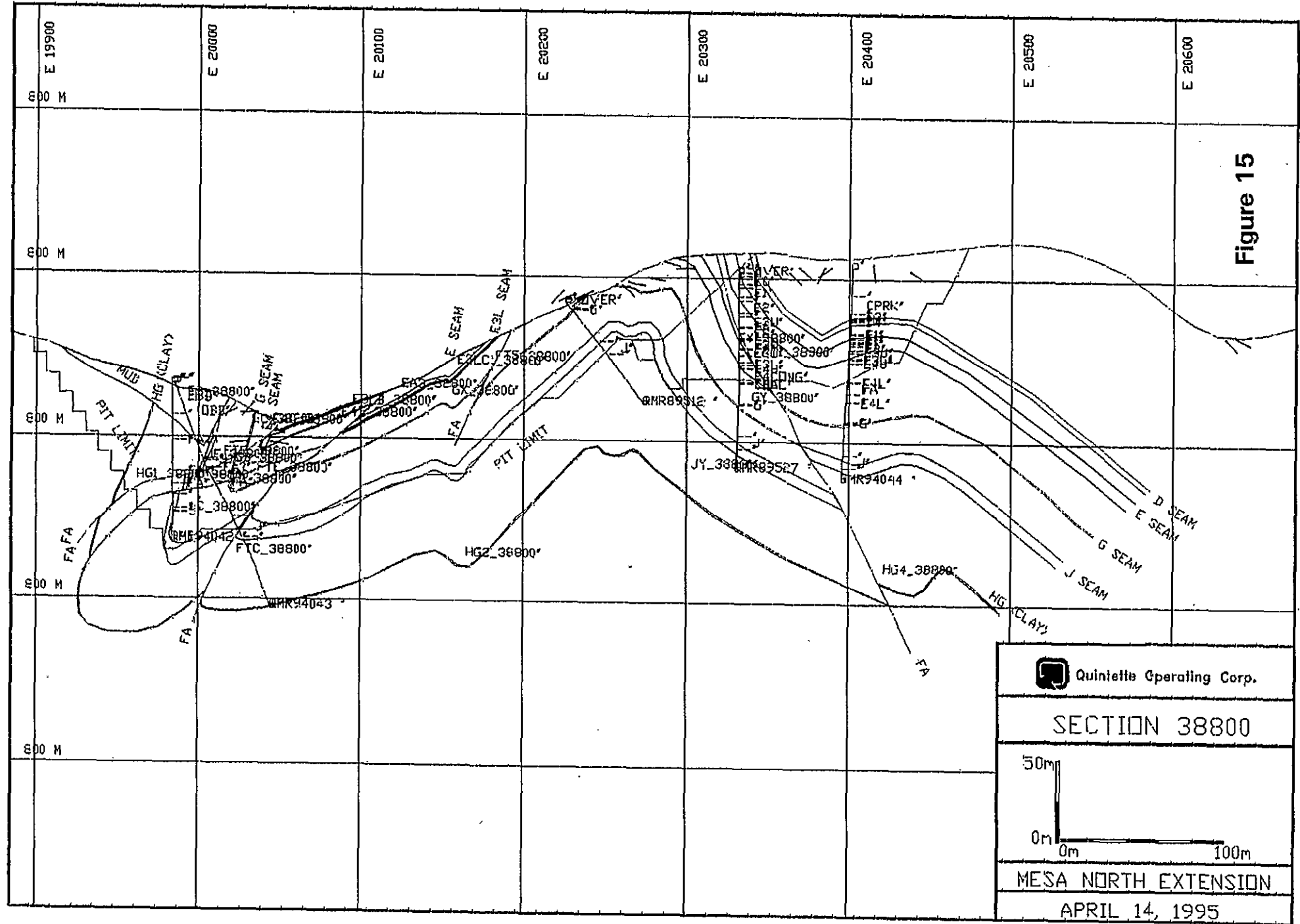


Figure 14



Figure 15



Quintette Operating Corp.

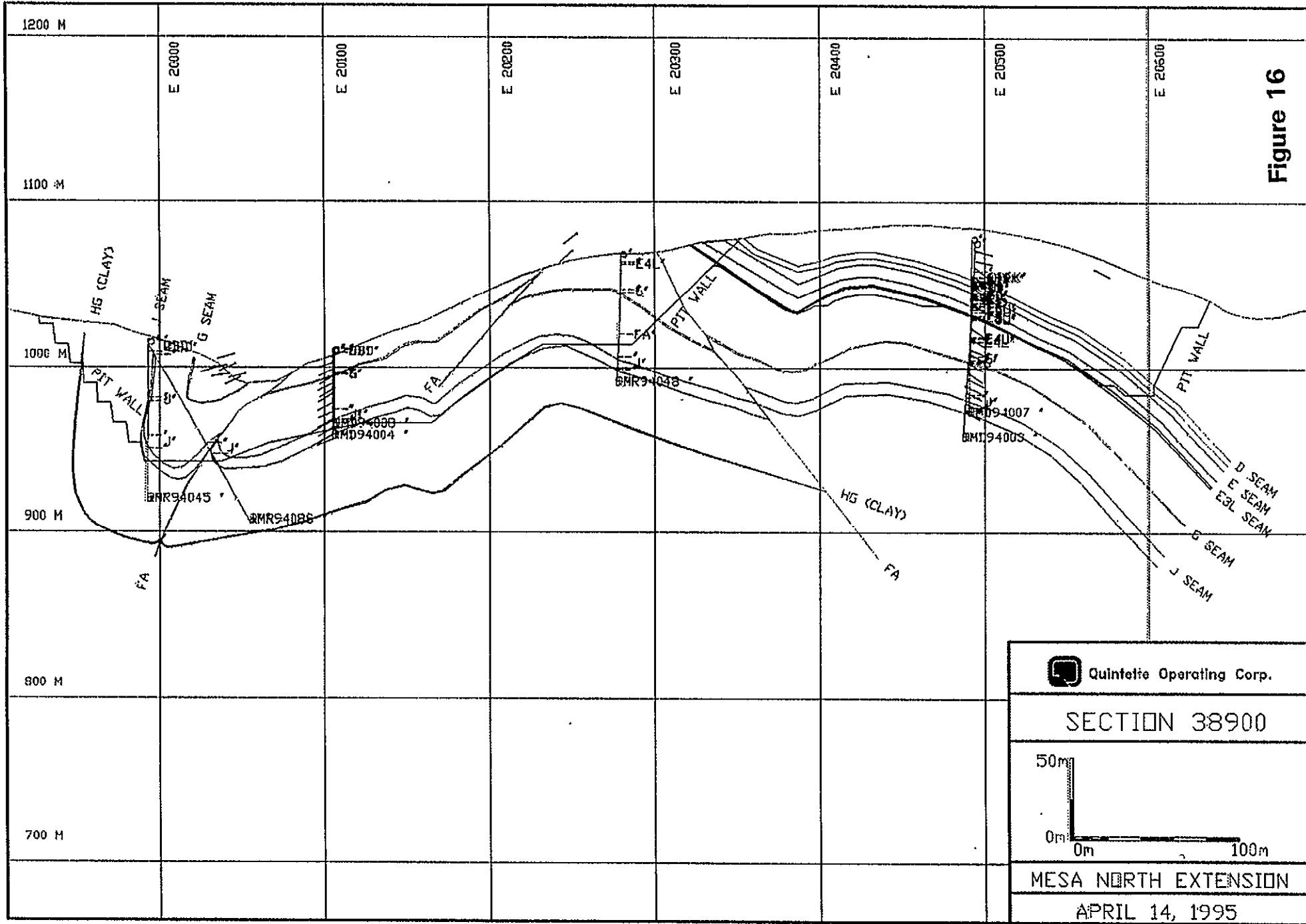
SECTION 38800

50m  
0m 100m

MESA NORTH EXTENSION

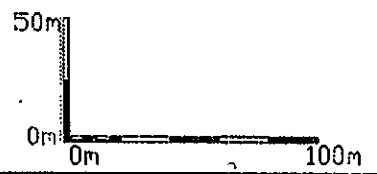
APRIL 14, 1995

Figure 16



Quintette Operating Corp.

SECTION 38900



MESA NORTH EXTENSION

APRIL 14, 1995

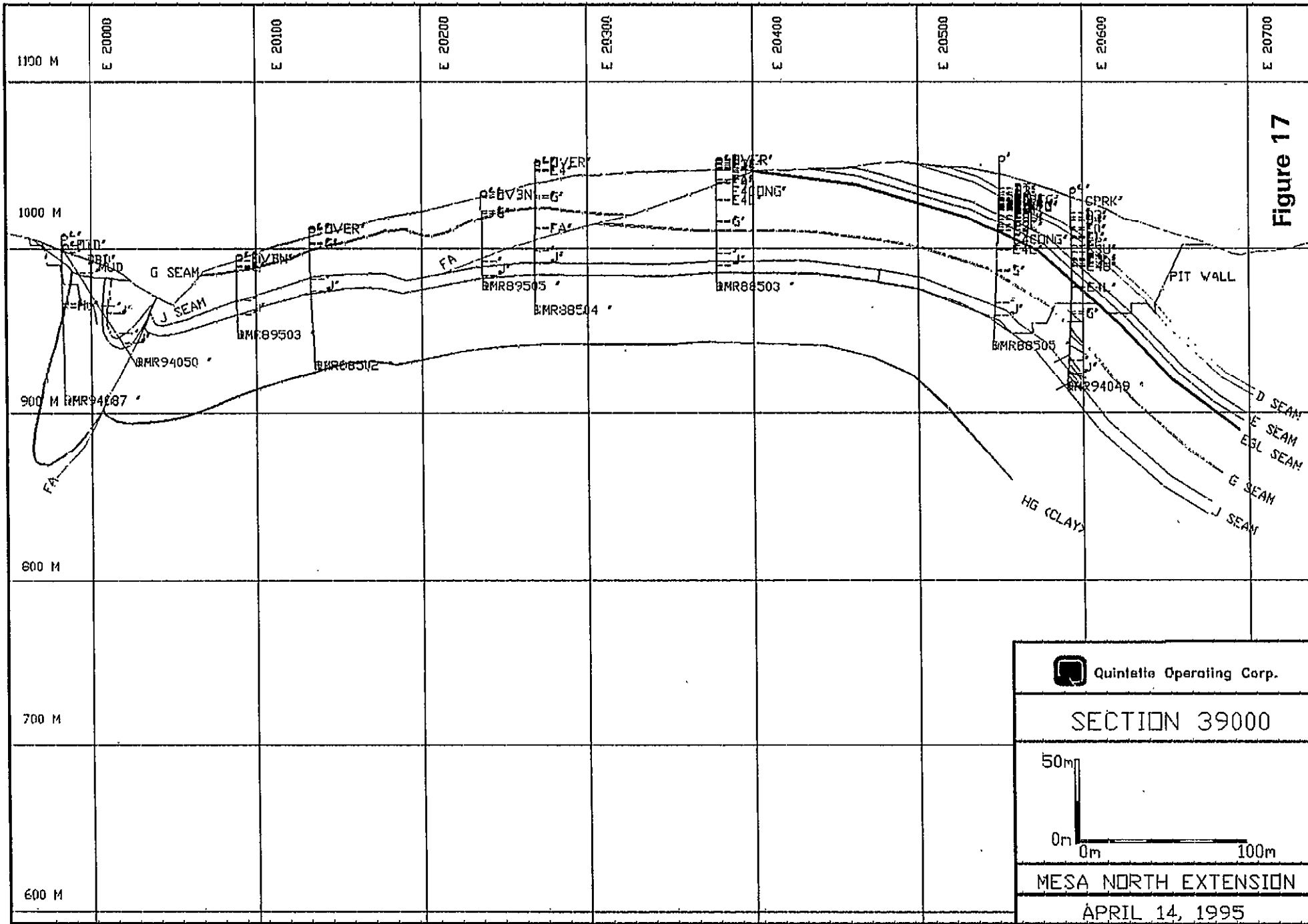


Figure 17


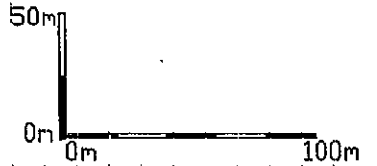
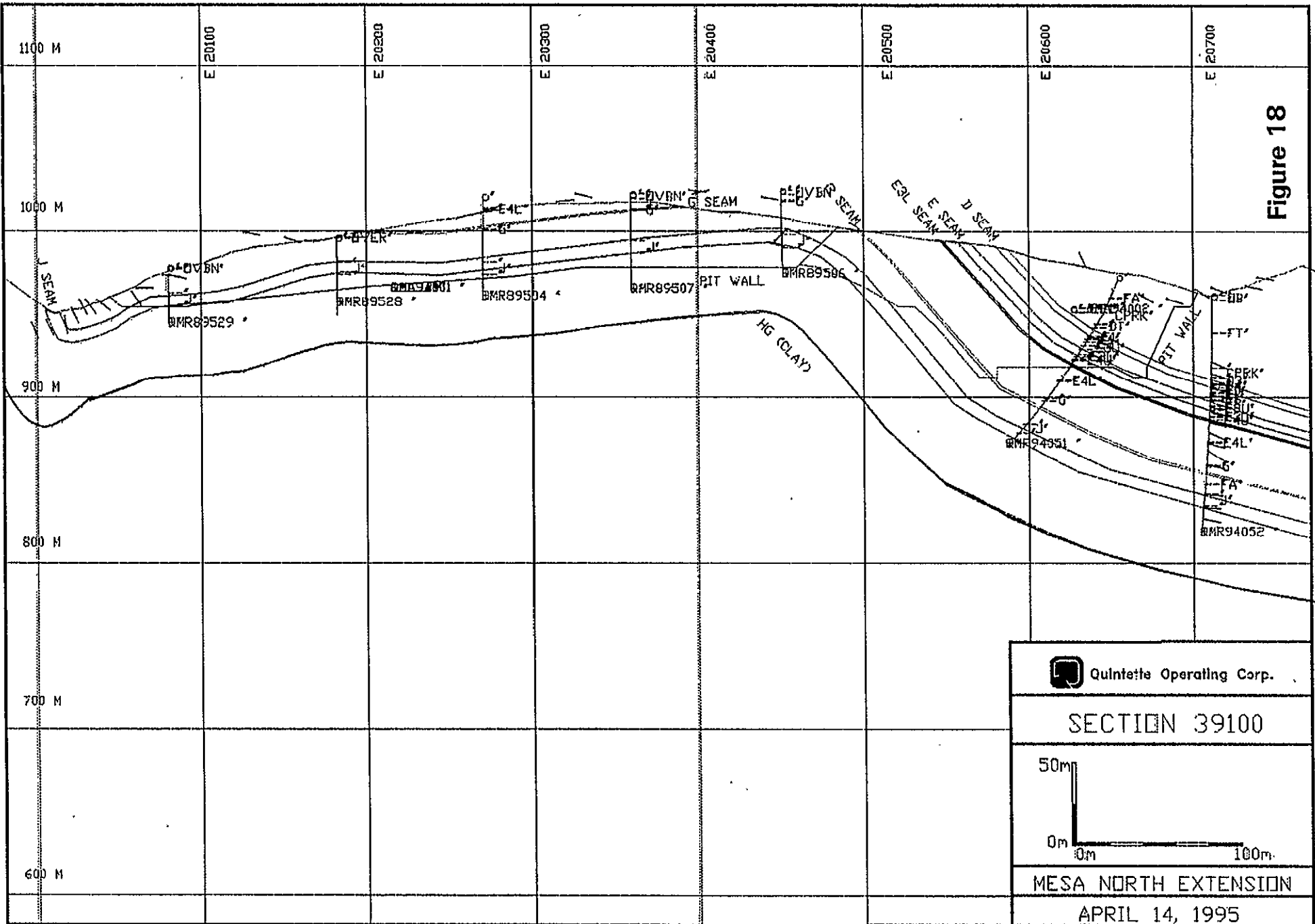
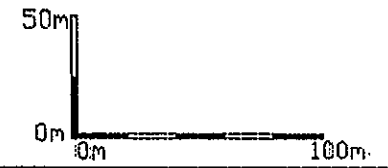
 Quintette Operating Corp.
SECTION 39000

MESA NORTH EXTENSION
APRIL 14, 1995

Figure 18



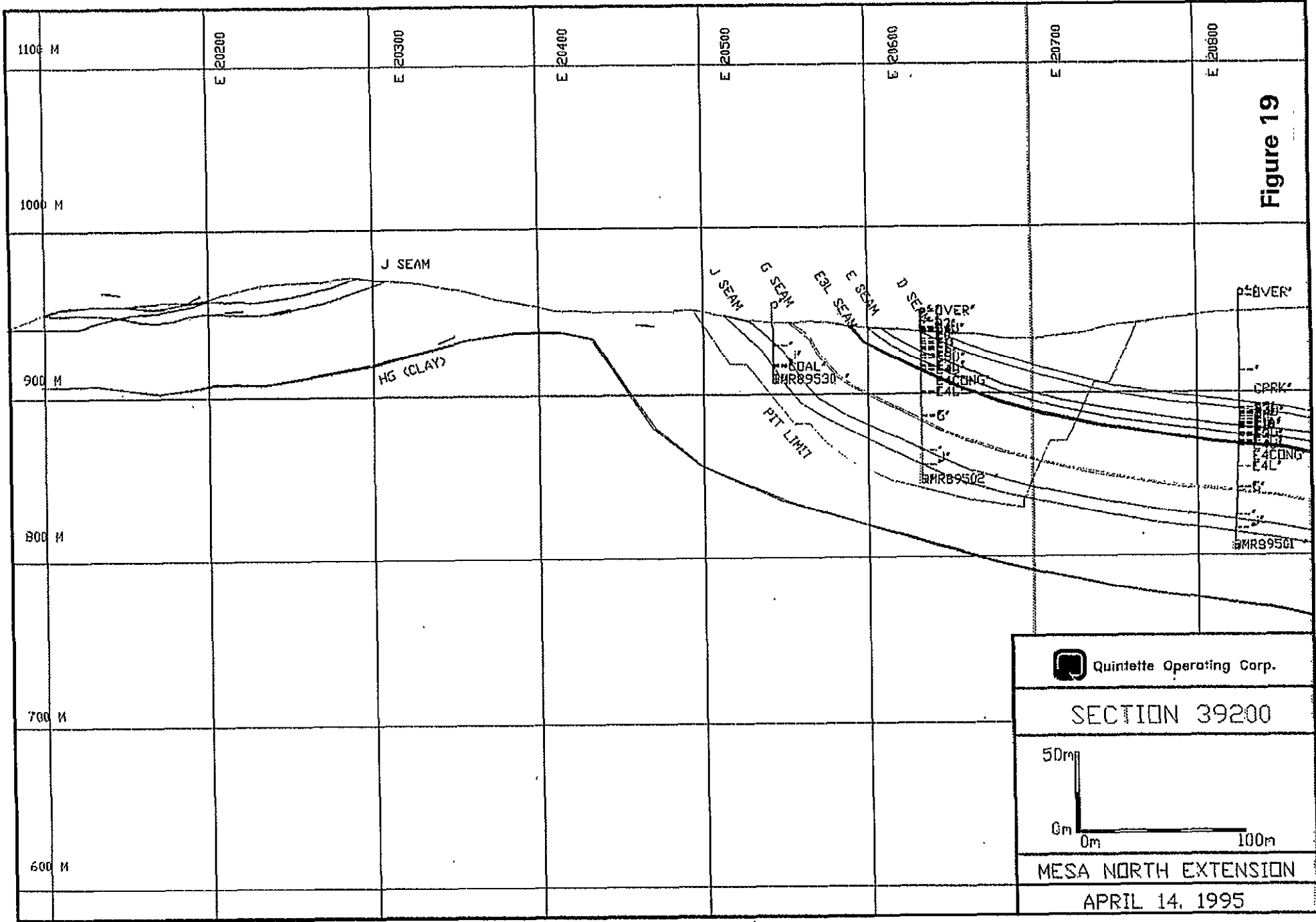
Quintette Operating Corp.

SECTION 39100



MESA NORTH EXTENSION  
APRIL 14, 1995

Figure 19



Quintette Operating Corp.

SECTION 39200



MESA NORTH EXTENSION  
APRIL 14, 1995

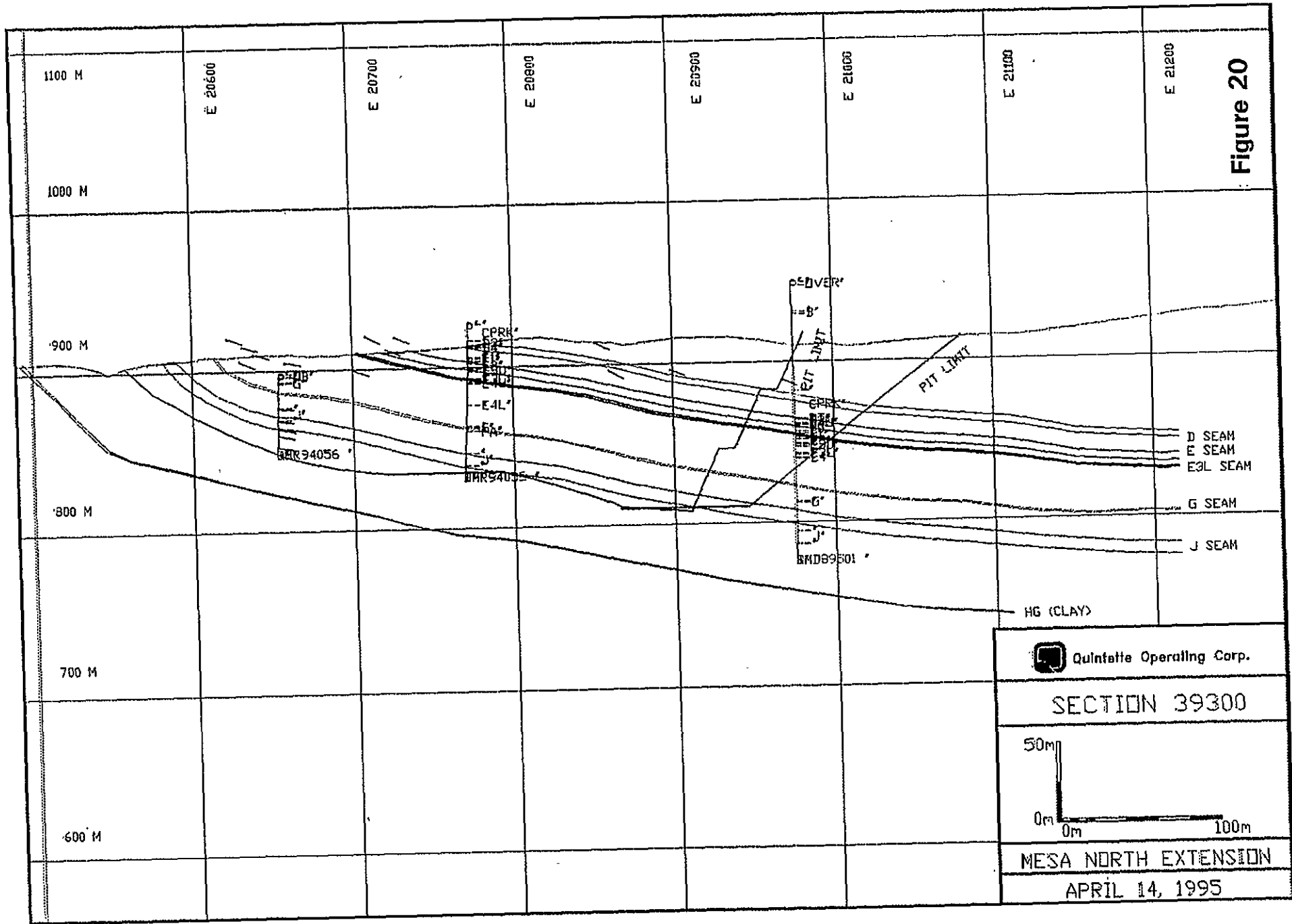
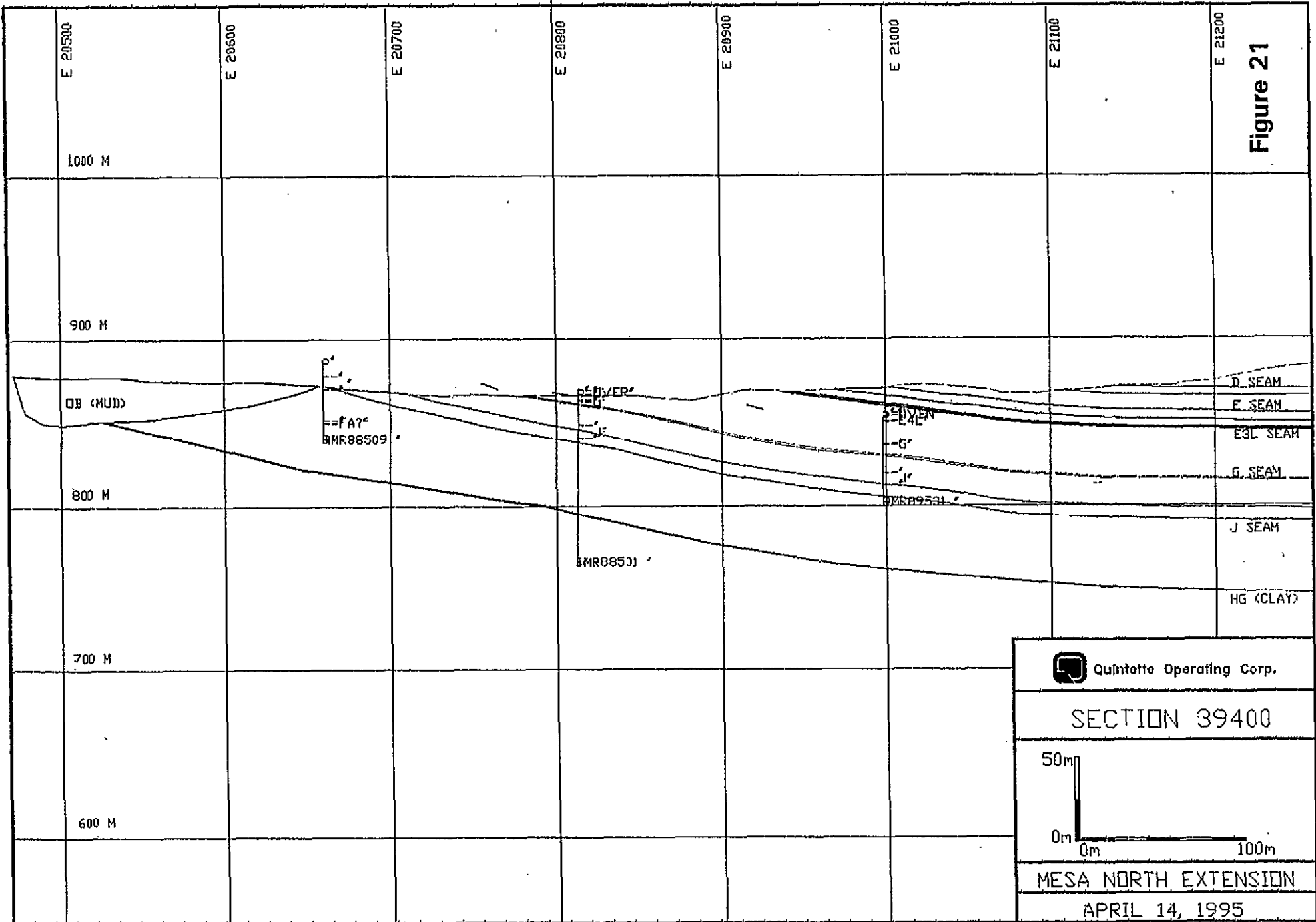


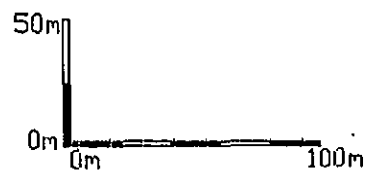
Figure 20

Figure 21



Quintette Operating Corp.

SECTION 39400



MESA NORTH EXTENSION

APRIL 14, 1995

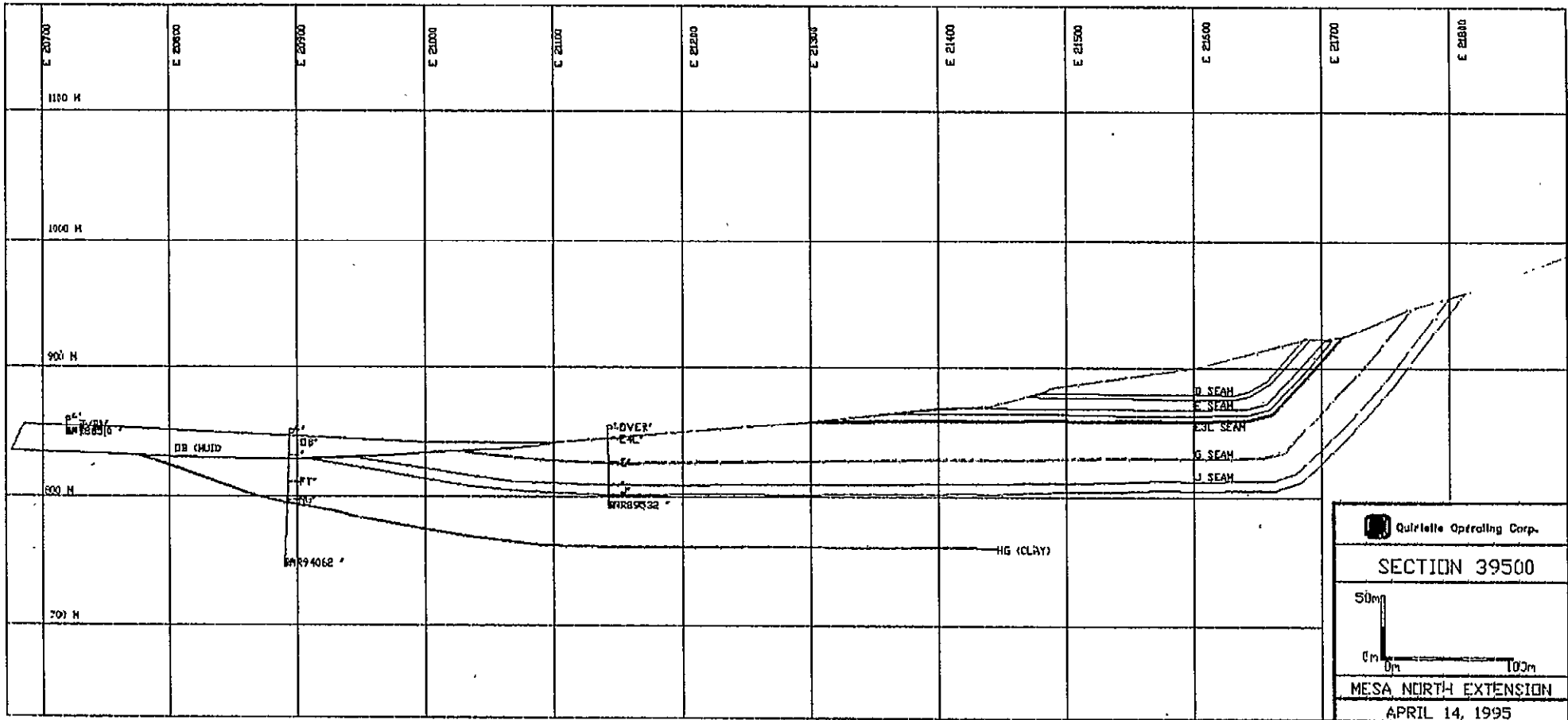
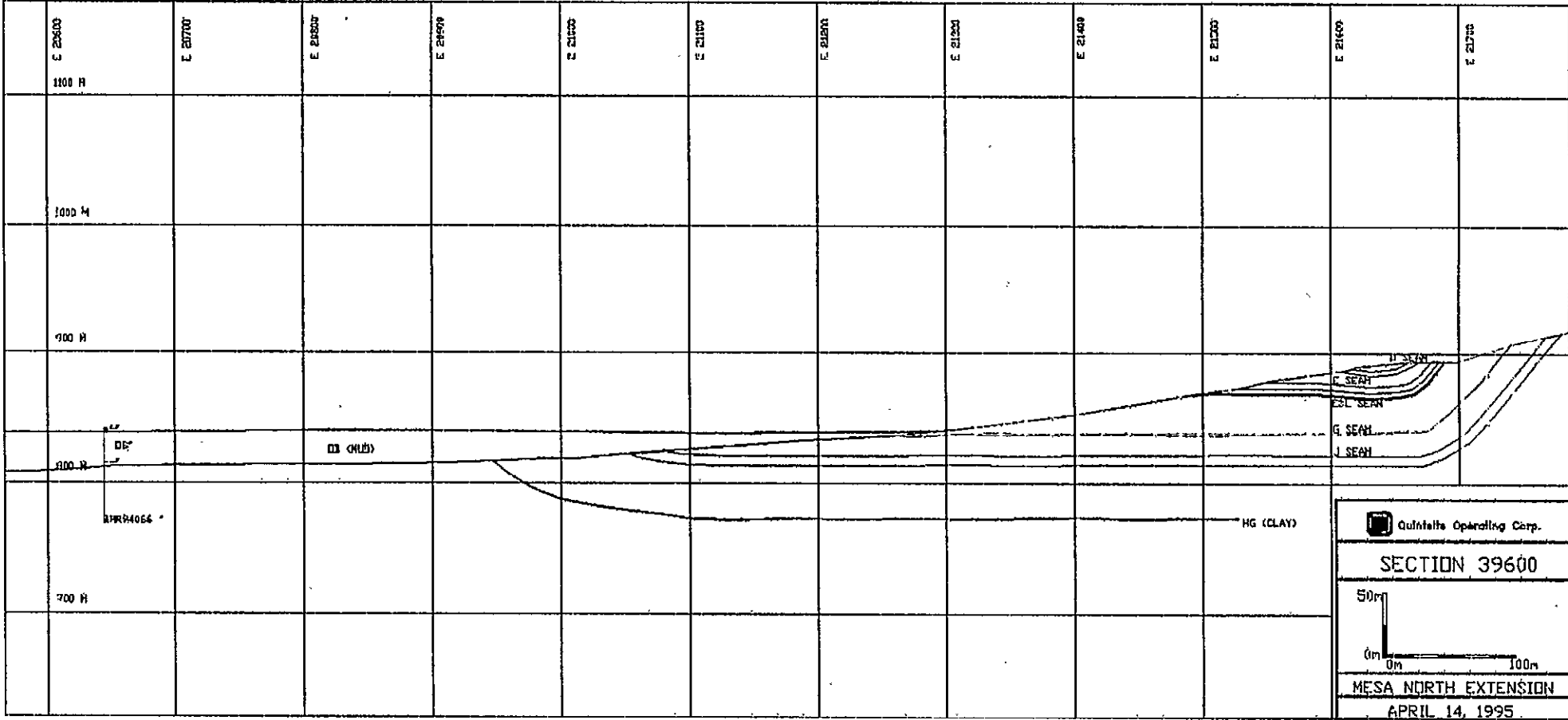


Figure 22



Figure 23



LYNX GEOSYSTEMS INC.  
 PROJECT: MESA93  
 SUBSET: #0

Tue Jan 17 09:24:52 1995  
 USER: szalkai  
 RAW DRILLHOLE DATA

DRILLHOLE INDEX REPORT

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
0001	QMR94002	37400.89	20208.72	1354.51	157.00			
0002	QMR94003	37401.48	20212.59	1354.38	163.00			
0003	QMR94004	37398.39	20217.07	1356.90	120.00			
0004	QMR94005	37451.79	20239.30	1327.84	190.00			
0005	QMR94006	37456.19	20235.78	1327.42	151.00			
0006	QMR94007	37497.32	20081.70	1327.43	133.00			75
0007	QMR94008	37602.15	20093.38	1313.02	108.50			76
0008	QMR94009	37597.35	20111.55	1301.47	113.00			76
0009	QMR94010	37691.08	20092.97	1300.82	133.00			77
0010	QMR94011	37674.29	20046.61	1308.54	123.00			77
0011	QMR94012	37790.15	20089.68	1273.36	111.50			78
0012	QMR94013	37922.80	20136.32	1206.27	170.00			79
0013	QMR94020	38093.55	20186.70	1168.96	120.00			81
0014	QMR94021	38193.36	20182.05	1150.19	115.00			82
0015	QMR94022	38204.66	20051.54	1146.30	125.00			82
0016	QMR94023	38177.71	20054.64	1150.04	90.00			82
0017	QMR94025	38296.91	20063.75	1130.58	105.00			83
0018	QMR94026	38293.96	20062.14	1131.81	137.50			83
0019	QMR94028	38314.24	20006.29	1140.02	108.00			83
0020	QMR94029	38391.65	20032.07	1124.21	135.00			
0021	QMR94030	38391.65	20032.07	1124.21	141.00			
0022	QMR94033	38492.36	20044.96	1095.85	127.00			
0023	QMR94037	38594.61	20032.30	1063.90	163.00			
0024	QMR94038	38597.85	20031.66	1064.29	148.00			
0025	QMR94039	38700.39	19955.98	1052.88	132.00			87
0026	QMR94040	38700.39	19955.98	1052.88	149.00			87
0027	QMR94042	38812.21	19983.95	1032.73	97.62			
0028	QMR94043	38809.36	19985.32	1032.73	151.00			
0029	QMR94044	38792.43	20401.82	1106.95	131.20			
0030	QMR94045	38906.31	19993.20	1013.84	96.00			
0031	QMR94048	38909.43	20279.45	1066.91	78.00			
0032	QMR94049	38991.43	20591.86	1033.18	120.50			90
0033	QMR94050	38995.86	19982.74	999.29	84.00			
0034	QMR94051	39097.90	20654.02	969.85	120.50			
0035	QMR94052	39104.01	20711.43	958.57	142.00			91
0036	QMR94055	39283.92	20772.45	924.43	96.00			
0037	QMR94056	39327.32	20653.72	895.09	50.00			93
0038	QMR94062	39503.47	20893.96	848.01	102.00			95
0039	QMR94066	39596.36	20643.81	838.02	69.00			96
0040	QMR94080	38204.66	20051.54	1146.30	121.30			82
0041	QMR94081	38293.96	20062.14	1131.81	167.00			
0042	QMR94082	38093.55	20186.70	1168.96	216.00			81
0043	QMR94083	38189.23	20188.70	1152.14	127.00			
0044	QMR94084	38093.55	20188.70	1168.96	90.00			81
0045	QMR94085	38484.25	20049.93	1096.35	175.00			85
0046	QMR94086	38597.11	20034.89	1062.60	142.00			
0047	QMR94087	38985.50	19981.97	1005.00	100.00			
0048	QMR94088	38906.31	19993.20	1013.84	125.00			
0049	QMR94089	38488.58	20043.15	1096.25	111.00			

0050	QMR94090	37991.28	19711.65	1232.73	160.00			
0051	QMR94091	37991.28	19711.65	1232.73	157.00			
0052	QMR94092	38087.98	19741.39	1223.76	123.00			
0053	QMR94093	38087.98	19741.39	1223.76	185.00			
0054	QMR94094	38148.96	19771.75	1223.15	163.00			
0055	QMR94095	38148.96	19771.75	1223.15	188.00			
0056	QMR94096	38148.96	19771.75	1223.15	157.00			
0057	QMR94097	38153.50	19800.59	1226.79	154.00			
0058	QMR94098	38148.58	19763.43	1222.59	87.00			
0059	QMR94099	38104.79	20075.80	1156.56	120.00			

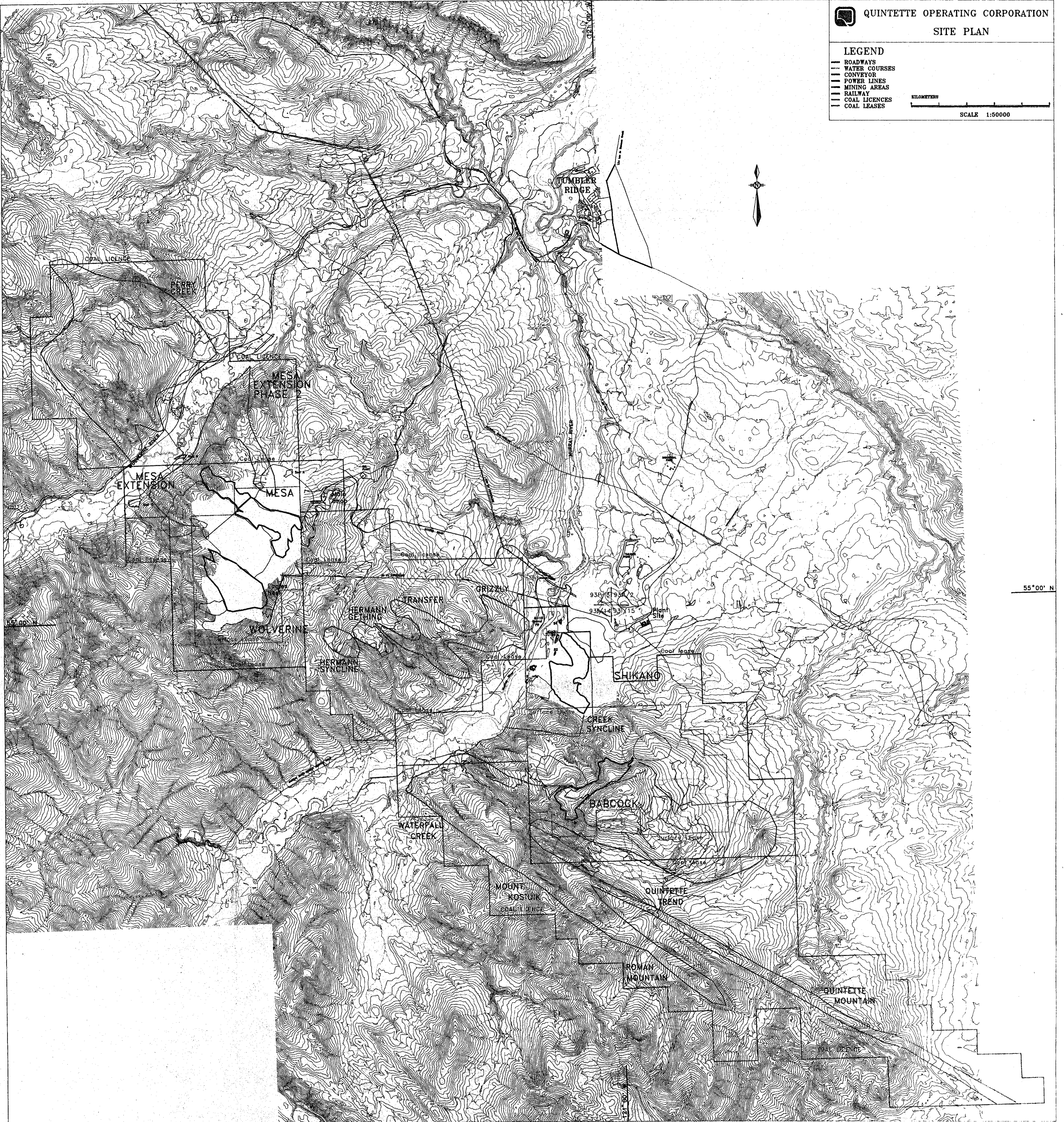
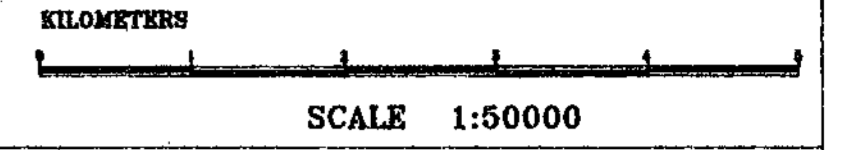
Fig. 24

Quintette Operating Corporation

Site Plan Map,

Scale; 1:50,000

- LEGEND
- ROADWAYS
  - WATER COURSES
  - CONVEYOR
  - POWER LINES
  - MINING AREAS
  - RAILWAY
  - COAL LICENCES
  - COAL LEASES



## **APPENDIX-A1**

### **DRILL HOLE SUMMARY**

DRILLHOLE INDEX REPORT

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG/N	CG
0001 QMR94002	37400.89	20208.72	1354.51	157.00				
0002 QMR94003	37401.48	20212.59	1354.38	163.00				
0003 QMR94004	37398.39	20217.07	1356.90	120.00				
0004 QMR94005	37451.79	20239.30	1327.84	190.00				
0005 QMR94006	37456.19	20235.78	1327.42	151.00				
0006 QMR94007	37497.32	20081.70	1327.43	103.00				
0007 QMR94008	37602.15	20093.38	1313.02	108.50				
0008 QMR94009	37597.35	20111.55	1301.47	113.00				
0009 QMR94010	37691.08	20092.97	1300.82	133.00				
0010 QMR94011	37674.29	20066.61	1308.54	123.00				
0011 QMR94012	37790.15	20089.68	1273.36	111.50				
0012 QMR94013	37922.80	20156.52	1208.27	170.00				
0013 QMR94020	38093.55	20186.70	1168.96	115.00				
0014 QMR94021	38193.36	20182.05	1150.19	125.00				
0015 QMR94022	38204.66	20051.54	1146.30	125.00				
0016 QMR94023	38177.71	20054.64	1150.04	90.00				
0017 QMR94025	38296.91	20063.75	1130.58	105.00				
0018 QMR94026	38292.96	20062.14	1131.81	137.50				
0019 QMR94028	38314.24	20066.29	1140.02	108.00				
0020 QMR94029	38391.65	20032.07	1124.21	133.00				
0021 QMR94030	38391.65	20032.07	1124.21	141.00				
0022 QMR94033	38492.36	20044.96	1095.85	127.00				
0023 QMR94037	38594.61	20032.30	1063.90	163.00				
0024 QMR94038	38597.85	20031.66	1064.29	148.00				
0025 QMR94039	38700.39	19955.98	1052.88	132.00				
0026 QMR94040	38700.39	19955.98	1052.88	149.00				
0027 QMR94042	38812.21	19983.95	1032.73	97.62				
0028 QMR94043	38809.36	19985.32	1032.73	151.00				
0029 QMR94044	38792.43	20401.82	1106.95	131.20				
0030 QMR94045	38906.31	19993.20	1013.84	96.00				
0031 QMR94048	38909.43	20279.45	1066.91	78.00				
0032 QMR94049	38991.43	20591.86	1033.18	120.50				
0033 QMR94050	38995.86	19982.74	999.29	88.00				
0034 QMR94051	39097.90	20654.02	969.85	120.50				
0035 QMR94052	39104.01	20711.43	958.57	142.00				
0036 QMR94055	39283.92	20772.45	924.43	96.00				
0037 QMR94056	39327.32	20653.72	895.09	50.00				
0038 QMR94062	39593.47	20893.96	848.01	102.00				
0039 QMR94066	39596.36	20663.81	838.02	66.00				
0040 QMR94080	38204.66	20051.54	1146.30	121.30				
0041 QMR94081	38293.96	20082.14	1131.81	161.00				
0042 QMR94082	38093.55	20186.70	1168.96	216.00				
0043 QMR94083	38189.23	20188.70	1152.14	127.00				
0044 QMR94084	38093.55	20186.70	1168.96	90.00				
0045 QMR94085	38484.25	20049.93	1096.35	175.00				
0046 QMR94086	38597.11	20034.89	1062.60	142.00				
0047 QMR94087	38985.50	19981.97	1005.00	100.00				
0048 QMR94088	38906.31	19993.20	1013.84	125.00				
0049 QMR94089	38488.58	20043.15	1096.25	111.00				

0050 QMR94090	37991.28	19711.65	1232.73	160.00				
0051 QMR94091	37991.28	19711.65	1232.73	157.00				
0052 QMR94092	38087.98	19741.39	1223.76	123.00				
0053 QMR94093	38087.98	19741.39	1223.76	185.00				
0054 QMR94094	38148.96	19771.75	1223.12	163.00				
0055 QMR94095	38148.96	19771.75	1223.12	183.00				
0056 QMR94096	38148.96	19771.75	1223.15	151.00				
0057 QMR94097	38153.50	19800.59	1226.79	90.12				
0058 QMR94098	38148.58	19763.43	1222.59	87.00				
0059 QMR94099	38104.79	20075.80	1156.56	120.00				
0060 QMR88151	37460.01	20489.75	1388.25	289.90				74
0061 QMR88155	37793.17	20331.16	1351.57	297.16				77
0062 QMR88301	39403.40	20813.48	866.57	102.35				94
0063 QMR88302	38972.30	20132.55	1009.93	83.83				89
0064 QMR88303	38966.61	20378.28	1051.04	76.84				89
0065 QMR88304	38968.49	20268.58	1049.83	90.12				89
0066 QMR88305	38963.37	20549.16	1052.12	114.40				86
0067 QMR88306	38677.71	20241.33	1108.90	72.06				83
0068 QMR88307	38398.06	20217.58	1121.58	59.34				87
0069 QMR88308	38170.01	20478.95	1136.00	192.48				
0070 QMR88309	39354.56	20659.84	885.30	47.28				
0071 QMR88310	39466.69	20718.58	857.62	11.00				
0072 QMR89501	39197.55	20825.63	957.87	154.86				
0073 QMR89502	39173.15	20632.20	947.79	103.26				91

0074	QMR89503	39009.53	20088.58	993.07	48.36	
0075	QMR89504	39074.28	20270.74	1018.82	60.62	
0076	QMR89505	39000.39	20256.28	1031.69	57.06	
0077	QMR89506	39059.22	20456.20	1023.02	51.08	
0078	QMR89507	39087.50	20359.61	1020.48	57.66	
0079	QMR89509	38686.15	20130.02	1066.56	96.22	
0080	QMR89510	38686.05	20128.45	1066.62	189.00	
0081	QMR89511	38487.14	20167.77	1083.47	181.62	87
0082	QMR89512	38786.90	20225.49	1083.88	78.62	
0083	QMR89513	38514.15	20243.11	1131.51	75.38	
0084	QMR89514	38203.87	20294.20	1188.16	81.62	82
0085	QMR89515	38030.81	20289.23	1202.09	60.72	
0086	QMR89516	37840.93	20279.00	1221.61	72.16	
0087	QMR89517	37819.98	20179.16	1215.72	69.82	
0088	QMR89518	37659.90	20177.72	1215.88	102.76	
0089	QMR89519	37659.28	20174.63	1243.32	61.00	
0090	QMR89520	37661.05	20175.83	1242.81	81.12	76
0091	QMR89521	38444.41	20358.09	1216.05	149.08	
0092	QMR89522	38139.75	20398.43	1252.46	146.00	
0093	QMR89523	37839.96	20357.52	1246.72	155.52	
0094	QMR89524	37569.18	20347.57	1285.64	147.70	
0095	QMR89525	38608.31	20343.82	1177.40	124.44	86
0096	QMR89526	38800.17	20351.72	1103.92	121.70	88
0097	QMR89527	39087.61	20182.09	993.85	39.44	90
0098	QMR89528	39083.85	20080.30	975.25	33.32	
0099	QMR89529	39183.26	20541.98	951.99	45.56	
0100	QMR89530	39439.55	20998.22	852.63	52.70	
0101	QMR89531	39471.55	21142.32	851.65	60.62	
0102	QMR89532					94

LYNX GEOSYSTEMS INC.  
 PROJECT: MESA93  
 SUBSET: #0

Tue Jan 17 09:26:46 1995  
 USER: szalkai  
 RAW DRILLHOLE DATA

DRILLHOLE INDEX REPORT

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
0001 QMD88003	38214.33	20499.15	1302.30	232.20				82
0002 QMD89501	39211.75	20974.82	947.17	172.50				92
0003 QMD89502	38607.44	20490.78	1154.09	218.88				86
0004 QMD89503	37948.23	20424.47	1261.44	185.08				79
0005 QMD94001	37695.41	20107.56	1281.22	76.72				89
0006 QMD94003	38910.04	20494.27	1073.77	118.03				89
0007 QMD94004	38902.71	20105.27	1008.84	52.45				89
0008 QMD94005	37742.23	20092.96	1288.71	76.79				77
0009 QMD94006	37748.41	20088.90	1288.88	20.00				
0010 QMD94007	38907.67	20492.27	1076.03	105.00				
0011 QMD94008	38906.25	20105.75	1008.89	45.43				



## **APPENDIX-A2**

### **DETAILED ROTARY DRILL DATA**

MESA EXTENSION EXPLORATION ROTARY DRILL SUMMARY

MESA EXTENSION EXPLORATION ROTARY DRILL SUMMARY

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88155, CATEGORY:77

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88155	37798.17	20531.16	1351.57	297.16				77

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	264.50	59.20	0002	5.00	264.50	59.20
0003	10.00	271.50	59.20	0004	15.00	273.40	59.60
0005	20.00	272.90	60.40	0006	25.00	271.90	61.30
0007	30.00	273.70	61.50	0008	35.00	272.30	62.40
0009	40.00	272.30	62.60	0010	45.00	272.40	63.00
0011	50.00	272.50	63.50	0012	55.00	270.90	63.80
0013	60.00	272.00	64.40	0014	65.00	271.20	64.60
0015	70.00	275.30	64.50	0016	75.00	273.20	64.60
0017	80.00	275.50	65.20	0018	85.00	272.20	65.80
0019	90.00	273.80	66.00	0020	95.00	273.40	66.40
0021	100.00	273.20	66.60	0022	105.00	272.80	67.00
0023	110.00	274.20	66.90	0024	115.00	274.00	67.40
0025	120.00	274.50	67.70	0026	125.00	274.40	67.90
0027	130.00	275.10	68.00	0028	135.00	273.70	68.00
0029	140.00	275.10	68.50	0030	145.00	274.20	68.40
0031	150.00	274.60	68.60	0032	155.00	276.10	68.80
0033	160.00	275.00	69.00	0034	165.00	278.00	69.10
0035	170.00	280.50	68.60	0036	175.00	280.70	68.50
0037	180.00	281.10	68.10	0038	185.00	284.30	67.50
0039	190.00	285.10	67.20	0040	195.00	285.70	67.10
0041	200.00	286.90	66.70	0042	205.00	287.70	66.20
0043	210.00	291.70	65.70	0044	215.00	293.80	65.50
0045	220.00	294.40	65.10	0046	225.00	296.30	64.90
0047	230.00	301.30	64.70	0048	235.00	298.40	64.60
0049	240.00	306.30	63.90	0050	245.00	304.70	63.60
0051	250.00	306.80	63.20	0052	255.00	304.80	62.50
0053	260.00	307.40	61.70	0054	265.00	307.00	61.10
0055	270.00	307.90	60.50	0056	275.00	309.10	60.50
0057	280.00	312.80	59.90	0058	285.00	312.30	59.50
0059	290.00	313.50	58.60	0060	295.00	307.20	59.10

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	37798.10	20530.40	1350.28	3.00
0002		37798.89	20501.21	1295.46	121.30
0003	A	37800.50	20476.61	1239.36	1.30
0004		37800.90	20471.63	1226.95	25.45
0005	B	37801.30	20466.81	1214.62	1.03
0006		37801.76	20462.33	1202.93	24.02
0007	C	37802.55	20457.93	1191.47	0.60
0008		37806.82	20443.75	1156.92	74.60
0009	CPRK	37815.10	20429.72	1122.91	0.87
0010	D3	37815.55	20429.08	1121.39	2.55
0011		37816.14	20428.23	1119.41	1.92
0012	D4	37816.54	20427.68	1118.13	0.98
0013		37816.98	20427.09	1116.75	2.15
0014	E0	37817.60	20426.27	1114.86	2.15
0015		37818.05	20425.68	1113.52	0.92
0016	E1	37818.71	20424.82	1111.58	3.51
0017		37819.33	20424.02	1109.74	0.70
0018	E2	37820.08	20423.04	1107.57	4.29
0019		37820.81	20422.13	1105.52	0.43
0020	E3U	37821.16	20421.70	1104.53	1.83
0021		37822.19	20420.45	1101.66	4.78
0022	E3L	37823.16	20419.36	1099.12	1.07
0023		37823.67	20418.79	1097.83	1.92
0024	E4	37824.21	20418.20	1096.46	1.25
0025		37826.12	20416.12	1091.71	9.80
0026	G	37828.07	20413.96	1086.92	1.42

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88501, CATEGORY:94

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88501	39403.40	20813.48	866.37	102.36				94

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	219.10	89.60	0002	5.00	219.10	89.60
0003	15.00	288.80	89.60	0004	25.00	306.40	89.30
0005	35.00	312.80	89.00	0006	45.00	339.30	88.70
0007	55.00	325.90	88.60	0008	65.00	309.70	88.50
0009	75.00	294.30	89.00	0010	85.00	297.00	88.60
0011	95.00	302.80	89.00	0012	102.36	302.80	89.00

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	39403.39	20813.48	865.37	2.00
0002		39403.39	20813.46	862.68	3.38
0003	G	39403.37	20813.45	860.48	1.02
0004		39403.35	20813.41	852.95	14.04
0005	J	39403.40	20813.32	842.07	7.73



0001	0.00	194.30	89.50	0002	5.00	194.30	89.50
0003	10.00	288.50	89.10	0004	15.00	261.50	89.20
0005	20.00	282.10	89.20	0006	25.00	264.60	88.60
0007	30.00	246.50	88.80	0008	35.00	276.20	88.10
0009	40.00	265.00	88.10	0010	45.00	280.20	87.60
0011	50.00	283.50	87.40	0012	55.00	281.00	87.40
0013	60.00	283.20	87.80	0014	65.00	285.40	87.30
0015	70.00	290.60	87.20	0016	75.00	281.80	87.20
0017	80.00	283.50	87.00	0018	85.00	286.20	86.80
0019	90.00	284.60	86.40	0020	95.00	285.80	86.70
0021	100.00	286.70	86.60	0022	105.00	294.40	86.70
0023	110.00	289.80	86.30				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38963.30	20549.11	1043.00	18.25
0002 DT		38963.31	20548.98	1033.87	0.01
0003 D3		38963.31	20548.96	1032.54	2.64
0004 D4		38963.32	20548.93	1030.44	1.56
0005		38963.32	20548.90	1028.89	1.54
0006 EDU		38963.32	20548.87	1027.57	1.10
0007 EOPTG		38963.32	20548.86	1026.70	0.65
0008 EDL		38963.32	20548.84	1026.19	0.36
0009 E1P		38963.31	20548.82	1025.28	1.47
0010 E1A		38963.31	20548.79	1024.18	0.72
0011 E1PTG		38963.30	20548.78	1023.57	0.50
0012 E1B		38963.30	20548.77	1023.10	0.44
0013 E1PTG		38963.30	20548.77	1022.72	0.32
0014 E1C		38963.29	20548.75	1022.04	1.04
0015 E2P		38963.28	20548.73	1021.05	0.95
0016 E2		38963.28	20548.68	1018.95	3.26
0017		38963.28	20548.62	1017.19	0.26
0018 E3U		38963.28	20548.58	1016.17	1.78
0019 E3P		38963.28	20548.49	1013.36	3.83
0020 E3L		38963.28	20548.41	1010.90	1.10
0021		38963.28	20548.36	1009.49	1.72
0022 E4		38963.28	20548.32	1008.49	0.29
0023 E4CONG		38963.33	20548.07	1002.64	11.42
0024 E4L		38963.40	20547.80	996.67	0.53
0025		38963.44	20547.55	990.41	12.00
0026 G		38963.53	20547.27	984.00	0.83
0027		38963.66	20546.78	973.73	19.74
0028 J		38963.86	20546.02	960.00	7.77

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88506, CATEGORY:86

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88506	38677.71	20241.33	1108.90	72.06				86

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	134.40	89.00	0002	5.00	134.40	89.00
0003	10.00	142.00	89.30	0004	15.00	111.50	88.80
0005	20.00	133.90	89.00	0006	25.00	112.20	88.10
0007	30.00	109.80	88.90	0008	35.00	110.40	88.00
0009	40.00	117.50	88.30	0010	45.00	108.60	87.50
0011	50.00	107.30	87.90	0012	55.00	106.20	87.80
0013	60.00	113.70	87.00	0014	65.00	112.30	87.40
0015	70.00	104.80	87.30				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001 OVER		38677.71	20241.34	1108.08	1.65
0002 E4		38677.68	20241.36	1106.56	1.39
0003		38677.61	20241.45	1098.49	14.75
0004 G		38677.51	20241.57	1090.53	1.17
0005		38677.40	20241.77	1081.33	17.24
0006 FA		38677.32	20241.98	1072.70	0.01
0007		38677.21	20242.23	1064.85	15.71
0008 J		38677.11	20242.62	1054.41	5.18

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88507, CATEGORY:83

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88507	38398.06	20217.56	1121.58	59.34				83

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	293.70	89.20	0002	5.00	293.70	89.20
0003	10.00	166.20	89.20	0004	15.00	312.30	89.20
0005	20.00	141.50	89.30	0006	25.00	343.50	89.00
0007	30.00	160.80	89.40	0008	35.00	324.60	89.10
0009	40.00	176.00	89.10	0010	45.00	334.80	89.20
0011	50.00	125.40	89.50	0012	55.00	149.10	89.30

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001 OVER		38398.06	20217.55	1121.08	1.00
0002		38398.08	20217.52	1117.72	5.73
0003 G		38398.08	20217.46	1114.14	1.42
0004		38398.03	20217.41	1107.01	12.85
0005 FA		38397.99	20217.39	1100.53	0.10
0006		38398.03	20217.45	1089.56	21.85

0007 J 38398.03 20217.31 1074.81 7.65

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88508, CATEGORY:87

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88508	38701.01	20478.93	1136.00	192.48				87

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	217.70	89.10	0002	5.00	217.70	89.10
0003	10.00	179.20	88.90	0004	15.00	188.90	88.50
0005	20.00	139.10	88.80	0006	25.00	95.90	89.10
0007	30.00	229.30	89.60	0008	35.00	186.00	89.30
0009	40.00	133.20	88.80	0010	45.00	205.80	89.50
0011	50.00	224.50	89.50	0012	55.00	160.20	89.20
0013	60.00	130.00	89.20	0014	65.00	130.50	89.20
0015	70.00	343.20	89.50	0016	75.00	357.70	89.50
0017	80.00	310.00	89.50	0018	85.00	262.60	89.50
0019	90.00	173.70	89.40	0020	95.00	147.40	89.40
0021	100.00	125.30	89.70	0022	105.00	323.00	89.60
0023	110.00	326.50	88.90	0024	115.00	317.50	88.80
0025	120.00	290.20	89.40	0026	125.00	297.80	89.30
0027	130.00	320.20	89.00	0028	135.00	315.20	89.00
0029	140.00	294.20	88.90	0030	145.00	279.80	87.70
0031	150.00	288.30	86.70	0032	155.00	301.20	85.00
0033	160.00	303.00	84.50	0034	165.00	302.90	84.20
0035	170.00	304.00	83.90	0036	175.00	307.60	83.50
0037	180.00	305.20	82.70	0038	185.00	305.50	82.40
0039	192.48	305.00	82.70				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38700.99	20478.91	1134.16	3.69
0002	COAL	38700.96	20478.89	1131.84	0.95
0003		38700.94	20478.88	1130.50	1.72
0004	COAL	38700.92	20478.87	1129.23	0.83
0005		38700.71	20478.86	1119.53	18.57
0006	B	38700.60	20478.98	1109.24	2.02
0007		38700.55	20478.97	1104.84	6.77
0008	COAL	38700.53	20478.96	1101.36	0.20
0009		38700.44	20478.99	1095.94	10.64
0010	COAL	38700.37	20479.00	1090.31	0.61
0011		38700.35	20478.99	1087.36	5.29
0012	COAL	38700.33	20478.97	1084.25	0.94
0013		38700.25	20479.11	1061.03	45.50
0014	DT	38700.21	20479.04	1038.27	0.01
0015	D3	38700.19	20479.05	1037.05	2.43
0016		38700.19	20479.06	1035.66	0.36
0017	D4U	38700.18	20479.06	1035.32	0.31
0018		38700.18	20479.06	1034.88	0.58
0019	D4	38700.18	20479.06	1034.19	0.80
0020		38700.17	20479.05	1032.91	1.76
0021	E0	38700.18	20479.04	1031.12	1.82
0022		38700.19	20479.03	1029.55	1.32
0023	E1	38700.22	20479.02	1027.50	2.78
0024		38700.24	20479.00	1025.91	0.40
0025	FA	38700.24	20479.00	1025.71	0.01
0026		38700.24	20479.00	1025.70	0.01
0027	E1	38700.25	20478.99	1025.29	0.81
0028		38700.26	20478.98	1024.45	0.86
0029	E2	38700.30	20478.95	1022.34	3.37
0030		38700.32	20478.93	1020.48	0.34
0031	E3U	38700.33	20478.93	1019.77	1.08
0032		38700.35	20478.89	1017.45	3.56
0033	E3L	38700.36	20478.87	1015.31	0.73
0034		38700.37	20478.86	1014.08	1.72
0035	E4	38700.37	20478.84	1013.08	0.29
0036		38700.50	20478.70	1000.63	24.61
0037	G	38700.62	20478.34	987.93	0.81
0038		38701.10	20477.47	975.55	24.02
0039	J	38702.08	20476.05	959.40	8.46

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88509

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88509	39354.56	20659.84	885.30	47.28				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
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#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		39354.56	20659.84	880.17	10.27
0002	J	39354.56	20659.84	871.18	7.70
0003		39354.56	20659.84	858.22	18.23
0004	FA?	39354.56	20659.84	848.30	1.60

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR88510

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR88510	39466.69	20718.58	857.62	11.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
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# Seam NORTHING EASTING ELEVTN LENGTH  
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0001 QVBN 39466.69 20718.58 852.12 11.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89501, CATEGORY:91

HOLE # NORTH EAST ELVN LGTH SF1 SF2 RG'N CG  
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QMR89501 39197.55 20825.63 957.87 154.86 91

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	165.10	88.70	0002	5.00	165.10	88.70
0003	10.00	143.90	88.80	0004	15.00	132.70	88.80
0005	20.00	145.40	88.90	0006	25.00	165.40	89.10
0007	30.00	200.80	89.40	0008	35.00	219.10	89.60
0009	40.00	233.50	89.50	0010	45.00	204.60	89.20
0011	50.00	196.00	89.10	0012	55.00	187.40	89.30
0013	60.00	225.00	89.60	0014	65.00	252.00	89.40
0015	70.00	250.00	89.30	0016	75.00	247.70	89.00
0017	80.00	253.20	88.60	0018	85.00	263.10	88.20
0019	90.00	268.70	87.90	0020	95.00	270.00	87.70
0021	100.00	273.60	87.70	0022	105.00	277.10	87.70
0023	110.00	277.10	87.80	0024	115.00	279.90	87.80
0025	120.00	281.80	87.50	0026	125.00	285.50	87.50
0027	130.00	286.40	87.30	0028	135.00	290.80	86.90
0029	140.00	289.10	86.70	0030	145.00	287.30	86.70
0031	150.00	292.70	86.60	0032	155.00	287.10	86.50

0001	OVER	39197.53	20825.64	956.37	3.00
0002		39197.10	20825.88	932.38	45.00
0003	CPRK	39196.76	20825.73	898.73	22.30
0004	DT	39196.72	20825.63	887.54	0.08
0005	D3	39196.71	20825.62	886.29	2.42
0006		39196.71	20825.61	884.91	0.33
0007	D4U	39196.71	20825.59	884.63	0.23
0008		39196.71	20825.59	884.36	0.31
0009	D4	39196.71	20825.58	883.86	0.69
0010		39196.69	20825.56	882.85	1.34
0011	E0	39196.68	20825.53	881.23	1.90
0012		39196.67	20825.50	879.43	1.69
0013	E1A	39196.66	20825.47	878.30	0.57
0014		39196.65	20825.46	877.68	0.69
0015	E1B	39196.65	20825.43	876.59	1.48
0016		39196.64	20825.40	875.39	0.92
0017	E2	39196.65	20825.34	873.52	2.82
0018		39196.62	20825.29	871.92	0.38
0019	E3U	39196.62	20825.27	870.86	1.75
0020		39196.62	20825.18	868.52	2.92
0021	E3L	39196.62	20825.11	866.69	0.75
0022		39196.62	20825.05	865.35	1.93
0023	E4U	39196.61	20825.02	864.21	0.35
0024	E4CONG	39196.62	20824.74	857.57	12.95
0025	E4L	39196.65	20824.48	851.00	0.20
0026		39196.68	20824.25	844.92	11.97
0027	G	39196.73	20823.99	838.52	0.83
0028		39196.83	20823.62	829.80	16.64
0029	J	39197.04	20823.00	817.43	8.13

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89502, CATEGORY:91

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89502	39173.15	20632.20	947.79	103.26				91

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	235.00	89.00	0002	5.00	235.00	89.00
0003	10.00	148.80	89.10	0004	15.00	164.00	89.30
0005	20.00	153.80	89.40	0006	25.00	148.60	89.10
0007	30.00	143.90	89.10	0008	35.00	171.90	89.20
0009	40.00	207.40	89.40	0010	45.00	201.90	89.60
0011	50.00	182.00	89.50	0012	55.00	80.20	89.30

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVER	39173.14	20632.20	947.29	1.00
0002		39173.11	20632.14	943.85	5.88
0003	D3	39173.05	20632.11	939.20	3.42
0004		39173.03	20632.12	937.31	0.37
0005	D4U	39173.03	20632.12	936.96	0.32
0006		39173.01	20632.12	936.62	0.37
0007	D4	39173.00	20632.13	936.05	0.76
0008		39172.99	20632.13	934.98	1.38
0009	E0	39172.96	20632.14	932.44	3.70
0010		39172.93	20632.15	929.63	1.93
0011	E1	39172.91	20632.16	928.13	1.07
0012		39172.90	20632.18	926.56	2.07
0013	E1	39172.90	20632.18	925.22	0.60
0014		39172.87	20632.18	924.38	1.08
0015	E2	39172.85	20632.20	922.32	3.04
0016		39172.82	20632.21	920.61	0.39
0017	E3U	39172.81	20632.22	919.50	1.82
0018		39172.78	20632.25	916.50	4.18
0019	E3L	39172.73	20632.27	913.92	0.99
0020		39172.72	20632.27	912.66	1.53
0021	E4U	39172.71	20632.27	911.59	0.60
0022		39172.71	20632.27	911.29	0.01
0023	E4CONG	39172.64	20632.24	904.94	12.69
0024		39172.61	20632.23	898.59	0.01
0025	E4L	39172.61	20632.23	898.44	0.29
0026		39172.56	20632.29	891.21	14.17
0027	G	39172.57	20632.38	883.71	0.83
0028		39172.60	20632.52	872.75	21.09
0029	J	39172.65	20632.70	857.92	8.57

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89503

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89503	39009.53	20088.58	993.07	48.36				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	255.60	89.50	0002	5.00	255.60	89.50
0003	5.00	255.60	89.50	0004	10.00	256.10	89.70
0005	10.00	256.10	89.70	0006	15.00	178.80	89.70
0007	15.00	178.80	89.70	0008	20.00	116.00	89.50
0009	20.00	116.00	89.50	0010	25.00	87.80	89.20
0011	25.00	87.80	89.20	0012	30.00	77.70	88.60
0013	30.00	77.70	88.60	0014	35.00	70.50	88.10
0015	35.00	70.50	88.10	0016	40.00	69.10	88.00
0017	40.00	69.10	88.00	0018	45.00	65.40	88.30
0019	45.00	65.40	88.30				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	39009.53	20088.57	991.57	3.00
0002		39009.53	20088.54	988.53	3.08
0003	G	39009.53	20088.53	986.55	0.89
0004		39009.48	20088.49	976.00	20.20
0005	J	39009.48	20088.70	961.51	8.78

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89504

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89504	39074.28	20270.74	1018.82	60.62				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	254.70	89.50	0002	5.00	254.70	89.50
0003	10.00	272.00	89.20	0004	15.00	267.00	89.50
0005	20.00	267.60	89.40	0006	25.00	258.20	89.40
0007	30.00	256.70	89.40	0008	35.00	242.30	89.40
0009	40.00	209.90	89.60	0010	45.00	141.00	89.70
0011	50.00	158.50	89.70	0012	55.00	341.80	89.70
0013	60.00	233.80	89.80				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		39074.28	20270.71	1015.23	7.19
0002	E4L	39074.26	20270.68	1011.29	0.69
0003		39074.26	20270.61	1004.90	12.09
0004	G	39074.26	20270.53	998.44	0.83
0005		39074.24	20270.43	988.20	19.64
0006	J	39074.17	20270.36	974.77	7.22

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89505

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89505	39000.39	20236.28	1031.69	57.06				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	154.00	89.60	0002	5.00	154.00	89.60
0003	10.00	122.00	89.60	0004	15.00	119.70	89.70
0005	20.00	123.50	89.40	0006	25.00	129.10	89.20
0007	30.00	128.70	89.00	0008	35.00	143.80	88.90
0009	40.00	141.50	88.70	0010	45.00	141.10	88.60
0011	50.00	146.70	88.70	0012	55.00	162.70	88.80

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	39000.39	20236.28	1030.19	3.00
0002		39000.35	20236.30	1024.43	8.53
0003	G	39000.33	20236.33	1019.48	1.37
0004		39000.23	20236.46	1004.12	29.34
0005	J	38999.94	20236.71	985.25	8.42

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89506

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89506	39059.22	20450.20	1023.02	51.08				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	165.60	87.90	0002	5.00	165.60	87.90
0003	10.00	154.30	87.60	0004	15.00	155.10	87.70
0005	20.00	150.00	87.70	0006	25.00	144.10	87.80
0007	30.00	139.90	87.90	0008	35.00	136.30	87.90
0009	40.00	134.70	88.10	0010	45.00	131.60	88.20
0011	50.00	129.20	88.40				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	39059.17	20450.21	1021.52	3.00
0002		39059.05	20450.24	1018.27	3.50
0003	G	39058.97	20450.27	1016.12	0.80
0004		39058.60	20450.45	1005.72	20.02
0005	J	39058.14	20450.77	991.53	8.38

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89507

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89507	39087.50	20359.61	1020.48	57.66				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	235.00	89.00	0002	5.00	235.00	89.00
0003	10.00	148.80	89.10	0004	15.00	164.00	89.30
0005	20.00	153.80	89.40	0006	25.00	148.60	89.10
0007	30.00	143.90	89.10	0008	35.00	171.90	89.20
0009	40.00	207.40	89.40	0010	45.00	201.90	89.60
0011	50.00	182.00	89.50	0012	55.00	80.20	89.30

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
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0001	OVBN	39087.48	20359.59	1018.98	3.00
0002		39087.44	20359.53	1014.41	6.15
0003	G	39087.39	20359.52	1010.94	0.79
0004		39087.28	20359.57	1001.03	19.03
0005	J	39087.10	20359.68	987.90	7.22

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89509

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89509	38686.15	20130.02	1066.56	96.22				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	151.20	89.40	0002	5.00	151.20	89.40
0003	10.00	144.00	89.50	0004	15.00	125.90	89.40
0005	20.00	85.10	89.10	0006	25.00	78.00	88.60
0007	30.00	66.50	88.00	0008	35.00	66.70	87.10
0009	40.00	65.90	85.90	0010	45.00	69.30	85.50
0011	50.00	71.90	85.30	0012	55.00	76.20	85.50
0013	60.00	71.80	85.20	0014	65.00	70.90	85.30
0015	70.00	71.70	85.20	0016	75.00	72.70	85.00
0017	80.00	72.30	85.00	0018	85.00	70.60	84.80
0019	90.00	73.20	84.30	0020	95.00	71.90	84.20

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	38686.14	20130.03	1065.06	3.00
0002		38686.12	20130.04	1063.46	0.20
0003	COAL	38686.12	20130.04	1063.11	0.50
0004		38686.11	20130.04	1061.91	1.90
0005	D3	38686.10	20130.05	1060.81	0.30
0006		38686.10	20130.05	1060.01	1.30
0007	D3	38686.08	20130.06	1058.66	1.40
0008	D3	38686.07	20130.06	1057.81	0.30
0009	D4	38686.07	20130.07	1056.76	1.80
0010		38686.05	20130.08	1054.31	3.10
0011	E0	38686.03	20130.11	1052.21	1.10
0012		38686.03	20130.11	1050.86	1.60
0013	E1A	38686.03	20130.12	1049.81	0.50
0014		38686.03	20130.14	1048.31	2.50
0015	E1B	38686.03	20130.16	1046.86	0.40
0016		38686.03	20130.18	1046.31	0.70
0017	E1C	38686.03	20130.18	1045.66	0.60
0018		38686.03	20130.20	1044.71	1.30
0019	E2U	38686.03	20130.22	1043.56	1.00
0020		38686.03	20130.24	1042.66	0.80
0021	E2L	38686.03	20130.27	1041.76	1.00
0022		38686.04	20130.29	1040.96	0.60
0023	E3U	38686.05	20130.32	1039.56	2.20
0024		38686.07	20130.40	1037.06	2.80
0025	E3L	38686.10	20130.47	1035.10	1.13
0026		38686.14	20130.55	1033.09	2.90
0027	E4	38686.18	20130.64	1031.15	0.99
0028		38686.39	20131.13	1023.35	14.63
0029	G	38686.60	20131.72	1015.59	0.95
0030		38686.89	20132.68	1003.35	23.61
0031	J	38687.32	20134.03	986.61	10.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89510

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89510	38686.03	20128.45	1066.62	189.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	243.00	46.30	0002	5.00	243.00	46.30
0003	10.00	243.40	46.80	0004	15.00	265.80	47.10
0005	20.00	262.30	47.50	0006	25.00	262.80	47.70
0007	30.00	265.80	48.30	0008	35.00	266.30	49.00
0009	40.00	266.60	49.50	0010	45.00	266.20	49.60
0011	50.00	262.00	49.70	0012	189.00	264.40	50.30

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN?	38685.25	20126.91	1064.81	5.00
0002	E1	38684.14	20124.73	1062.25	2.10
0003		38683.53	20123.53	1060.83	1.80
0004	E2	38682.10	20119.64	1056.38	10.40
0005		38681.69	20115.72	1052.12	1.20
0006	E3U	38681.41	20113.58	1049.76	5.20
0007		38680.68	20105.47	1040.61	19.30
0008	FA	38680.29	20099.20	1033.28	0.01
0009	E1	38680.21	20098.23	1032.14	2.99
0010		38680.08	20096.98	1030.65	0.90
0011	E2	38679.71	20094.22	1027.37	7.70
0012		38679.32	20091.41	1024.01	1.10
0013	E3U	38679.05	20089.43	1021.65	5.10
0014		38678.68	20086.68	1018.37	3.50
0015	E3L	38678.47	20085.14	1016.53	1.30
0016		38678.03	20081.78	1012.52	9.20
0017	E4	38677.53	20077.95	1007.93	2.80
0018		38676.78	20072.09	1000.94	15.50
0019	G	38676.06	20066.37	994.09	2.40
0020	FA	38675.97	20065.61	993.17	0.01

0021		38675.96	20065.45	992.98	0.49
0022	E4	38675.90	20065.03	992.48	0.80
0023		38675.00	20057.66	983.64	22.30
0024	G	38674.11	20050.11	974.56	1.40
0025		38672.82	20038.71	960.87	34.30
0026	J	38670.94	20021.04	939.56	21.20

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89511

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89511	38487.14	20167.77	1083.47	161.62				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001	OVRN	38487.14	20167.77	1081.07	4.80			
0002	E3U	38487.14	20167.77	1076.07	5.20			
0003		38487.14	20167.77	1068.97	13.00			
0004	E3L	38487.14	20167.77	1057.92	5.10			
0005		38487.14	20167.77	1046.86	17.03			
0006	E4	38487.14	20167.77	1036.51	3.67			
0007		38487.14	20167.77	1013.97	41.40			
0008	G	38487.14	20167.77	992.12	2.30			
0009		38487.14	20167.77	964.58	52.78			
0010	J	38487.14	20167.77	933.29	9.80			

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89512, CATEGORY:87

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89512	38786.90	20225.49	1083.88	78.62			87	
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001		0.00	87.80	49.80	0002	5.00	87.80	49.80
0003		10.00	70.40	49.80	0004	15.00	76.20	49.60
0005		20.00	78.40	49.80	0006	25.00	75.00	50.30
0007		30.00	76.20	50.40	0008	35.00	76.00	50.80
0009		40.00	76.80	51.10	0010	45.00	76.70	51.40
0011		50.00	76.90	51.80	0012	55.00	82.90	52.10
0013		60.00	77.80	52.60	0014	65.00	78.20	53.30
0015		70.00	79.00	53.60	0016	75.00	78.60	54.90

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	38786.91	20225.81	1083.50	1.00
0002		38787.01	20228.43	1080.40	7.12
0003	G	38787.39	20231.03	1077.28	1.05
0004		38789.44	20238.93	1067.64	24.20
0005	J	38792.11	20249.59	1054.31	10.35

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89513

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89513	38514.15	20243.11	1131.51	75.38				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001		0.00	87.80	49.80	0002	5.00	87.80	49.80
0003		10.00	70.40	49.80	0004	15.00	76.20	49.60
0005		20.00	78.40	49.80	0006	25.00	75.00	50.30
0007		30.00	76.20	50.40	0008	35.00	76.00	50.80
0009		40.00	76.80	51.10	0010	45.00	76.70	51.40
0011		50.00	76.90	51.80	0012	55.00	82.90	52.10
0013		60.00	77.80	52.60	0014	65.00	78.20	53.30
0015		70.00	79.00	53.60	0016	75.00	78.60	54.90

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38514.28	20246.33	1127.69	10.00
0002	E4	38515.03	20249.81	1123.47	1.06
0003		38515.85	20252.71	1119.91	8.27
0004	G	38516.47	20255.56	1116.47	0.74
0005		38518.35	20263.12	1107.11	23.62
0006	J	38521.07	20274.57	1092.46	13.97

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89514, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89514	38203.87	20294.20	1188.16	81.62			82	
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001		0.00	102.60	88.80	0002	5.00	102.60	88.80
0003		10.00	89.10	88.70	0004	15.00	97.70	88.50
0005		20.00	86.70	88.50	0006	25.00	96.30	88.30
0007		30.00	73.50	88.20	0008	35.00	77.80	88.10
0009		40.00	73.30	87.90	0010	45.00	79.80	87.60
0011		50.00	83.50	87.30	0012	55.00	69.00	86.90
0013		60.00	73.50	87.00				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVER	38203.87	20294.22	1187.16	2.00
0002		38203.85	20294.31	1182.73	6.86
0003	G	38203.86	20294.40	1178.69	1.23
0004		38203.83	20294.72	1166.12	23.91
0005	FA	38203.87	20295.08	1154.17	0.01
0006		38203.98	20295.61	1140.16	28.02
0007	JT	38204.17	20296.30	1126.17	0.01
0008	J	38204.26	20296.61	1119.92	12.50

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89515

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89515	38030.81	20289.23	1202.09	60.72				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	102.60	88.80	0002	5.00	102.60	88.80
0003	10.00	89.10	88.70	0004	15.00	97.70	88.50
0005	20.00	86.70	88.50	0006	25.00	96.30	88.30
0007	30.00	73.50	88.20	0008	35.00	77.80	88.10
0009	40.00	73.50	87.90	0010	45.00	79.80	87.60
0011	50.00	83.50	87.30	0012	55.00	69.00	86.90
0013	60.00	73.50	87.00				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVBN	38030.81	20289.25	1201.09	2.00
0002		38030.78	20289.38	1194.85	10.49
0003	G	38030.78	20289.52	1188.98	1.24
0004		38030.76	20289.93	1174.38	27.97
0005	J	38030.92	20290.58	1155.34	10.15

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89516, CATEGORY:78

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89516	37840.93	20279.00	1221.61	72.16			78	

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	99.90	88.20	0002	5.00	99.90	88.20
0003	10.00	90.00	88.00	0004	15.00	75.90	87.70
0005	20.00	65.10	87.80	0006	25.00	65.10	87.60
0007	30.00	67.50	87.60	0008	35.00	73.50	87.90
0009	40.00	71.70	87.80	0010	45.00	66.00	87.70
0011	50.00	71.60	87.70	0012	55.00	117.40	87.30
0013	60.00	181.50	87.80	0014	65.00	167.30	87.90
0015	70.00	72.20	88.20				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVER	37840.92	20279.03	1220.61	2.00
0002		37840.91	20279.11	1218.19	2.84
0003	E3U	37840.90	20279.18	1216.24	1.07
0004		37840.89	20279.25	1213.68	4.05
0005	E3L	37840.89	20279.34	1211.19	0.94
0006		37840.89	20279.38	1209.85	1.74
0007	E4	37840.90	20279.43	1208.52	0.91
0008		37840.91	20279.46	1207.75	0.63
0009	E4L	37840.91	20279.48	1207.35	0.18
0010		37840.96	20279.64	1202.93	8.67
0011	G	37841.04	20279.82	1198.13	0.93
0012		37841.22	20280.28	1185.83	23.70
0013	JT	37841.40	20280.71	1173.98	0.01
0014	J	37841.39	20281.02	1166.44	15.08
0015		37841.08	20281.12	1158.00	1.81
0016	COAL	37841.04	20281.13	1156.97	0.26
0017		37841.01	20281.15	1155.80	2.08
0018	COAL	37840.97	20281.18	1154.49	0.54

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89517, CATEGORY:78

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89517	37819.98	20179.16	1215.72	69.82			78	

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	258.30	45.80	0002	5.00	258.30	45.80
0003	10.00	259.60	46.50	0004	15.00	259.20	47.10
0005	20.00	259.40	47.40	0006	25.00	260.20	47.90
0007	30.00	259.20	48.30	0008	35.00	259.20	48.40
0009	40.00	260.00	49.00	0010	45.00	259.40	49.60
0011	50.00	259.20	50.20	0012	55.00	259.30	50.60
0013	60.00	259.50	50.80	0014	65.00	257.00	51.70

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVER	37819.86	20178.48	1215.00	2.00
0002		37818.71	20172.86	1209.07	14.50
0003	FA	37817.79	20167.98	1203.78	0.01
0004		37817.06	20164.03	1199.41	11.86
0005	G	37816.29	20159.74	1194.56	1.18

0006	37814.89	20152.20	1185.88	21.98
0007 JT	37813.58	20145.22	1177.49	0.01
0008 J	37813.11	20142.65	1174.31	8.22

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89518, CATEGORY:78

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89518	37819.72	20177.72	1215.88	102.76				78

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	156.60	89.60	0002	5.00	156.60	89.60
0003	10.00	161.00	89.40	0004	15.00	122.50	89.30
0005	20.00	114.00	89.30	0006	25.00	127.80	89.30
0007	30.00	132.40	89.40	0008	35.00	137.90	89.40
0009	40.00	123.40	89.30	0010	45.00	113.60	89.30
0011	50.00	103.10	89.40	0012	55.00	139.20	89.70
0013	60.00	199.90	89.70	0014	65.00	159.60	89.50
0015	70.00	112.50	89.30	0016	75.00	121.10	89.10
0017	80.00	120.50	89.20	0018	85.00	120.00	89.30
0019	90.00	135.20	89.30	0020	95.00	170.40	89.40
0021	100.00	173.60	89.50				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	37819.71	20177.72	1214.88	2.00
0002		37819.46	20177.99	1178.28	71.20
0003	JT	37819.25	20178.24	1142.68	0.01
0004	J	37819.18	20178.36	1132.98	19.39

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89519

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89519	37659.90	20174.63	1243.32	61.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	270.00	50.00	0002	5.00	270.00	50.00
0003	61.00	270.00	50.00				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		37659.90	20174.37	1243.01	0.80
0002	OVBN	37659.90	20173.73	1242.25	1.20
0003		37659.90	20169.93	1237.72	10.63
0004	G	37659.90	20166.14	1233.20	1.17
0005		37659.90	20157.20	1222.54	26.64
0006	J	37659.90	20146.11	1209.33	7.86

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89520, CATEGORY:76

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89520	37659.28	20175.83	1242.81	81.12				76

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	179.00	89.20	0002	5.00	179.00	89.20
0003	10.00	179.40	89.00	0004	15.00	161.70	89.10
0005	20.00	162.20	89.00	0006	25.00	165.80	88.70
0007	30.00	164.50	88.80	0008	35.00	167.20	88.70
0009	40.00	157.70	88.60	0010	45.00	149.20	88.50
0011	50.00	149.00	88.30	0012	55.00	163.90	88.60
0013	60.00	165.90	88.10	0014	65.00	163.00	88.00
0015	70.00	150.60	88.60	0016	75.00	146.00	87.50
0017	80.00	141.80	87.60				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	37659.28	20175.83	1241.81	2.00
0002		37659.24	20175.83	1240.10	1.43
0003	COAL	37659.23	20175.83	1239.21	0.35
0004		37659.22	20175.83	1238.47	1.12
0005	G	37659.21	20175.83	1237.64	0.55
0006		37659.08	20175.84	1229.59	15.55
0007	FA	37658.96	20175.88	1221.81	0.01
0008		37658.78	20175.93	1213.31	16.99
0009	FA	37658.60	20175.97	1204.81	0.01
0010		37658.41	20176.06	1196.89	15.83
0011	JT	37658.22	20176.18	1188.98	0.01
0012	J	37658.21	20176.18	1188.50	0.94
0013	FA	37658.19	20176.18	1188.03	0.01
0014		37658.15	20176.18	1186.48	3.09
0015	J	37657.87	20176.27	1177.39	15.09

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89521, CATEGORY:76

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89521	37661.05	20178.43	1242.69	102.82				76

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	56.40	74.70	0002	7.00	56.40	74.70

0003	12.00	61.90	74.60	0004	17.00	62.90	74.50
0005	22.00	63.40	74.90	0006	27.00	63.40	75.00
0007	32.00	63.70	74.90	0008	37.00	64.50	74.70
0009	42.00	68.30	75.10	0010	47.00	64.90	74.50
0011	52.00	65.60	74.90	0012	57.00	66.60	74.90
0013	62.00	66.40	75.20	0014	67.00	66.60	75.60
0015	72.00	67.50	75.60	0016	77.00	65.00	75.60
0017	82.00	70.10	75.50	0018	87.00	70.20	75.70
0019	92.00	69.80	75.40	0020	97.00	70.20	75.50
0021	102.82	69.30	75.40				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	37661.21	20178.65	1241.73	2.00
0002		37661.49	20179.09	1239.80	2.00
0003	G	37661.72	20179.45	1238.25	1.20
0004		37665.47	20186.53	1208.77	59.92
0005	JT	37668.62	20193.66	1179.83	0.01
0006	J	37670.15	20197.22	1164.74	31.15

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89522

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89522	38444.41	20358.09	1216.05	149.08				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	277.30	71.30	0002	5.00	277.30	71.30
0003	10.00	229.00	69.90	0004	15.00	231.90	69.40
0005	20.00	229.40	69.40	0006	25.00	231.90	69.30
0007	30.00	232.50	69.10	0008	35.00	233.30	69.20
0009	40.00	242.90	69.00	0010	45.00	237.50	67.10
0011	50.00	233.30	66.90	0012	55.00	239.70	66.90
0013	60.00	240.30	66.40	0014	65.00	241.10	66.30
0015	70.00	241.60	66.10	0016	75.00	240.10	66.20
0017	80.00	242.70	66.30	0018	85.00	244.30	66.10
0019	90.00	243.50	65.70	0020	95.00	242.90	65.40
0021	100.00	244.20	64.70	0022	105.00	243.10	64.40
0023	110.00	245.70	64.20	0024	115.00	244.80	64.40
0025	120.00	245.80	64.70	0026	125.00	245.50	64.80
0027	130.00	244.90	64.80	0028	135.00	247.90	64.50
0029	140.00	247.50	64.50	0030	145.00	244.30	64.90

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	38444.43	20357.93	1215.58	1.00
0002		38443.79	20354.61	1205.29	20.80
0003	COAL	38441.42	20351.72	1195.36	0.40
0004	CPRK	38441.15	20351.38	1194.19	2.10
0005	D3	38440.78	20350.90	1192.60	1.30
0006		38440.50	20350.55	1191.43	1.20
0007	D4	38440.31	20350.30	1190.59	0.60
0008		38439.96	20349.86	1189.10	2.60
0009	E0	38439.46	20349.18	1186.90	2.10
0010		38439.04	20348.64	1185.13	1.70
0011	E1	38438.67	20348.15	1183.49	1.80
0012	FA	38438.48	20347.89	1182.64	0.01
0013		38438.42	20347.80	1182.36	0.59
0014	CPRK	38437.22	20345.70	1176.12	12.80
0015		38435.53	20343.20	1168.97	2.73
0016	D3	38435.01	20342.45	1166.81	1.97
0017		38434.69	20341.93	1165.40	1.08
0018	D4	38434.39	20341.41	1164.01	1.95
0019		38434.12	20340.95	1162.75	0.79
0020	E0	38433.81	20340.41	1161.34	2.30
0021		38433.36	20339.62	1159.26	2.24
0022	E1	38432.78	20338.55	1156.46	3.87
0023		38432.32	20337.73	1154.34	0.75
0024	E2U	38432.14	20337.38	1153.43	1.24
0025		38431.96	20337.06	1152.60	0.58
0026	E2L	38431.74	20336.68	1151.61	1.58
0027		38431.53	20336.27	1150.55	0.75
0028	E3U	38431.14	20335.58	1148.78	3.12
0029		38430.32	20334.13	1145.02	5.10
0030	FA	38429.85	20333.22	1142.68	0.01
0031	E3U	38429.68	20332.91	1141.88	1.74
0032		38429.11	20331.78	1139.00	4.55
0033	E3L	38428.54	20330.59	1136.04	1.93
0034		38428.18	20329.82	1134.15	2.22
0035	E4	38427.96	20329.32	1132.93	0.45
0036		38426.68	20326.74	1126.63	13.40
0037	G	38425.35	20324.02	1120.22	0.79
0038		38422.55	20318.04	1106.47	29.71
0039	J	38419.29	20310.70	1089.45	7.93

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89523

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89523	38139.73	20398.43	1252.46	146.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	256.00	60.70	0002	5.00	256.00	60.70
0003	10.00	256.40	60.90	0004	15.00	259.00	60.90

0005	20.00	258.50	60.50	0006	25.00	255.80	60.40
0007	30.00	256.40	60.10	0008	35.00	257.40	60.00
0009	40.00	256.90	60.00	0010	146.00	253.80	60.40

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVBN	38139.67	20398.20	1252.02	1.00
0002		38138.89	20395.02	1246.18	12.40
0003	COAL	38138.14	20391.78	1240.22	1.25
0004		38138.03	20391.20	1239.16	1.17
0005	D3	38137.89	20390.49	1237.86	1.81
0006		38137.78	20389.91	1236.82	0.57
0007	D4	38137.67	20389.41	1235.91	1.52
0008		38137.54	20388.81	1234.82	0.98
0009	E0	38137.37	20387.99	1233.35	2.40
0010		38137.21	20387.25	1232.00	0.70
0011	E1	38136.80	20385.64	1229.09	6.00
0012		38136.39	20383.98	1226.10	0.90
0013	E2	38136.07	20382.63	1223.70	4.63
0014		38135.79	20381.40	1221.52	0.41
0015	E3U	38135.69	20380.96	1220.73	1.42
0016		38135.28	20379.16	1217.54	5.94
0017	E3L?	38134.64	20376.43	1212.67	5.30
0018		38134.05	20374.02	1208.34	4.70
0019	E4?	38133.41	20371.36	1203.62	6.20
0020	FA	38133.04	20369.86	1200.93	0.01
0021		38131.56	20363.91	1190.26	24.59
0022	D3	38129.91	20357.48	1178.69	2.10
0023		38129.71	20356.70	1177.27	1.17
0024	D4	38129.57	20356.16	1176.31	1.03
0025		38129.41	20355.56	1175.21	1.50
0026	E0	38129.18	20354.68	1173.61	2.20
0027		38128.99	20353.95	1172.30	0.81
0028	E1	38128.71	20352.86	1170.32	3.76
0029		38128.41	20351.75	1168.35	0.79
0030	E2	38128.16	20350.81	1166.64	3.14
0031		38127.93	20349.95	1165.08	0.45
0032	E3U	38127.78	20349.37	1164.03	1.97
0033		38127.14	20347.00	1159.73	7.93
0034	E3L	38126.55	20344.87	1155.86	0.98
0035		38126.37	20344.23	1154.69	1.72
0036	E4	38126.21	20343.64	1153.62	0.75
0037		38125.36	20340.59	1148.08	12.00
0038	G	38124.49	20337.48	1142.40	1.07

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89524

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89524	37830.96	20353.52	1264.72	155.52				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	117.20	89.10	0002	5.00	117.20	89.10
0003	10.00	104.40	89.20	0004	15.00	141.40	89.30
0005	20.00	147.00	89.30	0006	25.00	295.10	89.30
0007	30.00	327.90	89.00	0008	35.00	345.50	89.00
0009	40.00	326.20	88.50	0010	45.00	311.10	88.10
0011	50.00	311.40	87.70	0012	55.00	306.50	87.70
0013	60.00	303.80	87.90	0014	65.00	303.60	87.30
0015	70.00	297.00	87.20	0016	75.00	298.70	87.20
0017	80.00	291.90	87.20	0018	85.00	288.00	86.90
0019	90.00	291.40	87.50	0020	95.00	296.90	87.90
0021	100.00	296.40	87.70	0022	105.00	298.50	88.00
0023	110.00	303.10	88.10	0024	115.00	303.00	88.10
0025	120.00	303.10	87.90	0026	125.00	304.20	88.20
0027	130.00	312.00	87.90	0028	135.00	313.60	87.60
0029	140.00	314.50	87.50	0030	145.00	311.60	87.30
0031	150.00	307.10	87.00	0032	155.00	295.70	87.10

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVBN	37830.96	20353.55	1262.72	4.00
0002		37830.92	20353.59	1259.32	2.80
0003	D3	37830.90	20353.64	1256.22	3.40
0004		37830.89	20353.68	1253.02	3.00
0005	D4	37830.87	20353.70	1250.92	1.20
0006		37830.87	20353.71	1250.02	0.60
0007	E0	37830.85	20353.72	1248.82	1.80
0008		37830.85	20353.73	1247.67	0.50
0009	E1	37830.82	20353.74	1245.16	4.53
0010		37830.79	20353.74	1242.33	1.12
0011	E2	37830.80	20353.70	1237.34	8.87
0012		37830.87	20353.64	1232.23	1.35
0013	E3U	37830.90	20353.63	1230.41	2.28
0014		37831.00	20353.59	1225.40	7.74
0015	E3L	37831.10	20353.52	1220.80	1.48
0016		37831.14	20353.46	1219.04	2.03
0017	E4	37831.19	20353.40	1216.92	2.22
0018		37831.28	20353.30	1213.57	4.48
0019	FA	37831.35	20353.22	1211.09	0.48
0020	E2	37831.36	20353.20	1210.40	0.90
0021		37831.37	20353.18	1209.62	0.67
0022	E3U	37831.41	20353.13	1208.19	2.20
0023		37831.51	20352.98	1203.37	7.43
0024	E3L	37831.64	20352.78	1198.25	2.82

0025		37831.71	20352.68	1195.63	2.44
0026	E4	37831.74	20352.59	1193.73	1.37
0027		37831.78	20352.54	1192.57	0.95
0028	FA	37831.78	20352.52	1192.09	0.01
0029	E3L	37831.79	20352.50	1191.66	0.84
0030		37831.83	20352.43	1189.90	2.69
0031	E4	37831.89	20352.33	1187.71	1.70
0032		37832.03	20351.96	1179.90	13.94
0033	G	37832.14	20351.65	1172.77	0.33
0034		37832.41	20351.12	1156.62	31.99
0035	J	37832.97	20350.36	1129.87	21.54

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89526, CATEGORY:86

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89526	38608.51	20343.82	1177.40	124.44				86

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	269.30	65.40	0002	5.00	269.30	65.40
0003	10.00	269.30	65.40	0004	15.00	268.70	65.20
0005	20.00	269.90	65.30	0006	25.00	268.30	65.30
0007	30.00	270.20	65.20	0008	35.00	270.10	65.70
0009	40.00	271.60	66.10	0010	45.00	270.80	66.50
0011	50.00	269.20	66.50	0012	55.00	269.30	66.30
0013	60.00	269.40	66.00	0014	65.00	270.40	65.90
0015	70.00	270.30	65.40	0016	75.00	270.50	65.20
0017	80.00	268.30	64.70	0018	85.00	266.20	65.00
0019	90.00	267.70	65.10	0020	95.00	265.60	65.60
0021	100.00	270.20	65.80	0022	105.00	269.50	66.00
0023	110.00	269.00	66.20	0024	115.00	270.10	66.40
0025	120.00	267.20	66.90				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001		38608.50	20342.71	1174.98	5.33
0002	DT	38608.48	20341.61	1172.55	0.01
0003	D3	38608.48	20341.21	1171.71	1.84
0004		38608.47	20340.70	1170.58	0.64
0005	D4	38608.47	20340.28	1169.66	1.39
0006		38608.46	20339.72	1168.44	1.29
0007	E0	38608.46	20338.88	1166.61	2.73
0008		38608.43	20337.91	1164.51	1.90
0009	E1	38608.41	20336.62	1161.72	4.24
0010		38608.40	20335.37	1159.00	1.76
0011	E2	38608.40	20334.33	1156.74	3.22
0012		38608.37	20333.59	1155.12	0.33
0013	E3U	38608.35	20332.95	1153.74	2.72
0014		38608.36	20331.70	1151.00	3.32
0015	FA	38608.36	20330.99	1149.48	0.01
0016	E2	38608.36	20330.43	1148.26	2.67
0017		38608.36	20329.81	1146.89	0.35
0018	E3U	38608.35	20329.29	1145.75	2.15
0019		38608.35	20328.46	1143.90	1.90
0020	E3L	38608.36	20327.93	1142.69	0.76
0021		38608.40	20327.43	1141.59	1.64
0022	E4	38608.39	20327.04	1140.71	0.30
0023	FA	38608.39	20326.98	1140.56	0.01
0024		38608.41	20325.86	1137.99	5.61
0025	E3L	38608.42	20324.52	1134.92	1.08
0026		38608.42	20323.79	1133.26	2.55
0027	E4U	38608.41	20323.21	1131.93	0.34
0028	E4CONG	38608.40	20322.29	1129.82	4.28
0029	E4L	38608.39	20321.32	1127.60	0.57
0030		38608.36	20318.74	1121.79	12.14
0031	G	38608.37	20316.09	1115.87	0.82
0032		38608.23	20308.31	1099.12	36.12
0033	J	38607.92	20298.53	1077.48	11.39

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89527, CATEGORY:88

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89527	38800.17	20331.72	1103.92	121.70				88

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	227.80	88.90	0002	5.00	227.80	88.90
0003	10.00	159.70	88.70	0004	15.00	156.90	88.50
0005	20.00	165.00	88.30	0006	25.00	164.10	88.30
0007	30.00	173.70	88.20	0008	35.00	180.70	88.20
0009	40.00	177.50	88.30	0010	45.00	166.20	88.20
0011	50.00	150.40	87.90	0012	55.00	138.80	87.70
0013	60.00	155.60	88.00	0014	65.00	178.80	88.00
0015	70.00	190.70	87.90	0016	75.00	194.70	88.00
0017	80.00	201.20	87.40	0018	85.00	207.90	87.20
0019	90.00	214.00	86.80	0020	95.00	219.80	86.50
0021	100.00	226.10	86.10	0022	105.00	225.70	85.90
0023	110.00	225.90	85.90	0024	115.00	227.20	85.70
0025	120.00	224.80	85.90				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OVER	38800.15	20331.70	1102.42	3.00
0002		38800.12	20331.66	1099.75	2.35

0003	E0	38800.06	20331.62	1096.16	4.83
0004		38799.98	20331.64	1092.76	1.97
0005	E1	38799.89	20331.68	1088.95	5.65
0006		38799.79	20331.71	1084.88	2.50
0007	E2	38799.64	20331.75	1079.78	7.70
0008		38799.51	20331.78	1075.23	1.40
0009	E3U	38799.40	20331.79	1071.20	6.66
0010	FA	38799.28	20331.80	1067.87	0.01
0011		38799.28	20331.80	1067.56	0.61
0012	E2	38799.16	20331.80	1064.16	6.19
0013		38799.06	20331.81	1060.64	0.85
0014	E3U	38798.97	20331.83	1057.62	5.20
0015	FA	38798.90	20331.87	1055.01	0.01
0016		38798.87	20331.88	1054.59	0.84
0017	E3U	38798.80	20331.93	1052.31	3.72
0018		38798.67	20332.02	1048.21	4.49
0019	E3L	38798.58	20332.08	1045.26	1.42
0020		38798.53	20332.11	1043.55	1.99
0021	E4U	38798.49	20332.12	1042.37	0.38
0022	E4CONG	38798.33	20332.14	1037.96	8.44
0023	E4L	38798.18	20332.12	1033.62	0.25
0024		38798.17	20332.11	1033.30	0.39
0025	COAL	38798.15	20332.11	1032.99	0.23
0026		38797.94	20332.06	1026.92	11.91
0027	G	38797.68	20331.95	1020.57	0.81
0028		38797.24	20331.68	1010.83	18.70
0029	J	38796.58	20331.03	997.33	8.36

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89528, CATEGORY:90

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89528	39087.61	20182.09	993.85	39.44				90
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	139.70	88.60	0002	5.00	139.70	88.60	
0003	10.00	90.30	88.80	0004	15.00	105.30	89.00	
0005	20.00	109.40	89.00	0006	25.00	124.30	89.00	
0007	30.00	129.20	89.30	0008	35.00	108.40	89.30	
0009	40.00	167.00	89.60	0010	45.00	178.70	89.30	

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	39087.60	20182.11	993.35	1.00
0002		39087.48	20182.23	985.57	14.57
0003	J	39087.43	20182.43	974.59	7.39

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89529

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89529	39093.85	20080.30	975.25	33.32				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	154.40	89.40	0002	5.00	154.40	89.40	
0003	10.00	157.40	89.00	0004	15.00	151.20	88.40	
0005	20.00	142.70	87.80	0006	25.00	140.50	87.90	
0007	30.00	132.90	87.70					

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVBN	39093.85	20080.30	974.75	1.00
0002		39093.76	20080.34	966.97	14.57
0003	J	39093.53	20080.48	955.99	7.39

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89530

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89530	39183.24	20541.98	951.99	45.56				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	139.70	88.60	0002	5.00	139.70	88.60	
0003	10.00	90.30	88.80	0004	15.00	105.30	89.00	
0005	20.00	109.40	89.00	0006	25.00	124.30	89.00	
0007	30.00	129.20	89.30	0008	35.00	108.40	89.30	
0009	40.00	167.00	89.60	0010	45.00	178.70	89.30	

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		39183.10	20542.21	939.42	25.14
0002	J	39182.97	20542.48	920.97	11.78
0003		39182.93	20542.55	914.71	0.73
0004	COAL	39182.93	20542.55	914.16	0.38

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89531

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89531	39439.55	20998.22	852.63	52.70				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	



#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OVBN	39439.55	20998.22	851.88	1.50
0002		39439.55	20998.22	849.73	2.80
0003	E4L	39439.55	20998.22	848.18	0.30
0004		39439.55	20998.22	841.11	13.83
0005	G	39439.55	20998.22	833.85	0.71
0006		39439.55	20998.22	825.24	16.51
0007	J	39439.55	20998.22	813.29	7.38

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR89532, CATEGORY:94

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR89532	39471.35	21142.32	851.65	60.62				94

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	150.40	89.20	0002	5.00	150.40	89.20
0003	10.00	152.60	89.30	0004	15.00	109.70	89.20
0005	20.00	117.40	89.40	0006	25.00	124.00	89.40
0007	30.00	160.80	89.50	0008	35.00	216.40	89.80
0009	40.00	182.80	89.80	0010	45.00	219.50	89.80
0011	50.00	215.30	89.70	0012	55.00	2.40	89.60
0013	60.00	9.70	89.50				

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OVER	39471.36	21142.33	850.65	2.00
0002		39471.28	21142.36	845.60	8.10
0003	E4L	39471.23	21142.39	841.40	0.30
0004		39471.17	21142.48	832.60	17.30
0005	G	39471.12	21142.56	823.48	0.95
0006		39471.07	21142.56	814.53	16.95
0007	J	39471.03	21142.54	802.18	7.75

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94008, CATEGORY:76

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94008	37602.15	20093.38	1313.02	108.50				76

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	164.10	89.20	0002	20.00	164.10	89.20
0003	25.00	161.90	89.10	0004	30.00	179.50	89.00
0005	35.00	200.50	88.90	0006	40.00	195.40	88.90
0007	45.00	211.40	88.90	0008	50.00	219.00	88.90
0009	55.00	205.90	89.10	0010	60.00	194.60	89.20
0011	65.00	191.90	89.10	0012	70.00	170.60	89.20
0013	75.00	170.40	89.30	0014	80.00	159.30	89.30
0015	85.00	146.00	89.50	0016	90.00	152.40	89.50
0017	95.00	146.30	89.60	0018	108.50	163.60	89.70

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OBD	37602.15	20093.39	1311.52	3.00
0002	J1	37602.07	20093.40	1306.77	6.50
0003		37602.03	20093.43	1303.27	0.50
0004	J2	37602.01	20093.43	1302.42	1.20
0005		37602.00	20093.43	1301.52	0.60
0006	J3	37601.98	20093.43	1300.62	1.20
0007		37601.97	20093.43	1299.62	0.80
0008	J4	37601.96	20093.43	1299.07	0.30
0009		37601.67	20093.48	1279.97	37.90
0010	FA?	37601.35	20093.33	1260.98	0.10
0011		37601.25	20093.28	1254.03	13.80
0012	FA?	37601.15	20093.27	1247.08	0.10
0013		37601.01	20093.28	1236.43	21.20
0014	HG	37600.90	20093.32	1225.33	1.00
0015		37600.83	20093.37	1214.68	20.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94010, CATEGORY:77

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94010	37691.08	20092.97	1300.82	133.00				77

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	229.80	88.20	0002	10.00	229.80	88.20
0003	15.00	237.70	88.10	0004	20.00	239.40	87.70
0005	25.00	238.90	87.90	0006	30.00	245.20	87.90
0007	35.00	243.20	87.70	0008	40.00	242.50	87.00
0009	45.00	249.90	86.60	0010	50.00	249.70	86.50
0011	55.00	254.80	86.30	0012	60.00	255.10	86.10
0013	65.00	258.00	85.60	0014	70.00	251.00	84.60
0015	75.00	260.10	84.00	0016	80.00	264.40	83.60
0017	85.00	265.10	83.70	0018	90.00	265.50	83.60
0019	95.00	266.90	83.60	0020	100.00	267.80	83.50
0021	105.00	266.70	83.60	0022	110.00	268.20	82.90
0023	115.00	269.90	82.90	0024	120.00	272.50	82.80
0025	125.00	273.90	82.30	0026	133.00	271.90	82.00

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
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0001		37691.00	20092.87	1296.67	8.30
0002	J1/J2	37690.81	20092.64	1287.43	10.20
0003		37690.71	20092.48	1282.08	0.50
0004	J3	37690.69	20092.45	1281.03	1.60
0005		37690.30	20091.70	1260.30	39.90
0006	FT	37689.90	20090.52	1240.34	0.10
0007		37689.60	20089.27	1225.64	29.40
0008	HG	37689.43	20087.62	1210.64	0.80
0009		37689.31	20085.15	1189.28	42.20

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94011, CATEGORY:77

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94011	37674.29	20046.61	1308.54	123.00				77

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	121.30	89.20	0002	15.00	121.30	89.20
0003	20.00	121.30	88.70	0004	25.00	119.20	88.20
0005	30.00	110.50	87.80	0006	35.00	109.60	87.50
0007	40.00	105.60	87.40	0008	45.00	104.50	87.40
0009	50.00	104.90	87.40	0010	55.00	104.20	87.20
0011	60.00	104.50	86.90	0012	65.00	105.40	87.00
0013	70.00	107.70	87.10	0014	75.00	112.90	87.40
0015	80.00	114.50	87.60	0016	85.00	107.30	87.70
0017	90.00	104.40	88.00	0018	95.00	104.40	87.90
0019	100.00	101.60	87.80	0020	105.00	99.30	88.00
0021	110.00	99.00	88.10	0022	115.00	96.30	87.90
0023	123.00	87.70	87.90				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OB	37674.29	20046.62	1308.04	1.00
0002		37674.14	20046.86	1289.19	36.70
0003	HG	37673.89	20047.48	1270.50	0.70
0004		37673.85	20047.62	1267.36	5.60
0005	FT	37673.80	20047.74	1264.51	0.10
0006		37673.39	20049.20	1233.80	61.40
0007	FT	37673.06	20050.33	1203.07	0.10
0008		37673.01	20050.63	1194.33	17.40

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94012, CATEGORY:78

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94012	37790.15	20089.68	1273.36	111.50				78

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	212.10	89.70	0002	20.00	212.10	89.70
0003	25.00	222.60	89.70	0004	30.00	186.00	89.80
0005	35.00	149.50	89.70	0006	40.00	165.50	89.60
0007	45.00	176.60	89.50	0008	50.00	212.60	89.30
0009	55.00	229.90	89.10	0010	60.00	222.70	89.20
0011	65.00	226.70	89.00	0012	70.00	228.60	89.00
0013	75.00	231.90	88.90	0014	80.00	231.60	88.80
0015	85.00	235.30	88.80	0016	90.00	233.60	88.40
0017	95.00	237.70	88.00	0018	100.00	244.50	88.00
0019	111.50	243.00	87.90				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OB	37790.15	20089.68	1272.36	2.00
0002		37790.11	20089.66	1265.01	12.70
0003	J1	37790.07	20089.63	1254.26	8.80
0004		37790.05	20089.61	1249.51	0.70
0005	J2	37790.04	20089.61	1247.76	2.80
0006		37790.03	20089.61	1245.96	0.80
0007	J3	37790.03	20089.61	1244.16	2.80
0008		37789.90	20089.61	1224.66	36.20
0009	FA	37789.71	20089.43	1206.51	0.10
0010		37789.53	20089.20	1191.57	29.80
0011	HG	37789.28	20088.86	1176.27	0.80
0012		37789.17	20088.62	1168.88	14.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94013, CATEGORY:79

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94013	37922.80	20136.32	1206.27	170.00				79

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	105.20	89.00	0002	15.00	105.20	89.00
0003	20.00	128.50	88.50	0004	25.00	102.20	88.50
0005	30.00	102.40	88.50	0006	35.00	102.80	88.40
0007	40.00	107.30	88.60	0008	45.00	108.70	88.60
0009	50.00	116.00	88.80	0010	55.00	124.90	88.90
0011	60.00	126.60	89.00	0012	65.00	135.10	89.00
0013	70.00	139.70	89.20	0014	75.00	140.20	89.10
0015	80.00	142.10	89.10	0016	85.00	145.00	89.00
0017	90.00	147.60	89.10	0018	95.00	140.00	89.00
0019	100.00	136.80	89.00	0020	105.00	136.60	89.00
0021	110.00	136.50	88.90	0022	115.00	136.60	88.80

0023	120.00	140.70	88.90	0024	125.00	142.10	88.90
0025	130.00	146.70	88.90	0026	135.00	148.60	89.00
0027	140.00	152.30	89.00	0028	145.00	160.70	88.80
0029	150.00	171.30	89.00	0030	155.00	181.80	89.10
0031	160.00	174.70	89.00	0032	170.00	189.90	89.10

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	37922.79	20136.36	1204.77	3.00
0002		37922.76	20136.47	1197.57	11.40
0003	G	37922.73	20136.57	1191.17	1.40
0004		37922.58	20136.98	1173.88	33.20
0005	J1	37922.43	20137.43	1154.08	6.40
0006		37922.39	20137.49	1150.58	0.60
0007	J2	37922.40	20137.50	1149.78	1.00
0008		37922.37	20137.52	1148.88	0.80
0009	J3	37922.36	20137.53	1147.53	1.90
0010		37922.22	20137.68	1135.34	22.50
0011	FA	37922.08	20137.79	1124.04	0.10
0012		37922.03	20137.83	1119.39	9.20
0013	FA?	37921.96	20137.87	1114.74	0.10
0014		37921.76	20138.05	1099.49	30.40
0015	HG	37921.53	20138.27	1083.79	1.00
0016		37921.32	20138.40	1070.10	26.40
0017	FA?	37921.11	20138.49	1056.85	0.10
0018		37920.92	20138.50	1046.55	20.50

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94020, CATEGORY:81

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94020	38093.55	20186.70	1168.96	120.00				81

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	290.40	86.30	0002	20.00	290.40	86.30
0003	25.00	291.60	86.30	0004	30.00	278.30	86.30
0005	35.00	276.80	86.60	0006	40.00	280.10	86.60
0007	45.00	276.00	86.70	0008	50.00	278.40	86.70
0009	55.00	280.10	86.90	0010	60.00	270.30	87.20
0011	65.00	263.80	87.40	0012	70.00	272.80	87.40
0013	75.00	279.20	87.50	0014	80.00	278.40	87.40
0015	85.00	270.10	87.30	0016	90.00	268.40	87.20
0017	95.00	264.60	87.60	0018	100.00	258.20	87.80
0019	105.00	252.90	88.10	0020	110.00	247.70	88.10
0021	120.00	244.30	88.50				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38093.58	20186.61	1167.46	3.00
0002		38093.91	20185.73	1152.99	26.00
0003	FT	38094.19	20184.95	1139.97	0.10
0004		38094.21	20184.79	1137.58	4.70
0005	G	38094.23	20184.58	1134.18	2.10
0006		38094.30	20184.18	1127.24	11.80
0007	FT	38094.35	20183.83	1121.30	0.10
0008		38094.41	20183.36	1112.67	17.20
0009	FT	38094.41	20182.95	1104.03	0.10
0010		38094.43	20182.52	1094.54	18.90
0011	J1	38094.48	20181.83	1079.65	10.90
0012		38094.46	20181.58	1073.96	0.50
0013	J2	38094.46	20181.54	1073.01	1.40
0014		38094.46	20181.48	1071.46	1.70
0015	J3	38094.41	20181.32	1067.36	6.50
0016		38094.30	20180.99	1056.62	15.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94021, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94021	38193.36	20182.05	1150.19	115.00				82

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	85.00	88.80	0002	20.00	85.00	88.80
0003	25.00	85.00	88.70	0004	30.00	65.90	88.60
0005	35.00	72.40	88.40	0006	40.00	79.00	88.50
0007	45.00	86.50	88.40	0008	50.00	95.40	88.50
0009	55.00	99.20	88.30	0010	60.00	104.40	88.20
0011	65.00	112.40	88.40	0012	70.00	115.90	88.30
0013	75.00	119.20	88.40	0014	80.00	125.20	88.40
0015	85.00	119.10	88.20	0016	90.00	112.60	88.00
0017	95.00	110.70	87.70	0018	100.00	116.10	87.90
0019	105.00	124.10	88.00	0020	115.00	114.80	87.70

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38193.36	20182.07	1149.19	2.00
0002		38193.37	20182.13	1146.44	3.50
0003	E0	38193.37	20182.18	1143.94	1.50
0004		38193.37	20182.20	1142.94	0.50
0005	E1	38193.39	20182.22	1141.84	1.70
0006		38193.39	20182.25	1140.74	0.50
0007	E2	38193.39	20182.31	1137.49	6.00
0008		38193.39	20182.38	1134.24	0.50
0009	E3U	38193.39	20182.41	1132.84	2.30

0010	38193.40	20182.47	1129.94	3.50
0011 C	38193.40	20182.53	1127.10	2.20
0012	38193.41	20182.59	1124.60	2.80
0013 FT	38193.41	20182.62	1123.15	0.10
0014	38193.42	20182.64	1122.40	1.40
0015 C	38193.46	20182.73	1118.65	6.10
0016	38193.50	20182.86	1113.55	4.10
0017 C	38193.51	20182.93	1111.10	0.80
0018	38193.53	20183.16	1102.20	17.00
0019 G	38193.50	20183.43	1093.11	1.20
0020	38193.30	20183.90	1075.36	34.30
0021 J	38193.03	20184.43	1056.37	3.70
0022	38192.83	20184.81	1044.88	19.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94022, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94022	38204.66	20051.54	1146.30	125.00				82

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	285.40	89.60	0002	50.00	285.40	89.60
0003	55.00	294.00	89.30	0004	60.00	273.60	89.50
0005	65.00	268.20	89.60	0006	70.00	294.30	89.70
0007	75.00	321.80	89.70	0008	80.00	322.10	89.80
0009	85.00	250.20	89.70	0010	90.00	179.00	89.40
0011	95.00	154.30	88.70	0012	100.00	144.60	88.00
0013	105.00	141.90	87.30	0014	110.00	147.70	86.20
0015	115.00	157.20	84.60	0016	125.00	163.50	82.80

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38204.71	20051.40	1125.80	41.00
0002		38204.75	20051.23	1100.30	10.00
0003	J1	38204.76	20051.18	1092.70	5.20
0004		38204.78	20051.14	1089.80	0.60
0005	J2	38204.78	20051.12	1088.15	2.70
0006		38204.78	20051.11	1086.35	0.90
0007	J3	38204.78	20051.11	1085.60	0.60
0008		38204.83	20051.00	1063.55	43.50
0009	HG	38204.42	20051.20	1041.41	0.80
0010		38203.80	20051.55	1031.19	19.70

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94023, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94023	38177.71	20054.64	1150.04	90.00				82

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	245.90	67.40	0002	40.00	245.90	67.40
0003	45.00	247.80	63.10	0004	50.00	248.00	62.90
0005	55.00	248.10	62.70	0006	60.00	247.70	62.70
0007	65.00	248.30	62.90	0008	70.00	248.00	62.80
0009	75.00	248.50	62.80	0010	80.00	248.70	62.70
0011	90.00	245.30	62.90				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38175.75	20050.27	1138.50	25.00
0002		38172.53	20043.03	1119.48	16.20
0003	J1	38170.60	20038.65	1108.54	7.70
0004		38169.92	20036.96	1104.97	0.30
0005	J2	38169.81	20036.70	1104.39	1.00
0006		38169.67	20036.36	1103.68	0.60
0007	J3	38169.51	20035.95	1102.83	1.30
0008		38169.15	20035.06	1100.97	2.90
0009	FT	38168.89	20034.43	1099.63	0.10
0010		38166.61	20028.78	1087.81	26.50
0011	FT	38164.37	20023.12	1075.98	0.10
0012		38163.64	20021.36	1072.25	8.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94025, CATEGORY:83

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94025	38296.91	20063.75	1130.58	105.00				83

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	275.00	89.10	0002	55.00	275.00	89.10
0003	60.00	280.10	89.00	0004	65.00	280.00	89.00
0005	70.00	279.10	89.00	0006	75.00	269.00	89.10
0007	80.00	251.70	89.10	0008	85.00	245.60	89.10
0009	90.00	237.10	89.00	0010	95.00	228.90	88.80
0011	105.00	219.80	88.20				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38296.94	20063.45	1110.58	40.00
0002		38296.97	20063.09	1088.69	3.80
0003	FT	38296.97	20063.06	1086.74	0.10
0004		38297.00	20062.77	1068.24	36.90
0005	J1	38296.99	20062.41	1046.19	7.20

0006	38296.96	20062.36	1042.19	0.80
0007 J2	38296.96	20062.33	1040.59	2.40
0008	38296.93	20062.31	1039.24	0.30
0009 J3	38296.92	20062.29	1038.24	1.70
0010	38296.82	20062.18	1031.49	11.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94026, CATEGORY:83

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94026	38293.96	20062.14	1131.81	137.50				83

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	268.60	59.40	0002	55.00	268.60	59.40
0003	60.00	271.30	59.80	0004	65.00	267.80	60.10
0005	70.00	268.50	60.60	0006	75.00	267.20	61.00
0007	80.00	269.20	61.20	0008	85.00	268.60	61.60
0009	90.00	268.90	62.20	0010	95.00	268.60	62.50
0011	100.00	269.80	63.00	0012	105.00	273.40	63.00
0013	110.00	281.50	61.40	0014	115.00	281.40	59.40
0015	120.00	286.50	58.10	0016	125.00	290.10	56.80
0017	130.00	299.10	54.50	0018	137.50	298.10	52.80

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OB	38293.69	20050.95	1112.87	44.00
0002		38293.29	20031.45	1079.85	32.70
0003	C	38293.03	20022.84	1064.62	2.30
0004		38292.92	20017.77	1055.26	19.00
0005	FT	38292.85	20013.36	1046.79	0.10
0006		38292.85	20011.53	1043.23	7.90
0007	FT	38292.96	20009.72	1039.66	0.10
0008		38294.66	20002.02	1026.05	31.40

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94028, CATEGORY:83

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94028	38314.24	20006.29	1140.02	108.00				83

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	290.70	67.80	0002	40.00	290.70	67.80
0003	45.00	290.90	63.10	0004	50.00	291.40	63.00
0005	55.00	291.50	63.10	0006	60.00	292.10	63.20
0007	65.00	292.60	63.50	0008	70.00	292.90	63.60
0009	75.00	293.60	63.70	0010	80.00	294.10	63.80
0011	85.00	294.30	63.90	0012	90.00	294.40	64.10
0013	95.00	294.60	64.10	0014	100.00	294.90	64.40
0015	108.00	290.00	65.10				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OB	38315.91	20001.87	1128.45	25.00
0002		38318.05	19996.22	1113.63	7.00
0003	FT	38318.53	19994.96	1110.35	0.10
0004		38318.85	19994.08	1108.03	4.90
0005	FT	38319.19	19993.20	1105.72	0.10
0006		38324.98	19978.70	1073.84	70.90

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94029

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94029	38391.65	20032.07	1124.21	135.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	130.60	89.10	0002	35.00	130.60	89.10
0003	40.00	128.20	88.00	0004	45.00	128.50	87.80
0005	50.00	128.00	87.10	0006	55.00	127.00	86.60
0007	60.00	124.90	86.30	0008	65.00	123.20	86.10
0009	70.00	125.30	85.90	0010	75.00	127.60	85.40
0011	80.00	127.50	85.40	0012	85.00	127.00	85.50
0013	90.00	128.30	85.20	0014	95.00	126.60	85.10
0015	100.00	121.90	84.80	0016	105.00	120.60	84.00
0017	110.00	122.70	82.80	0018	115.00	127.50	81.50
0019	120.00	134.40	80.30	0020	125.00	134.60	79.40
0021	135.00	136.40	78.60				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OB	38391.51	20032.24	1110.21	28.00
0002		38391.26	20032.52	1087.21	18.00
0003	HG	38391.06	20032.78	1077.92	0.60
0004		38389.80	20034.52	1045.49	64.40
0005	J	38387.37	20037.89	1005.52	16.00
0006		38385.82	20039.45	993.73	8.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94030

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94030	38391.65	20032.07	1124.21	141.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	100.90	70.60	0002	45.00	100.90	70.60
0003	50.00	100.00	70.70	0004	55.00	101.50	70.50
0005	60.00	101.80	70.60	0006	65.00	102.00	70.70
0007	70.00	101.80	70.80	0008	80.00	101.40	70.60
0009	80.00	101.80	70.30	0010	85.00	101.80	70.00
0011	90.00	101.90	70.10	0012	95.00	101.50	70.20
0013	100.00	101.20	70.40	0014	105.00	100.30	69.40
0015	110.00	100.60	69.40	0016	115.00	101.40	69.40
0017	120.00	101.90	69.40	0018	125.00	106.30	67.50
0019	130.00	112.10	65.60	0020	141.00	117.60	63.40

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38390.65	20037.29	1109.12	32.00
0002		38389.11	20045.38	1085.73	17.60
0003	FA	38388.55	20048.27	1077.38	0.10
0004		38387.94	20051.31	1068.56	18.60
0005	FA	38387.30	20054.34	1059.74	0.10
0006		38386.90	20056.37	1053.79	12.50
0007	FA	38386.46	20058.43	1047.85	0.10
0008		38385.30	20064.07	1031.91	33.80
0009	J	38384.15	20070.15	1015.22	1.80
0010		38384.07	20070.48	1014.33	0.10
0011	FA	38384.06	20070.52	1014.24	0.10
0012		38383.68	20072.25	1009.56	9.90
0013	FA	38383.15	20074.07	1004.94	0.10
0014		38382.56	20075.62	1001.24	8.00
0015	G	38381.78	20077.36	997.17	1.00
0016		38381.19	20078.58	994.38	5.20

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94033

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94033	38492.36	20044.96	1095.85	127.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	94.90	89.00	0002	20.00	94.90	89.00
0003	25.00	118.10	88.30	0004	30.00	119.30	88.40
0005	35.00	115.60	88.30	0006	40.00	112.90	88.40
0007	45.00	108.10	88.30	0008	50.00	103.50	88.20
0009	55.00	208.80	82.20	0010	60.00	124.80	88.00
0011	65.00	154.10	87.90	0012	70.00	115.00	87.90
0013	75.00	114.70	87.60	0014	80.00	108.70	87.60
0015	85.00	102.10	87.40	0016	90.00	98.40	87.30
0017	95.00	95.60	86.70	0018	100.00	96.40	86.70
0019	105.00	94.70	86.30	0020	110.00	95.40	86.10
0021	115.00	96.80	85.90	0022	120.00	95.90	85.10
0023	125.00	91.60	85.20				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38492.35	20045.07	1089.35	13.00
0002		38492.28	20045.47	1068.96	27.80
0003	HG?	38492.11	20045.83	1054.86	0.40
0004		38492.08	20045.87	1053.61	2.10
0005	FA	38492.07	20045.90	1052.46	0.20
0006		38491.15	20046.31	1031.26	42.30
0007	J	38490.75	20047.20	1007.38	5.50
0008		38490.69	20047.73	997.39	14.50
0009	J	38490.64	20048.21	989.61	1.10
0010		38490.57	20048.95	979.04	20.10

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94037

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94037	38594.61	20032.30	1063.90	163.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	255.70	80.90	0002	30.00	255.70	80.90
0003	35.00	258.50	80.00	0004	40.00	259.50	80.00
0005	45.00	256.20	79.80	0006	50.00	258.30	79.90
0007	55.00	260.50	79.90	0008	60.00	260.30	80.40
0009	65.00	258.70	80.50	0010	70.00	263.80	80.70
0011	75.00	261.90	80.60	0012	80.00	262.00	80.80
0013	85.00	264.30	81.10	0014	90.00	265.00	81.40
0015	95.00	264.80	81.60	0016	100.00	268.40	82.00
0017	105.00	268.40	82.30	0018	110.00	267.30	82.50
0019	115.00	266.60	82.60	0020	120.00	267.80	82.30
0021	125.00	267.90	82.30	0022	130.00	269.10	82.30
0023	135.00	270.50	82.40	0024	140.00	274.00	82.60
0025	145.00	274.00	82.90	0026	150.00	276.10	83.30
0027	155.00	276.60	83.50	0028	163.00	273.50	84.00

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38594.22	20030.77	1054.03	20.00
0002		38593.69	20028.68	1040.55	7.30
0003	HG	38593.54	20028.09	1036.75	0.40
0004		38593.35	20027.33	1031.96	9.30
0005	FA	38593.19	20026.53	1027.33	0.10

0006		38593.08	20025.98	1024.18	6.30
0007	HG	38592.96	20025.39	1020.78	0.60
0008		38592.35	20022.28	1002.76	36.00
0009	FA	38591.92	20019.38	984.95	0.10
0010		38591.71	20017.15	970.32	29.50
0011	J	38591.53	20012.93	939.16	33.40
0012		38591.61	20010.27	918.73	7.80
0013	FA?	38591.66	20009.80	914.76	0.20
0014		38591.73	20009.12	908.70	12.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94038

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94038	38597.85	20031.66	1064.29	148.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	84.60	89.20	0002	30.00	84.60	89.20
0003	35.00	83.10	89.00	0004	40.00	84.60	88.60
0005	45.00	83.90	88.20	0006	50.00	81.80	88.00
0007	55.00	78.10	87.70	0008	60.00	79.60	87.50
0009	65.00	90.00	87.50	0010	70.00	100.20	87.30
0011	75.00	104.10	87.40	0012	80.00	106.10	87.20
0013	85.00	104.10	87.40	0014	90.00	101.30	87.40
0015	95.00	90.10	87.00	0016	100.00	85.80	86.90
0017	105.00	85.80	87.10	0018	110.00	85.30	87.30
0019	115.00	99.90	87.30	0020	120.00	97.50	87.30
0021	125.00	97.20	87.30	0022	130.00	94.40	87.00
0023	135.00	95.40	87.20	0024	140.00	97.00	87.10
0025	148.00	94.10	87.20				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38597.86	20031.81	1053.29	22.00
0002		38597.90	20031.97	1041.64	1.30
0003	HG	38597.90	20031.99	1040.64	0.70
0004		38597.90	20032.20	1027.34	25.90
0005	J	38597.96	20032.61	1013.70	1.40
0006		38598.04	20033.11	1001.41	23.20
0007	FA?	38597.97	20033.62	989.82	0.01
0008		38597.86	20034.11	979.18	21.29
0009	FA	38597.78	20034.61	968.50	0.10
0010		38597.81	20035.18	957.61	21.70
0011	J	38597.75	20036.00	939.98	13.60
0012		38597.68	20036.77	924.80	16.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94039, CATEGORY:87

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94039	38700.39	19955.98	1052.88	132.00			87	

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	73.70	64.70	0002	35.00	73.70	64.70
0003	40.00	73.00	57.60	0004	45.00	73.00	57.00
0005	50.00	73.30	56.70	0006	55.00	73.50	56.90
0007	60.00	73.40	57.20	0008	65.00	73.20	57.20
0009	70.00	73.40	57.00	0010	75.00	73.70	57.00
0011	80.00	73.60	56.60	0012	85.00	73.60	56.50
0013	90.00	73.90	56.80	0014	95.00	73.80	56.90
0015	100.00	74.10	56.90	0016	105.00	74.20	56.80
0017	110.00	74.50	56.50	0018	115.00	74.40	56.60
0019	120.00	74.30	56.30	0020	132.00	73.50	56.60

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38701.71	19960.49	1042.94	22.00
0002		38704.71	19970.77	1020.34	28.00
0003	FA	38706.90	19977.93	1008.45	0.10
0004		38707.91	19981.37	1002.92	13.10
0005	HG?	38708.99	19984.98	997.08	0.80
0006		38709.96	19988.18	991.92	11.50
0007	FA?	38710.86	19991.21	987.06	0.10
0008		38712.47	19996.77	978.29	20.90
0009	J	38714.31	20003.12	968.16	3.30
0010		38715.83	20008.46	959.67	17.00
0011	FA	38717.10	20013.03	952.49	0.20
0012		38718.25	20017.08	946.16	15.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94040, CATEGORY:87

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94040	38700.39	19955.98	1052.88	149.00			87	

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	77.40	74.30	0002	30.00	77.40	74.30
0003	35.00	77.30	66.90	0004	40.00	77.30	66.40
0005	45.00	77.90	65.90	0006	50.00	77.90	65.80
0007	55.00	78.40	66.00	0008	60.00	78.50	66.40
0009	65.00	78.50	66.70	0010	70.00	78.70	67.00
0011	75.00	78.80	67.00	0012	80.00	78.50	66.90
0013	85.00	78.60	66.40	0014	90.00	78.30	66.10

0015	95.00	78.50	66.00	0016	100.00	79.00	66.20
0017	105.00	79.20	66.50	0018	110.00	79.30	66.90
0019	115.00	79.40	67.10	0020	120.00	79.30	67.20
0021	125.00	78.90	67.10	0022	130.00	78.40	66.90
0023	135.00	77.60	67.10	0024	140.00	77.20	67.30
0025	149.00	78.30	67.90				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38701.04	19958.88	1042.29	22.00
0002		38703.73	19970.98	1006.72	53.50
0003	FT	38705.86	19981.45	982.14	0.10
0004		38706.56	19984.93	973.87	17.90
0005	FT	38707.29	19988.49	965.64	0.10
0006		38708.18	19993.04	955.12	22.90
0007	J1	38709.10	19997.91	943.48	2.40
0008		38709.19	19998.39	942.33	0.09
0009	FT	38709.19	19998.41	942.28	0.01
0010		38709.21	19998.41	942.27	0.01
0011	J1	38709.41	19999.52	939.60	5.79
0012		38709.72	20001.14	935.69	2.70
0013	J1	38710.16	20003.25	930.63	8.30
0014		38710.53	20004.93	926.58	0.50
0015	J2	38710.62	20005.37	925.47	1.90
0016		38710.71	20005.79	924.46	0.30
0017	J3	38710.79	20006.13	923.63	1.50

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94042

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94042	38812.21	19983.95	1032.73	97.62				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	24.40	88.30	0002	30.00	24.40	88.30
0003	35.00	23.50	87.10	0004	40.00	28.50	87.10
0005	45.00	18.40	87.00	0006	50.00	22.00	87.00
0007	55.00	355.40	87.00	0008	60.00	314.10	86.70
0009	65.00	25.90	86.30	0010	70.00	37.30	86.30
0011	75.00	35.20	86.20	0012	80.00	357.20	86.30
0013	85.00	249.80	87.30	0014	90.00	244.00	87.40
0015	97.62	264.10	87.70				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38812.51	19984.08	1021.73	22.00
0002		38813.01	19984.31	1002.99	15.50
0003	FA?	38813.33	19984.46	995.20	0.10
0004		38813.79	19984.66	985.41	19.50
0005	FA?	38814.29	19984.71	975.63	0.10
0006		38814.46	19984.59	971.83	7.50
0007	FA	38814.69	19984.58	968.04	0.10
0008		38814.87	19984.68	964.70	6.60
0009	J	38815.28	19984.96	957.31	8.20
0010		38815.61	19985.03	952.17	2.10
0011	J	38815.65	19984.98	950.83	0.60
0012		38815.61	19984.63	942.88	15.32

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94043

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94043	38809.36	19985.32	1032.73	151.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	94.00	69.60	0002	50.00	94.00	69.60
0003	55.00	94.80	59.90	0004	60.00	96.70	60.10
0005	65.00	96.00	60.90	0006	70.00	114.10	60.10
0007	75.00	93.80	60.50	0008	80.00	93.90	61.30
0009	85.00	93.90	62.30	0010	90.00	93.90	63.50
0011	95.00	92.50	64.40	0012	100.00	91.40	64.70
0013	105.00	91.60	64.90	0014	110.00	91.90	65.50
0015	115.00	91.40	66.50	0016	120.00	91.30	67.40
0017	125.00	91.20	68.30	0018	130.00	91.10	69.10
0019	135.00	90.50	69.80	0020	140.00	89.80	70.30
0021	151.00	89.20	71.30				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38808.85	19992.62	1013.05	42.00
0002		38808.21	20001.70	988.58	10.20
0003	J?	38808.06	20003.86	983.26	1.30
0004		38807.93	20005.34	980.54	4.90
0005	FA?	38807.81	20006.59	978.38	0.10
0006		38807.65	20007.89	976.08	5.20
0007	G	38807.49	20009.38	973.42	0.90
0008		38807.29	20010.68	971.07	4.50
0009	FA	38806.96	20011.77	969.07	0.10
0010		38806.03	20017.40	958.82	23.40
0011	J	38805.55	20025.87	941.83	14.60
0012		38805.26	20037.48	915.04	43.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94044



HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94044	38792.43	20401.82	1106.95	131.20				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	295.40	88.50	0002	20.00	295.40	88.50	
0003	25.00	294.90	88.20	0004	30.00	293.30	88.00	
0005	35.00	294.90	87.80	0006	40.00	294.10	87.30	
0007	45.00	287.10	86.40	0008	50.00	289.70	86.20	
0009	55.00	291.90	85.90	0010	60.00	289.60	85.70	
0011	65.00	296.40	85.90	0012	70.00	295.80	86.20	
0013	75.00	296.70	85.90	0014	80.00	297.30	85.70	
0015	85.00	299.70	85.80	0016	90.00	303.10	86.00	
0017	95.00	306.90	86.00	0018	100.00	308.50	86.20	
0019	105.00	312.70	86.60	0020	110.00	317.60	86.60	
0021	115.00	317.60	86.50	0022	120.00	319.90	86.10	
0023	125.00	320.20	85.80	0024	131.20	313.30	85.80	

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001		38792.54	20401.59	1097.20	19.50
0002	CPRK	38792.72	20401.21	1081.96	11.00
0003	D3	38792.81	20401.00	1075.01	2.90
0004		38792.86	20400.95	1073.01	1.10
0005	D4	38792.86	20400.90	1072.22	0.50
0006		38792.93	20400.75	1068.22	7.50
0007	E1	38793.01	20400.54	1063.97	1.00
0008		38793.03	20400.48	1062.78	1.40
0009	E1	38793.06	20400.40	1061.58	1.00
0010		38793.07	20400.36	1060.88	0.40
0011	E1	38793.08	20400.32	1060.13	1.10
0012		38793.10	20400.27	1059.18	0.80
0013	E1	38793.12	20400.22	1058.59	0.40
0014		38793.15	20400.18	1057.79	1.20
0015	E2	38793.18	20400.04	1055.74	2.90
0016		38793.22	20399.95	1054.15	0.30
0017	E3U	38793.24	20399.88	1053.25	1.50
0018		38793.31	20399.72	1050.80	3.40
0019	E3L	38793.36	20399.57	1048.66	0.90
0020		38793.39	20399.48	1047.46	1.50
0021	E4U	38793.42	20399.41	1046.47	0.50
0022		38793.60	20399.02	1040.43	11.60
0023	E4L	38793.78	20398.65	1034.50	0.30
0024	FA	38793.89	20398.43	1030.95	6.80
0025		38794.11	20398.04	1025.07	5.00
0026	E4L	38794.19	20397.86	1022.33	0.50
0027		38794.42	20397.50	1016.39	11.40
0028	G	38794.67	20397.16	1010.26	0.90
0029		38795.10	20396.66	999.73	20.20
0030	J	38795.76	20396.07	985.76	7.80
0031		38796.15	20395.75	978.92	5.90

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94045

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94045	38906.31	19993.20	1013.84	96.00				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	318.20	89.60	0002	15.00	318.20	89.60	
0003	20.00	318.90	89.40	0004	25.00	330.90	89.50	
0005	96.00	336.10	89.70					

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	0BD	38906.33	19993.18	1010.34	7.00
0002		38906.43	19993.09	992.74	28.20
0003	J	38906.54	19993.03	977.49	2.30
0004		38906.62	19992.99	966.04	20.60
0005	J	38906.71	19992.95	951.79	7.90
0006		38906.82	19992.89	932.84	30.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94048

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94048	38909.43	20279.45	1066.91	78.00				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	210.80	87.00	0002	20.00	210.80	87.00	
0003	25.00	210.20	86.40	0004	30.00	212.30	86.50	
0005	35.00	212.20	86.70	0006	40.00	215.20	86.20	
0007	45.00	226.20	86.50	0008	50.00	232.20	86.60	
0009	55.00	236.10	86.50	0010	60.00	232.60	86.40	
0011	65.00	230.10	86.20	0012	70.00	226.00	86.10	
0013	78.00	221.00	85.90					

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001		38909.31	20279.38	1064.16	5.50
0002	E4L	38909.15	20279.29	1060.77	1.30
0003		38908.78	20279.07	1052.58	15.10
0004	G	38908.40	20278.84	1044.29	1.50

0005	38907.71	20278.41	1030.77	25.60
0006 FA	38907.11	20277.88	1017.99	0.01
0007	38906.87	20277.55	1011.25	13.49
0008 J	38906.46	20277.02	1000.58	7.90

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94049, CATEGORY:90

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94049	38991.43	20591.86	1033.18	120.50				90

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	121.90	89.00	0002	15.00	121.90	89.00
0003	20.00	117.80	88.60	0004	25.00	122.20	88.70
0005	30.00	128.60	88.70	0006	35.00	137.00	88.90
0007	40.00	152.40	88.90	0008	45.00	176.90	89.00
0009	50.00	210.80	89.00	0010	55.00	225.20	89.00
0011	60.00	226.40	88.50	0012	65.00	228.50	87.70
0013	70.00	234.80	87.50	0014	75.00	234.00	87.60
0015	80.00	223.40	86.80	0016	85.00	234.60	87.00
0017	90.00	232.60	86.80	0018	95.00	230.50	86.70
0019	100.00	232.40	86.50	0020	105.00	234.50	86.10
0021	110.00	236.30	86.00	0022	120.50	236.80	85.60

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	CPRK	38991.36	20591.97	1026.08	14.20
0002		38991.30	20592.07	1018.98	0.81
0003	D3	38991.29	20592.09	1017.63	2.69
0004		38991.28	20592.12	1015.73	1.10
0005	D4	38991.26	20592.14	1014.78	0.80
0006		38991.23	20592.20	1012.08	4.60
0007	E0	38991.19	20592.27	1009.08	1.40
0008		38991.16	20592.31	1006.59	3.60
0009	E1	38991.14	20592.36	1004.49	0.60
0010		38991.12	20592.36	1003.69	1.00
0011	E2	38991.08	20592.40	1001.09	4.20
0012		38991.05	20592.45	998.89	0.20
0013	E3U	38991.03	20592.46	996.99	3.60
0014		38990.96	20592.50	993.19	4.00
0015	E3L	38990.92	20592.52	990.74	0.90
0016		38990.91	20592.52	990.24	0.10
0017	FT	38990.91	20592.52	990.14	0.10
0018		38990.91	20592.52	989.94	0.30
0019	E3L	38990.89	20592.52	989.09	1.40
0020		38990.87	20592.52	987.59	1.60
0021	E4U	38990.85	20592.52	986.54	0.50
0022		38990.75	20592.47	980.19	12.20
0023	E4L	38990.65	20592.38	973.74	0.70
0024		38990.46	20592.16	965.80	15.20
0025	G	38990.26	20591.87	957.55	1.30
0026		38989.76	20591.28	942.98	27.90
0027	J	38989.08	20590.37	924.81	8.50
0028		38988.75	20589.88	916.68	7.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94050

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94050	38995.86	19982.74	999.29	84.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	90.70	57.90	0002	30.00	90.70	57.90
0003	35.00	91.00	57.40	0004	40.00	92.60	57.10
0005	45.00	93.90	57.30	0006	50.00	92.70	57.10
0007	55.00	93.20	57.10	0008	60.00	94.80	57.20
0009	65.00	93.90	57.60	0010	70.00	93.60	57.70
0011	75.00	94.60	58.00	0012	84.00	93.20	59.10

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	OBD	38995.80	19987.93	991.03	19.50
0002		38995.65	19999.61	972.40	24.50
0003	J	38995.32	20007.63	959.90	5.20
0004		38995.04	20012.95	951.67	14.40
0005	J	38994.61	20018.70	942.66	7.00
0006		38994.23	20024.11	934.02	13.40

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94051

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94051	39097.90	20654.02	969.85	120.50				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	271.80	66.90	0002	20.00	271.80	66.90
0003	25.00	271.80	57.90	0004	30.00	272.30	58.30
0005	35.00	271.20	58.20	0006	40.00	271.20	57.50
0007	45.00	271.00	56.70	0008	50.00	270.40	56.30
0009	55.00	270.80	55.70	0010	60.00	270.80	54.80
0011	65.00	271.30	54.10	0012	70.00	271.70	53.70
0013	75.00	272.50	53.10	0014	80.00	272.60	52.30
0015	85.00	270.50	51.70	0016	90.00	271.40	51.10

0017	95.00	270.30	50.40	0018	100.00	268.70	49.70
0019	105.00	267.50	48.90	0020	110.00	267.70	48.30
0021	120.50	266.80	48.40				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		39097.99	20651.27	963.41	14.00
0002	FA	39098.07	20648.53	956.97	0.01
0003		39098.11	20647.45	954.44	5.49
0004	CPRK	39098.23	20643.43	946.41	12.50
0005	DT	39098.37	20639.48	940.04	2.50
0006		39098.42	20637.34	936.60	5.60
0007	E1	39098.46	20635.57	933.81	1.00
0008		39098.47	20634.93	932.81	1.40
0009	E1	39098.48	20634.38	931.97	0.60
0010		39098.49	20633.88	931.21	1.20
0011	E2	39098.51	20632.79	929.54	2.80
0012		39098.53	20631.96	928.29	0.20
0013	E3U	39098.53	20631.24	927.21	2.40
0014		39098.54	20629.46	924.55	4.00
0015	E3L	39098.56	20627.93	922.27	1.50
0016		39098.57	20627.02	920.95	1.70
0017	E4U	39098.58	20626.36	920.00	0.60
0018		39098.66	20621.84	913.65	15.00
0019	E4L	39098.79	20617.27	907.40	0.50
0020		39098.97	20613.18	902.02	13.00
0021	G	39099.07	20608.55	896.12	2.00
0022		39099.15	20602.32	888.49	17.70
0023	J	39098.89	20594.32	879.23	6.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94052, CATEGORY:91

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94052	39104.01	20711.43	958.57	142.00				91

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	340.40	89.40	0002	15.00	340.40	89.40
0003	20.00	360.00	89.20	0004	25.00	335.70	88.60
0005	30.00	329.30	87.90	0006	35.00	321.80	87.40
0007	40.00	315.80	86.80	0008	45.00	315.30	86.40
0009	50.00	318.40	86.50	0010	55.00	320.10	86.00
0011	60.00	322.00	85.70	0012	65.00	323.70	85.30
0013	70.00	325.00	84.90	0014	75.00	321.40	84.70
0015	80.00	324.80	84.90	0016	85.00	326.20	84.90
0017	90.00	320.70	84.90	0018	95.00	312.60	84.40
0019	100.00	320.30	84.00	0020	105.00	318.30	83.60
0021	110.00	316.30	83.10	0022	115.00	317.10	82.90
0023	120.00	315.70	82.90	0024	125.00	315.90	82.80
0025	130.00	316.40	82.90	0026	135.00	315.00	83.00
0027	142.00	308.70	83.10				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	0B	39104.03	20711.43	957.07	3.00
0002		39104.14	20711.39	945.82	19.50
0003	FT	39104.26	20711.36	936.02	0.10
0004		39104.55	20711.21	925.68	20.60
0005	CPRK	39105.08	20710.72	912.40	6.00
0006	D3	39105.30	20710.52	907.76	3.30
0007		39105.40	20710.43	905.61	1.00
0008	D4	39105.46	20710.39	904.76	0.70
0009		39105.50	20710.36	903.77	1.30
0010	E0	39105.61	20710.27	901.87	2.50
0011		39105.71	20710.18	900.12	1.00
0012	E1	39105.78	20710.13	899.08	1.10
0013		39105.81	20710.11	898.33	0.40
0014	E1	39105.90	20710.05	897.28	1.70
0015		39105.96	20709.99	895.94	1.00
0016	E2	39106.11	20709.89	893.99	2.90
0017		39106.21	20709.81	892.35	0.40
0018	E3U	39106.28	20709.75	891.20	1.90
0019		39106.47	20709.61	888.46	3.60
0020	E3L	39106.65	20709.48	886.27	0.80
0021		39106.71	20709.43	885.18	1.40
0022	E4U	39106.78	20709.37	884.38	0.20
0023		39107.25	20709.02	877.81	13.00
0024	E4L	39107.74	20708.68	871.13	0.40
0025		39108.22	20708.25	864.11	13.70
0026	G	39108.78	20707.74	856.80	1.00
0027		39109.26	20707.30	851.09	10.50
0028	FA	39109.72	20706.86	845.83	0.10
0029		39110.00	20706.61	842.80	6.00
0030	J	39110.61	20706.03	836.15	7.40

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94055

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94055	39283.92	20772.45	924.43	96.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	314.70	88.90	0002	15.00	314.70	88.90
0003	20.00	322.70	88.60	0004	25.00	316.40	88.40

0005	30.00	308.80	87.80	0006	35.00	309.70	87.30
0007	40.00	311.30	87.40	0008	45.00	310.30	87.30
0009	50.00	309.70	87.20	0010	55.00	308.70	86.80
0011	60.00	308.70	86.30	0012	65.00	310.00	86.10
0013	70.00	307.40	86.30	0014	75.00	308.20	86.10
0015	80.00	307.90	86.10	0016	85.00	303.10	85.90
0017	90.00	310.70	85.70	0018	96.00	301.60	85.60

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	CPRK	39283.99	20772.38	919.18	10.50
0002	D3	39284.08	20772.29	912.43	3.00
0003		39284.11	20772.27	910.48	0.90
0004	D4	39284.12	20772.25	909.73	0.60
0005		39284.17	20772.21	906.68	5.50
0006	E1	39284.23	20772.16	903.48	0.90
0007		39284.25	20772.14	902.23	1.60
0008	E1	39284.28	20772.12	901.19	0.50
0009		39284.29	20772.11	900.29	1.30
0010	E2	39284.33	20772.06	898.29	2.70
0011		39284.37	20772.02	896.69	0.50
0012	E3U	39284.40	20771.99	895.44	2.00
0013		39284.47	20771.90	892.39	4.10
0014	E3L	39284.55	20771.80	889.79	1.10
0015		39284.61	20771.75	888.39	1.70
0016	E4U	39284.62	20771.71	887.25	0.60
0017		39284.83	20771.47	880.25	13.40
0018	E4L	39285.05	20771.22	873.41	0.30
0019		39285.28	20770.93	866.67	13.20
0020	G	39285.58	20770.56	859.59	1.00
0021		39285.64	20770.48	858.09	2.00
0022	FA	39285.69	20770.43	857.04	0.10
0023		39285.96	20770.08	850.31	13.40
0024	J	39286.40	20769.49	839.73	7.80
0025		39286.74	20769.05	832.20	7.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94056, CATEGORY:93

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94056	39327.32	20653.72	895.09	50.00				93

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	267.30	89.20	0002	15.00	267.30	89.20
0003	20.00	267.60	88.60	0004	25.00	274.00	88.40
0005	30.00	278.00	88.20	0006	35.00	294.40	88.30
0007	40.00	298.90	88.40	0008	50.00	298.80	88.30

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OB	39327.32	20653.71	894.09	2.00
0002		39327.32	20653.68	891.59	3.00
0003	G	39327.32	20653.64	889.59	1.00
0004		39327.31	20653.53	881.34	15.50
0005	J	39327.31	20653.27	869.84	7.50
0006		39327.43	20652.87	855.60	21.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94062, CATEGORY:95

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94062	39503.47	20893.96	848.01	102.00				95

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	246.40	88.40	0002	30.00	246.40	88.40
0003	35.00	246.30	87.70	0004	40.00	248.50	87.70
0005	45.00	252.20	87.60	0006	50.00	257.00	87.50
0007	55.00	260.60	87.50	0008	60.00	270.90	87.50
0009	65.00	276.20	87.50	0010	70.00	281.00	87.40
0011	75.00	281.80	87.40	0012	80.00	277.70	87.40
0013	85.00	286.30	87.50	0014	90.00	287.00	87.40
0015	102.00	284.90	87.20				

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OB	39503.36	20893.72	838.51	19.00
0002		39503.15	20893.22	819.02	20.00
0003	FT	39503.00	20892.87	808.53	1.00
0004		39502.90	20892.59	801.53	13.00
0005	HG	39502.85	20892.31	794.84	0.40
0006		39502.93	20891.23	770.36	48.60

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94066, CATEGORY:96

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94066	39596.36	20643.81	838.02	69.00				96

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP

#	Seam	NORTHING	EASTING	ELEVTVN	LENGTH
0001	OB	39596.36	20643.81	825.02	26.00

0002 39596.36 20643.81 790.52 43.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94080, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94080	38204.66	20051.54	1146.30	121.30				82

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	78.70	73.80	0002	50.00	78.70	73.80
0003	55.00	98.00	62.30	0004	60.00	98.30	62.70
0005	65.00	98.80	63.20	0006	70.00	99.50	63.70
0007	75.00	99.90	64.30	0008	80.00	100.50	64.50
0009	85.00	101.80	64.80	0010	90.00	102.20	65.00
0011	95.00	101.80	65.00	0012	100.00	101.60	65.20
0013	105.00	101.50	65.50	0014	110.00	101.30	65.40
0015	115.00	101.00	65.40	0016	121.30	99.70	65.50

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38205.78	20057.15	1126.61	41.00
0002		38207.10	20063.73	1103.52	7.10
0003	J1	38207.44	20065.53	1097.28	5.90
0004		38207.46	20066.71	1094.42	0.30
0005	J2	38207.41	20067.07	1093.71	1.30
0006		38207.36	20067.46	1092.95	0.40
0007	J5	38207.30	20067.86	1092.20	1.30
0008		38206.39	20073.89	1080.16	25.70
0009	FT	38205.39	20079.39	1068.54	0.10
0010		38203.72	20087.30	1051.18	38.20

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94081

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94081	38293.96	20062.14	1131.81	167.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	76.30	61.70	0002	60.00	76.30	61.70
0003	65.00	78.20	61.30	0004	70.00	78.90	61.90
0005	75.00	79.00	62.60	0006	80.00	79.60	63.00
0007	85.00	79.60	63.40	0008	90.00	79.40	63.50
0009	95.00	79.90	63.50	0010	100.00	79.80	63.70
0011	105.00	80.50	63.30	0012	110.00	78.40	62.90
0013	115.00	78.70	62.70	0014	120.00	78.80	62.40
0015	125.00	78.90	61.70	0016	130.00	79.80	60.60
0017	135.00	82.40	58.90	0018	140.00	89.20	55.80
0019	145.00	98.40	54.90	0020	150.00	102.20	55.00
0021	155.00	104.90	54.10	0022	160.00	103.80	53.10
0023	167.00	105.20	52.90				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38296.71	20073.43	1110.24	49.00
0002		38300.54	20089.13	1080.21	19.20
0003	J	38301.60	20094.00	1071.03	1.70
0004	FA	38301.67	20094.39	1070.27	0.01
0005		38302.42	20098.24	1062.73	16.99
0006	FA	38303.11	20102.02	1055.14	0.01
0007		38304.23	20108.20	1042.52	28.19
0008	G	38305.53	20114.98	1028.93	2.30
0009	FA	38305.62	20115.50	1027.91	0.01
0010		38305.74	20116.09	1026.75	2.59
0011	G	38305.93	20117.05	1024.90	1.60
0012		38306.90	20122.23	1015.30	20.30
0013	J	38306.78	20131.22	1001.58	12.60

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94082, CATEGORY:81

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94082	38093.55	20186.70	1168.96	216.00				81

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	265.20	63.30	0002	20.00	265.20	63.30
0003	25.00	265.60	63.90	0004	30.00	265.30	64.10
0005	35.00	265.30	64.40	0006	40.00	265.00	64.50
0007	45.00	265.00	64.70	0008	50.00	264.50	65.20
0009	55.00	264.60	65.60	0010	60.00	265.30	65.80
0011	65.00	265.00	65.90	0012	70.00	264.80	66.20
0013	75.00	264.50	66.30	0014	80.00	264.70	66.30
0015	85.00	264.50	66.60	0016	90.00	265.00	66.90
0017	95.00	265.20	66.80	0018	100.00	266.80	66.50
0019	105.00	266.90	66.60	0020	110.00	268.40	66.20
0021	115.00	266.60	65.70	0022	120.00	267.60	65.60
0023	125.00	268.80	65.20	0024	130.00	268.20	64.90
0025	135.00	269.40	64.50	0026	140.00	271.10	64.10
0027	145.00	272.30	63.00	0028	150.00	273.30	61.20
0029	155.00	278.70	58.90	0030	160.00	282.60	56.00
0031	165.00	286.60	52.90	0032	170.00	286.80	51.40
0033	175.00	291.10	49.70	0034	180.00	292.30	48.20
0035	185.00	294.00	47.30	0036	190.00	293.50	46.70
0037	195.00	295.00	45.90	0038	200.00	295.90	44.40

0039 205.00 296.90 42.70 0040 210.00 297.60 41.80  
 0041 216.00 291.10 42.80

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38093.49	20186.03	1167.62	3.00
0002		38093.35	20184.33	1164.23	4.60
0003	C	38093.25	20183.14	1161.86	0.70
0004		38093.22	20182.83	1161.23	0.70
0005	C	38093.19	20182.40	1160.38	1.20
0006		38093.03	20180.54	1156.68	7.10
0007	C	38092.89	20178.70	1152.97	1.20
0008		38092.78	20177.36	1150.29	4.80
0009	C	38092.58	20174.93	1145.35	6.20
0010		38092.28	20171.22	1137.65	10.90
0011	G	38092.05	20168.63	1132.19	1.20
0012		38091.50	20162.70	1119.35	27.10
0013	FT	38091.03	20157.16	1106.94	0.10
0014		38090.96	20156.45	1105.29	3.50
0015	J1	38090.79	20154.74	1101.40	5.00
0016		38090.69	20153.64	1098.88	0.50
0017	J2	38090.67	20153.40	1098.34	0.70
0018		38090.64	20153.12	1097.69	0.70
0019	J3	38090.60	20152.70	1096.73	1.40
0020		38089.79	20141.58	1070.94	54.80
0021	HG	38089.41	20129.96	1045.64	0.90
0022		38093.42	20108.89	1011.80	79.70

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94083

HOLE # NORTH EAST ELVN LGTH SF1 SF2 RG'N CG  
 QMR94083 38189.23 20188.70 1152.14 127.00

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	276.40	65.20	0002	20.00	276.40	65.20
0003	25.00	275.90	65.50	0004	30.00	275.20	65.80
0005	35.00	274.30	66.10	0006	40.00	274.10	66.20
0007	45.00	272.90	66.20	0008	50.00	272.40	66.20
0009	55.00	272.00	66.10	0010	60.00	272.40	66.70
0011	65.00	272.30	67.00	0012	70.00	273.30	67.20
0013	75.00	273.80	67.50	0014	80.00	274.40	67.70
0015	85.00	275.20	68.10	0016	90.00	274.90	68.20
0017	95.00	274.90	68.30	0018	100.00	275.00	68.30
0019	105.00	274.00	68.50	0020	110.00	273.50	68.50
0021	115.00	272.90	68.40	0022	120.00	273.20	68.30
0023	127.00	269.70	69.10				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38189.32	20187.87	1150.32	4.00
0002		38189.42	20186.99	1148.42	0.20
0003	E2	38189.94	20182.34	1138.30	22.10
0004		38190.46	20177.61	1127.94	0.70
0005	FA	38190.47	20177.45	1127.57	0.10
0006		38190.53	20176.84	1126.20	2.90
0007	E3U	38190.71	20174.77	1121.55	7.30
0008		38190.87	20172.54	1116.52	3.70
0009	E3L	38190.93	20171.58	1114.32	1.10
0010		38190.98	20170.86	1112.68	2.50
0011	E4	38191.03	20169.88	1110.48	2.30
0012		38191.23	20164.77	1098.85	23.11
0013	G	38191.48	20159.46	1086.33	4.09
0014		38191.58	20158.02	1082.83	3.50
0015	FA	38191.64	20157.33	1081.16	0.10
0016		38191.76	20155.68	1077.14	8.60
0017	FA	38191.90	20154.06	1073.10	0.10
0018		38192.26	20149.87	1062.56	22.60
0019	J1	38192.64	20144.72	1049.49	5.50
0020		38192.69	20143.57	1046.57	0.80
0021	J2	38192.72	20143.12	1045.45	1.60
0022		38192.74	20142.74	1044.47	0.50
0023	J3	38192.78	20142.15	1043.00	2.67
0024		38192.85	20140.40	1038.53	6.93

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94084, CATEGORY:81

HOLE # NORTH EAST ELVN LGTH SF1 SF2 RG'N CG  
 QMR94084 38093.55 20186.70 1168.96 90.00 81

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	71.70	69.70	0002	15.00	71.70	69.70
0003	20.00	79.20	62.20	0004	25.00	79.40	62.30
0005	30.00	79.90	62.60	0006	35.00	80.70	63.10
0007	40.00	81.50	63.50	0008	45.00	81.90	63.80
0009	50.00	82.30	64.20	0010	55.00	82.60	64.60
0011	60.00	83.40	64.80	0012	65.00	86.90	64.80
0013	70.00	83.60	64.90	0014	75.00	84.10	65.00
0015	80.00	84.10	65.50	0016	95.00	84.00	66.50

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38093.66	20187.03	1168.02	2.00

0002	38095.69	20193.68	1150.25	36.20
0003 G	38097.23	20202.50	1132.87	2.90
0004	38097.80	20206.46	1124.75	15.20
0005 FT	38098.23	20209.73	1117.85	0.10
0006	38098.39	20210.95	1115.28	5.60
0007 FT	38098.50	20212.15	1112.70	0.10
0008	38098.60	20213.52	1109.80	6.30
0009 J	38098.87	20216.40	1103.60	7.40
0010	38099.33	20220.89	1093.79	14.20

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94085, CATEGORY:85

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94085	38484.25	20049.93	1096.35	175.00				85

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	266.80	60.50	0002	35.00	266.80	60.50
0003	40.00	267.20	60.90	0004	45.00	267.60	61.30
0005	50.00	267.50	61.50	0006	55.00	267.20	61.70
0007	60.00	268.70	61.70	0008	65.00	268.70	61.70
0009	70.00	269.90	62.00	0010	75.00	270.20	62.30
0011	80.00	270.00	62.50	0012	85.00	270.40	62.40
0013	90.00	272.40	62.50	0014	95.00	270.70	62.50
0015	100.00	271.70	62.10	0016	105.00	271.30	61.80
0017	110.00	272.30	61.60	0018	115.00	272.70	61.30
0019	120.00	272.70	61.20	0020	125.00	272.50	60.80
0021	130.00	273.00	60.60	0022	135.00	273.70	60.40
0023	140.00	272.80	60.50	0024	145.00	272.20	60.90
0025	150.00	272.70	61.00	0026	155.00	272.60	60.60
0027	160.00	270.70	61.00	0028	165.00	270.20	61.10
0029	170.00	271.50	61.00	0030	175.00	268.80	61.10

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OB	38483.99	20045.27	1088.08	19.00

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94086

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94086	38597.11	20034.89	1062.60	142.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	96.40	59.00	0002	30.00	96.40	59.00
0003	35.00	95.30	58.30	0004	40.00	94.50	57.60
0005	45.00	93.40	57.30	0006	50.00	96.00	56.90
0007	55.00	94.30	56.20	0008	60.00	94.20	55.60
0009	65.00	95.40	55.50	0010	70.00	94.40	55.00
0011	75.00	94.20	54.40	0012	80.00	95.10	54.40
0013	85.00	95.70	54.50	0014	90.00	95.60	54.50
0015	95.00	96.00	54.70	0016	100.00	96.80	55.20
0017	105.00	95.20	54.80	0018	110.00	95.90	54.90
0019	115.00	96.00	55.20	0020	120.00	96.60	55.40
0021	125.00	96.50	55.40	0022	130.00	96.60	55.60
0023	135.00	97.10	55.90	0024	142.00	96.10	56.70

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OBD	38596.48	20040.52	1053.17	22.00
0002		38595.26	20051.48	1034.83	20.80
0003	J?	38594.76	20057.70	1024.93	2.60
0004		38594.66	20059.07	1022.79	2.50
0005	COAL	38594.60	20059.91	1021.49	0.60
0006		38594.07	20066.02	1012.29	21.51
0007	COAL	38593.56	20072.13	1003.41	0.06
0008		38593.50	20072.93	1002.27	2.73
0009	COAL	38593.39	20074.47	1000.10	2.60
0010		38593.26	20076.09	997.82	3.00
0011	COAL	38593.15	20077.40	995.99	1.50
0012		38593.00	20079.02	993.72	4.10
0013	COAL	38592.81	20080.93	991.03	2.50
0014		38592.35	20085.55	984.52	13.50
0015	COAL	38591.89	20089.68	978.58	1.00
0016		38591.36	20095.03	970.93	17.70
0017	J	38590.58	20102.20	960.54	7.60
0018		38589.81	20108.74	950.93	15.70

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94087

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94087	38985.50	19981.97	1005.00	100.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	171.30	88.10	0002	20.00	171.30	88.10
0003	25.00	164.00	88.30	0004	30.00	151.50	88.40
0005	35.00	148.00	88.20	0006	40.00	140.50	88.10
0007	45.00	136.30	88.20	0008	50.00	134.40	88.00
0009	55.00	133.40	88.10	0010	60.00	130.40	88.20
0011	65.00	125.40	88.10	0012	70.00	120.30	88.10
0013	75.00	121.50	88.20	0014	80.00	130.70	88.90
0015	85.00	134.50	89.20	0016	90.00	141.10	89.40





QMR94091 37991.28 19711.65 1232.73 157.00

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	141.20	88.30	0002	15.00	141.20	88.30
0003	20.00	147.00	88.00	0004	25.00	138.80	88.20
0005	30.00	140.20	88.20	0006	35.00	138.10	88.40
0007	40.00	134.30	88.60	0008	45.00	135.40	89.10
0009	50.00	158.10	89.40	0010	55.00	182.10	89.50
0011	60.00	192.10	89.40	0012	65.00	204.30	89.20
0013	70.00	236.10	89.00	0014	75.00	238.30	89.00
0015	80.00	246.50	89.00	0016	85.00	247.10	89.20
0017	90.00	243.90	89.20	0018	95.00	247.50	89.20
0019	100.00	253.60	89.10	0020	105.00	261.70	89.20
0021	110.00	264.20	89.20	0022	115.00	277.30	89.20
0023	120.00	305.90	89.50	0024	125.00	316.00	89.40
0025	130.00	288.80	89.00	0026	135.00	289.40	89.20
0027	140.00	269.10	89.30	0028	157.00	248.20	89.50

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		37991.18	19711.73	1228.23	9.00
0002	COAL	37991.04	19711.86	1222.18	3.10
0003		37990.64	19712.15	1206.39	28.50
0004	FA	37990.36	19712.43	1192.10	0.10
0005		37990.36	19712.43	1192.00	0.10
0006	J2	37990.31	19712.45	1190.25	3.40
0007		37990.21	19712.52	1181.10	14.90
0008	FA	37990.14	19712.52	1173.60	0.10
0009		37990.14	19712.52	1173.50	0.10
0010	J2	37990.14	19712.52	1173.00	0.90
0011		37989.80	19711.90	1124.16	96.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94092

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94092	38087.98	19741.39	1223.76	123.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
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#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38087.98	19741.39	1209.76	28.00
0002	J	38087.98	19741.39	1193.71	4.10
0003		38087.98	19741.39	1185.46	12.40
0004	FA	38087.98	19741.39	1179.21	0.10
0005		38087.98	19741.39	1177.21	3.90
0006	J	38087.98	19741.39	1173.36	3.80
0007		38087.98	19741.39	1164.36	14.20
0008	FA	38087.98	19741.39	1157.21	0.10
0009		38087.98	19741.39	1156.21	1.90
0010	J	38087.98	19741.39	1152.91	4.70
0011		38087.98	19741.39	1125.66	49.80

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94093

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94093	38087.98	19741.39	1223.76	185.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
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0001	0.00	99.70	60.20	0002	20.00	99.70	60.20
0003	25.00	99.10	60.40	0004	30.00	98.70	60.60
0005	35.00	99.10	60.70	0006	40.00	99.20	60.70
0007	45.00	99.60	61.10	0008	50.00	98.70	61.10
0009	55.00	100.10	60.80	0010	60.00	100.20	60.80
0011	65.00	100.60	60.70	0012	70.00	99.70	60.80
0013	75.00	101.10	60.50	0014	80.00	100.60	60.80
0015	85.00	100.50	61.10	0016	90.00	100.60	61.20
0017	95.00	100.00	61.40	0018	100.00	99.50	61.50
0019	105.00	99.10	61.10	0020	110.00	99.70	60.30
0021	115.00	99.60	59.70	0022	120.00	97.50	58.60
0023	125.00	103.00	58.70	0024	130.00	102.20	57.90
0025	135.00	103.60	58.40	0026	140.00	103.20	58.40
0027	145.00	104.20	58.90	0028	150.00	104.20	59.10
0029	155.00	104.40	59.70	0030	160.00	104.40	60.10
0031	165.00	105.30	60.50	0032	170.00	105.50	60.90
0033	175.00	106.00	61.30	0034	185.00	105.10	62.10

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38087.03	19746.97	1213.87	22.80
0002	J1	38085.53	19756.08	1197.66	14.50
0003		38084.64	19761.62	1187.68	8.40
0004	COAL	38084.21	19764.18	1183.00	2.30
0005		38082.89	19771.82	1169.06	29.60
0006	COAL	38081.50	19779.38	1155.37	1.80
0007		38076.76	19805.65	1108.80	105.60

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94094

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
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QMR94094 38148.96 19771.75 1223.15 163.00

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	87.10	70.80	0002	15.00	87.10	70.80
0003	20.00	88.80	61.40	0004	25.00	90.20	61.60
0005	30.00	92.60	61.60	0006	35.00	105.10	60.80
0007	40.00	102.80	60.60	0008	45.00	94.30	60.80
0009	50.00	97.00	61.50	0010	55.00	92.40	61.20
0011	60.00	95.20	61.70	0012	65.00	95.10	61.80
0013	70.00	95.40	62.40	0014	75.00	95.80	63.10
0015	80.00	96.40	63.30	0016	85.00	97.10	63.80
0017	90.00	97.60	64.20	0018	95.00	98.10	64.30
0019	100.00	97.90	64.20	0020	105.00	98.70	63.90
0021	110.00	98.80	64.30	0022	115.00	99.60	64.70
0023	120.00	99.80	65.20	0024	125.00	99.10	65.20
0025	130.00	99.90	65.50	0026	135.00	99.50	65.60
0027	140.00	99.90	66.10	0028	145.00	101.00	66.80
0029	150.00	100.60	66.90	0030	155.00	100.60	67.30
0031	163.00	98.60	67.10				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38149.04	19773.36	1218.52	9.80
0002	COAL?	38149.16	19775.63	1212.01	4.00
0003		38148.67	19786.48	1190.13	45.00
0004	HG	38147.35	19797.43	1170.12	0.70
0005		38144.53	19820.54	1123.53	103.50

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94095

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94095	38148.96	19771.75	1223.15	188.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	194.80	89.30	0002	15.00	194.80	89.30
0003	20.00	183.90	89.50	0004	25.00	158.60	89.40
0005	30.00	120.70	89.40	0006	35.00	120.90	89.50
0007	40.00	223.40	89.50	0008	45.00	347.20	89.30
0009	50.00	353.50	88.70	0010	55.00	342.70	88.00
0011	60.00	339.00	87.70	0012	65.00	356.10	88.10
0013	70.00	352.50	87.90	0014	75.00	349.10	88.10
0015	80.00	347.20	88.30	0016	85.00	350.80	88.40
0017	90.00	352.00	88.50	0018	95.00	344.40	88.40
0019	100.00	353.10	88.40	0020	105.00	355.90	88.80
0021	110.00	353.70	88.60	0022	115.00	358.40	88.70
0023	120.00	357.80	88.70	0024	125.00	355.90	88.80
0025	130.00	356.40	88.30	0026	135.00	314.30	88.60
0027	140.00	312.60	88.60	0028	145.00	331.30	88.30
0029	150.00	357.00	87.70	0030	155.00	351.70	87.80
0031	160.00	352.20	87.70	0032	165.00	352.20	87.70
0033	170.00	353.30	87.70	0034	175.00	358.00	87.50
0035	180.00	357.10	87.60	0036	185.00	357.80	87.50

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38148.89	19771.73	1216.50	13.30
0002	COAL	38148.79	19771.70	1208.45	2.80
0003		38148.71	19771.70	1201.00	12.10
0004	J1	38148.62	19771.78	1187.45	15.00
0005		38149.03	19771.63	1162.96	34.00
0006	J	38149.74	19771.50	1141.32	9.30
0007		38151.10	19771.27	1085.94	101.50

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94096

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94096	38148.96	19771.75	1223.15	157.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	262.70	62.40	0002	10.00	262.70	62.40
0003	15.00	264.50	62.90	0004	20.00	264.00	63.40
0005	25.00	265.50	63.50	0006	30.00	264.60	64.20
0007	35.00	264.80	64.90	0008	40.00	268.20	65.20
0009	45.00	268.40	65.40	0010	50.00	267.40	65.20
0011	55.00	268.00	65.50	0012	60.00	270.30	65.50
0013	65.00	273.00	65.90	0014	70.00	271.00	65.80
0015	75.00	275.20	67.10	0016	80.00	277.50	67.20
0017	85.00	276.80	67.90	0018	90.00	276.40	68.50
0019	95.00	276.80	68.10	0020	100.00	278.70	69.20
0021	105.00	279.50	69.80	0022	110.00	280.20	70.20
0023	115.00	280.40	70.90	0024	120.00	280.50	71.50
0025	125.00	281.20	72.10	0026	130.00	281.10	72.30
0027	135.00	282.90	72.40	0028	140.00	284.00	72.50
0029	145.00	287.40	72.80	0030	157.00	284.50	73.20

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38148.14	19764.95	1209.98	29.70
0002	G	38147.47	19757.82	1195.56	2.50
0003		38147.21	19754.22	1187.86	14.50
0004	J2?	38147.10	19750.52	1179.77	3.30

0005	FA	38147.05	19749.59	1177.77	1.10
0006		38146.97	19747.16	1172.45	10.60
0007	J1	38147.05	19743.33	1163.98	8.00
0008		38147.11	19741.39	1159.65	1.50
0009	J2	38147.15	19740.46	1157.54	3.10
0010		38149.28	19725.07	1117.56	82.70

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94097

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94097	38153.50	19800.59	1226.79	154.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	325.40	89.40	0002	10.00	325.40	89.40
0003	15.00	330.90	88.70	0004	20.00	330.00	89.10
0005	25.00	335.10	89.20	0006	30.00	338.00	89.10
0007	35.00	339.40	88.90	0008	40.00	344.70	88.40
0009	45.00	340.20	88.60	0010	50.00	330.70	87.70
0011	55.00	320.10	87.90	0012	60.00	316.70	88.10
0013	65.00	314.70	87.90	0014	70.00	314.60	88.10
0015	75.00	324.00	88.50	0016	80.00	338.00	88.80
0017	85.00	355.60	88.70	0018	90.00	354.90	88.70
0019	95.00	333.70	88.60	0020	100.00	326.30	88.50
0021	105.00	315.00	88.20	0022	110.00	296.30	87.90
0023	115.00	296.40	88.30	0024	120.00	292.70	88.00
0025	125.00	296.80	87.40	0026	130.00	286.90	86.70
0027	135.00	286.30	86.90	0028	140.00	286.60	86.80
0029	145.00	288.50	86.90	0030	154.00	285.00	87.20

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001		38154.85	19799.77	1158.11	137.40
0002	HG	38156.19	19798.06	1088.81	1.30
0003		38156.32	19797.63	1080.52	15.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94098

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94098	38148.58	19763.43	1222.59	87.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	264.30	60.40	0002	15.00	264.30	60.40
0003	20.00	264.80	60.20	0004	25.00	267.90	60.30
0005	30.00	262.50	60.40	0006	35.00	267.20	61.00
0007	40.00	268.80	60.80	0008	45.00	268.00	60.90
0009	50.00	268.00	61.00	0010	55.00	268.60	62.00
0011	60.00	272.30	62.80	0012	65.00	272.80	63.60
0013	70.00	272.80	64.70	0014	80.00	270.80	66.90
0015	87.00	271.10	66.00				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001		38148.26	19760.24	1216.94	13.00
0002	J	38147.85	19755.98	1209.42	4.30
0003	FA	38147.73	19754.90	1207.51	0.10
0004		38147.46	19751.09	1200.82	15.30
0005	J	38147.01	19745.81	1191.41	6.30
0006	FA	38146.96	19744.25	1188.62	0.10
0007		38146.81	19739.22	1179.58	20.60
0008	J	38146.81	19733.02	1167.81	6.00
0009		38147.06	19727.20	1155.47	21.30

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMR94099

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMR94099	38104.79	20075.80	1156.56	120.00				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	99.30	67.50	0002	50.00	99.30	67.50
0003	55.00	100.10	61.80	0004	60.00	99.30	62.40
0005	65.00	100.00	63.40	0006	70.00	99.70	64.10
0007	75.00	99.00	64.60	0008	80.00	100.10	65.10
0009	85.00	100.10	66.00	0010	90.00	100.40	66.70
0011	95.00	100.40	67.70	0012	100.00	100.50	68.60
0013	105.00	100.20	69.40	0014	110.00	98.00	69.60
0015	120.00	98.80	69.80				

#	Seam	NORTHING	EASTING	ELEVTH	LENGTH
0001	0BD	38103.53	20083.54	1137.62	41.00
0002		38100.71	20100.48	1098.78	44.00
0003	HG?	38099.10	20109.88	1078.73	0.40
0004		38097.89	20116.45	1062.56	34.60

## **APPENDIX-A3**

**DETAILED DIAMOND DRILL DATA**

MESA EXTENSION EXPLORATION DIAMOND DRILL HOLE SUMMARY

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD88003, CATEGORY:82

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD88003	38214.33	20499.15	1302.30	232.20				82

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	270.00	60.20	0002	5.00	270.00	60.20
0003	10.00	270.00	60.00	0004	15.00	270.00	60.20
0005	20.00	270.00	60.30	0006	25.00	270.00	60.60
0007	30.00	270.00	60.60	0008	35.00	270.00	60.90
0009	40.00	270.00	60.70	0010	45.00	270.00	60.70
0011	50.00	270.00	60.50	0012	55.00	270.00	60.70
0013	60.00	270.00	60.70	0014	65.00	270.00	60.70
0015	70.00	270.00	60.90	0016	75.00	270.00	61.10
0017	80.00	270.00	61.20	0018	85.00	270.00	61.40
0019	90.00	270.00	61.40	0020	95.00	270.00	61.30
0021	100.00	270.00	61.10	0022	105.00	270.00	60.90
0023	110.00	270.00	61.00	0024	115.00	270.00	60.90
0025	120.00	270.00	61.00	0026	125.00	270.00	61.20
0027	130.00	270.00	61.30	0028	135.00	270.00	61.30
0029	140.00	270.00	61.30	0030	145.00	270.00	61.90
0031	232.00	270.00	61.90				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	38214.33	20498.40	1301.00	3.00
0002	HUL	38214.33	20492.43	1290.59	21.00
0003		38214.33	20476.05	1261.55	45.69
0004	B	38214.33	20464.70	1241.33	0.69
0005		38214.33	20438.49	1193.78	107.89
0006	CPRK	38214.33	20412.82	1146.10	0.41
0007	D3	38214.33	20412.36	1145.25	1.53
0008		38214.33	20411.68	1143.97	1.36
0009	D4	38214.33	20411.11	1142.90	1.07
0010		38214.33	20410.43	1141.62	1.84
0011	FA	38214.33	20409.87	1140.58	0.52
0012	CPRK	38214.33	20409.66	1140.18	0.38
0013	D3	38214.33	20409.06	1139.07	2.14
0014		38214.33	20408.12	1137.29	1.88
0015	D4	38214.33	20407.45	1136.03	0.98
0016		38214.33	20405.95	1133.24	5.36
0017	E1	38214.33	20403.83	1129.27	3.64
0018		38214.33	20402.93	1127.59	0.17
0019	FA	38214.33	20402.89	1127.51	0.01
0020	E1	38214.33	20400.98	1123.93	8.10
0021		38214.33	20398.90	1120.03	0.74
0022	E2	38214.33	20397.86	1118.09	3.67
0023		38214.33	20396.88	1116.25	0.50
0024	E3U	38214.33	20396.45	1115.45	1.30
0025	FA	38214.33	20396.15	1114.88	0.01
0026	E2	38214.33	20395.48	1113.63	2.81
0027		38214.33	20394.79	1112.33	0.14
0028	E3U	38214.33	20394.36	1111.51	1.73
0029		38214.33	20393.12	1109.21	3.48
0030	E3L	38214.33	20392.04	1107.19	1.10
0031		38214.33	20391.34	1105.88	1.86
0032	E4	38214.33	20390.82	1104.91	0.35

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD89501, CATEGORY:92

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD89501	39211.75	20974.82	947.17	172.50				92

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	179.70	87.60	0002	5.00	179.70	87.60
0003	10.00	157.50	87.90	0004	15.00	161.70	87.80
0005	20.00	160.90	88.00	0006	25.00	162.60	88.20
0007	30.00	160.70	88.30	0008	35.00	158.30	88.40
0009	40.00	158.20	88.40	0010	45.00	158.90	88.50
0011	50.00	166.50	88.50	0012	55.00	157.60	88.10
0013	60.00	155.60	88.10	0014	65.00	156.30	88.30
0015	70.00	157.10	88.40	0016	75.00	158.40	88.40
0017	80.00	158.20	88.50	0018	85.00	158.40	88.60
0019	90.00	160.00	88.80	0020	95.00	164.80	88.80
0021	100.00	168.80	88.90	0022	105.00	173.80	89.00
0023	110.00	177.50	88.90	0024	115.00	182.80	89.00
0025	120.00	206.60	89.30	0026	125.00	223.50	89.40
0027	130.00	204.70	89.00	0028	135.00	206.80	89.00
0029	140.00	228.20	89.30	0030	145.00	230.40	89.30
0031	150.00	238.30	89.20	0032	155.00	245.40	89.20
0033	160.00	245.90	89.00	0034	165.00	231.50	88.80
0035	170.00	225.00	88.80				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	39211.71	20974.82	946.17	2.00
0002		39211.35	20974.86	937.02	16.32
0003	B	39211.04	20974.97	928.16	1.41
0004		39210.36	20975.22	903.13	48.67
0005	CPRK	39209.46	20975.58	869.96	17.70

0006 DT	39209.23	20975.66	860.83	0.57
0007 D3	39209.21	20975.67	859.49	2.11
0008	39209.18	20975.68	858.27	0.33
0009 D4U	39209.18	20975.68	858.02	0.16
0010	39209.17	20975.68	857.78	0.33
0011 D4	39209.16	20975.69	857.26	0.70
0012	39209.14	20975.69	856.30	1.23
0013 E0	39209.11	20975.70	854.63	2.10
0014	39209.08	20975.71	852.90	1.37
0015 E1	39209.04	20975.73	850.90	2.63
0016	39209.00	20975.73	849.09	0.99
0017 E2	39208.97	20975.74	847.23	2.73
0018	39208.94	20975.75	845.67	0.40
0019 E3U	39208.92	20975.75	844.62	1.69
0020	39208.87	20975.75	841.82	3.91
0021 E3L	39208.83	20975.76	839.50	0.74
0022	39208.80	20975.76	838.07	2.11
0023 E4	39208.78	20975.76	836.84	0.35
0024	39208.61	20975.72	823.48	26.37
0025 G	39208.41	20975.61	809.88	0.84
0026	39208.33	20975.53	800.82	17.29
0027 J	39208.25	20975.37	788.45	7.45

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD89502, CATEGORY:86

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD89502	38607.44	20490.78	1154.09	218.88				86

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	265.20	59.50	0002	5.00	265.20	59.50
0003	10.00	265.20	59.90	0004	15.00	266.60	59.90
0005	20.00	267.80	60.00	0006	25.00	268.20	60.10
0007	30.00	268.10	60.10	0008	35.00	257.30	61.60
0009	40.00	268.70	60.20	0010	45.00	268.80	60.20
0011	50.00	268.80	60.20	0012	55.00	268.90	60.20
0013	60.00	268.90	60.20	0014	65.00	269.20	60.30
0015	70.00	269.10	60.30	0016	75.00	269.30	60.30
0017	80.00	269.40	60.30	0018	85.00	269.50	60.30
0019	90.00	269.50	60.30	0020	95.00	269.60	60.30
0021	100.00	269.60	60.30	0022	105.00	269.90	60.20
0023	110.00	269.70	60.10	0024	115.00	269.50	60.10
0025	120.00	269.50	60.00	0026	125.00	269.40	60.00
0027	130.00	269.30	60.00	0028	135.00	269.10	60.00
0029	140.00	268.90	60.00	0030	145.00	268.90	60.00
0031	150.00	268.90	60.00	0032	155.00	269.00	59.90
0033	160.00	269.00	60.00	0034	165.00	269.00	60.10
0035	170.00	269.30	60.00	0036	175.00	269.70	60.00
0037	180.00	268.10	59.90	0038	185.00	269.40	59.90
0039	190.00	268.80	59.90	0040	195.00	268.70	59.90
0041	200.00	269.10	59.90	0042	205.00	269.20	59.90
0043	210.00	269.50	60.00	0044	215.00	266.10	60.50

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	38607.40	20490.27	1153.23	2.00
0002		38605.85	20464.65	1108.43	101.30
0003	CPRK	38605.55	20437.91	1061.59	6.56
0004	D1	38605.54	20436.28	1058.75	0.01
0005	D3	38605.54	20435.79	1057.90	1.93
0006		38605.54	20435.22	1056.91	0.36
0007	D4	38605.53	20434.70	1055.99	1.77
0008		38605.53	20433.96	1054.71	1.17
0009	E0	38605.53	20433.11	1053.24	2.24
0010		38605.51	20432.20	1051.66	1.39
0011	E1	38605.50	20430.88	1049.38	3.89
0012		38605.49	20429.80	1047.51	0.42
0013	FA	38605.49	20429.65	1047.26	0.17
0014	E1	38605.48	20429.36	1046.74	1.02
0015		38605.48	20429.02	1046.13	0.38
0016	E2	38605.47	20427.95	1044.31	3.84
0017		38605.46	20426.91	1042.50	0.33
0018	E3U	38605.46	20426.41	1041.63	1.68
0019		38605.43	20425.18	1039.48	3.28
0020	FA	38605.42	20424.36	1038.06	0.01
0021	E3U	38605.42	20424.18	1037.78	0.64
0022		38605.40	20423.16	1036.01	3.44
0023	E3L	38605.40	20422.11	1034.17	0.82
0024	FA	38605.40	20421.83	1033.71	0.24
0025	E3L	38605.37	20421.66	1033.40	0.46
0026		38605.36	20421.02	1032.30	2.10
0027	E4	38605.35	20420.37	1031.17	0.50
0028	E4CONG	38605.29	20417.32	1025.89	11.69
0029	FA	38605.22	20413.56	1019.39	3.34
0030	E4CONG	38605.18	20411.09	1015.10	6.55
0031	E4L	38605.15	20409.37	1012.13	0.32
0032		38605.10	20406.29	1006.78	12.02
0033	G	38605.07	20403.07	1001.20	0.88
0034		38604.96	20397.20	991.05	22.58
0035	J	38604.81	20389.22	977.31	9.18

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD89503, CATEGORY:79

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
--------	-------	------	------	------	-----	-----	------	----

QMD89503 37948.23 20424.47 1261.44 185.08 79

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	261.60	71.40	0002	5.00	261.60	71.40
0003	10.00	261.60	71.70	0004	15.00	258.70	71.90
0005	20.00	264.80	71.80	0006	25.00	263.60	71.70
0007	30.00	265.90	71.80	0008	35.00	263.60	71.70
0009	40.00	263.80	71.70	0010	45.00	263.60	71.60
0011	50.00	263.50	71.60	0012	55.00	263.80	71.60
0013	60.00	263.90	71.50	0014	65.00	264.20	71.50
0015	70.00	264.20	71.50	0016	75.00	263.90	71.50
0017	80.00	264.30	71.60	0018	85.00	264.90	71.60
0019	90.00	263.60	71.60	0020	95.00	263.90	71.50
0021	100.00	264.10	71.60	0022	105.00	264.10	71.50
0023	110.00	264.50	71.50	0024	115.00	263.80	71.50
0025	120.00	264.50	71.40	0026	125.00	264.30	71.40
0027	130.00	263.90	71.40	0028	135.00	263.40	71.40
0029	140.00	263.50	71.30	0030	145.00	264.40	71.30
0031	150.00	264.20	71.30	0032	155.00	264.20	71.20
0033	160.00	264.20	71.20	0034	165.00	264.50	71.20
0035	170.00	264.70	71.20	0036	175.00	263.70	71.20
0037	180.00	263.80	71.20	0038	185.00	257.40	71.70

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001	OVER	37948.16	20424.00	1260.02	3.00
0002		37946.57	20411.31	1221.31	78.54
0003	DT	37945.26	20398.95	1184.05	0.01
0004	D3	37945.18	20398.06	1181.38	5.62
0005		37945.07	20396.93	1177.92	1.67
0006	D4	37944.98	20396.15	1175.59	3.25
0007		37944.89	20395.28	1172.97	2.26
0008	E0	37944.78	20394.13	1169.53	5.00
0009		37944.66	20393.11	1166.41	1.57
0010	E1	37944.55	20391.83	1162.58	6.52
0011		37944.41	20390.65	1159.05	0.93
0012	E2	37944.32	20389.73	1156.27	4.93
0013		37944.23	20388.87	1153.69	0.50
0014	E3U	37944.21	20388.65	1153.02	0.92
0015		37944.15	20387.87	1150.71	3.96
0016	E3L	37944.05	20387.09	1148.37	0.96
0017		37943.99	20386.54	1146.72	2.54
0018	E4	37943.94	20385.93	1144.91	1.27
0019		37943.73	20383.96	1139.02	11.15
0020	G	37943.50	20381.88	1132.79	2.01
0021		37942.94	20376.56	1116.98	31.36
0022	J	37942.35	20370.53	1099.18	6.25

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD94001

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD94001	37695.41	20107.56	1281.22	76.72				

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	270.00	60.00	0002	40.00	270.00	60.00
0003	76.72	270.00	60.00				

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		37695.41	20104.34	1275.63	12.90
0002	J1	37695.41	20099.65	1267.51	5.86
0003		37695.41	20098.14	1264.91	0.14
0004	J2	37695.41	20097.73	1264.20	1.50
0005		37695.41	20097.27	1263.41	0.34
0006	J3	37695.41	20096.86	1262.69	1.32
0007		37695.41	20082.87	1238.45	54.66

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD94003, CATEGORY:89

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD94003	38910.04	20494.27	1073.77	118.03				89

#	DIST	AZIM	DIP	#	DIST	AZIM	DIP
0001	0.00	248.60	87.00	0002	15.00	248.60	87.00
0003	20.00	248.50	86.20	0004	25.00	254.90	86.30
0005	30.00	254.80	86.30	0006	35.00	254.40	86.40
0007	40.00	255.00	86.30	0008	45.00	255.20	86.10
0009	50.00	254.50	86.10	0010	55.00	254.80	86.00
0011	60.00	254.00	86.00	0012	65.00	253.80	85.90
0013	70.00	254.00	85.80	0014	75.00	254.50	85.80
0015	80.00	254.50	85.80	0016	85.00	254.50	85.90
0017	90.00	254.70	85.80	0018	95.00	255.10	85.90
0019	100.00	255.80	85.80	0020	105.00	255.30	85.90
0021	110.00	256.90	85.80	0022	118.03	254.20	85.90

#	Seam	NORTHING	EASTING	ELEVTN	LENGTH
0001		38909.87	20493.84	1065.03	17.50
0002	CPRK	38909.64	20493.23	1053.45	5.70
0003		38909.57	20493.05	1050.56	0.10
0004	D3	38909.55	20492.97	1049.16	2.70

0005		38909.53	20492.87	1047.61	0.40
0006 D4		38909.51	20492.82	1046.86	1.10
0007		38909.48	20492.70	1044.87	2.90
0008 E0		38909.43	20492.55	1042.42	2.00
0009		38909.41	20492.45	1040.88	1.10
0010 E1		38909.39	20492.39	1039.88	0.90
0011		38909.39	20492.36	1039.18	0.50
0012 E1		38909.36	20492.28	1038.13	1.60
0013		38909.35	20492.22	1037.08	0.50
0014 E2		38909.31	20492.11	1035.14	3.40
0015		38909.28	20491.98	1033.29	0.30
0016 E3U		38909.26	20491.93	1032.34	1.60
0017		38909.22	20491.77	1029.95	3.20
0018 E3L		38909.19	20491.63	1027.80	1.10
0019		38909.07	20491.21	1021.52	11.50
0020 E4U		38908.96	20490.81	1015.58	0.40
0021		38908.96	20490.77	1014.84	1.10
0022 E4L		38908.93	20490.70	1013.94	0.70
0023		38908.81	20490.28	1007.75	11.70
0024 G		38908.68	20489.83	1001.42	1.00
0025		38908.46	20489.06	990.35	21.20
0026 J		38908.19	20488.03	975.74	8.10
0027		38907.98	20487.20	963.85	15.73

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD94004, CATEGORY:89

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD94004	38902.71	20105.27	1008.84	52.45				89
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	180.20	89.10	0002	15.00	180.20	89.10	
0003	20.00	182.20	88.40	0004	25.00	182.50	88.40	
0005	30.00	187.10	88.50	0006	35.00	192.70	88.70	
0007	40.00	186.50	88.70	0008	45.00	182.60	88.70	
0009	52.45	172.70	88.60					
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001	OB	38902.69	20105.27	1007.59	2.50			
0002		38902.57	20105.27	1000.09	12.50			
0003	G	38902.47	20105.27	993.34	1.00			
0004		38902.18	20105.27	982.40	20.90			
0005	J	38901.83	20105.21	967.65	8.60			
0006		38901.65	20105.20	959.88	6.95			

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD94005, CATEGORY:77

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD94005	37742.23	20092.96	1288.71	76.79				77
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	258.00	61.90	0002	25.00	258.00	61.90	
0003	30.00	258.30	62.00	0004	35.00	258.50	61.90	
0005	40.00	258.50	61.90	0006	45.00	258.20	62.10	
0007	50.00	258.10	62.20	0008	55.00	249.60	62.00	
0009	60.00	239.30	61.80	0010	65.00	239.70	62.00	
0011	70.00	238.60	61.80	0012	76.79	235.80	62.30	
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001		37741.79	20090.89	1284.74	9.00			
0002	J1	37741.15	20087.78	1278.79	4.50			
0003		37740.90	20086.63	1276.58	0.50			
0004	J2	37740.81	20086.28	1275.92	1.00			
0005		37740.74	20085.93	1275.26	0.50			
0006	J3	37740.66	20085.59	1274.60	1.00			
0007		37740.61	20085.24	1273.93	0.50			
0008		37738.42	20074.86	1254.04	44.60			
0009	HG	37735.22	20064.78	1233.99	0.80			
0010		37733.40	20061.71	1227.29	14.39			

DRILLHOLE REPORT FOR SUBSET #0, HOLE:QMD94006

HOLE #	NORTH	EAST	ELVN	LGTH	SF1	SF2	RG'N	CG
QMD94006	37748.41	20088.90	1288.88	20.00				
#	DIST	AZIM	DIP	#	DIST	AZIM	DIP	
0001	0.00	251.70	59.00	0002	6.00	251.70	59.00	
0003	7.00	253.00	59.40	0004	8.00	256.00	59.10	
0005	9.00	255.40	59.00	0006	10.00	258.70	59.10	
0007	11.00	257.00	59.10	0008	12.00	257.20	59.00	
0009	13.00	257.10	59.10	0010	14.00	258.60	59.10	
0011	20.00	239.20	61.70					
#	Seam	NORTHING	EASTING	ELEVTN	LENGTH			
0001		37747.92	20087.43	1286.31	6.00			
0002	J1	37747.10	20084.74	1281.59	5.00			
0003		37746.78	20083.38	1279.27	0.40			
0004	J2	37746.72	20083.13	1278.84	0.60			



## **APPENDIX-B1**

**STRATCOLUMN AND QUALITY DATA FOR  
1988-1989 DIAMOND DRILL HOLES**

The 107 pages following this page contain coal quality data and remain confidential under the terms of the *Coal Act Regulation*, Section 2(1). They have been removed from the public version.

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## **APPENDIX-B2**

**STRATIGRAPHIC COLUMN AND QUALITY DATA FOR  
1994 DIAMOND DRILL HOLES**

The 33 pages following this page contain coal quality data and remain confidential under the terms of the *Coal Act Regulation*, Section 2(1). They have been removed from the public version.

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DATE

MESA NORTH EXTENSION  
CORE SAMPLING SUMMARY

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD88003	3094	59.69 - 70.33	B	-
	3095	178.68 - 180.21	D3	C-132
	3096	180.21 - 180.36	D3 floor	-
	3097	181.57 - 181.91	D4 upper	-
	3098	181.91 - 182.23	D4 lower	-
	3099	185.38 - 185.96	E	-
	3100	185.96 - 186.47	E parting	-
	3101	186.47 - 187.52	E	-
	3102	189.29 - 190.19	E	C-133
	3103	190.19 - 190.38	E floor	-
	3104	204.75 - 205.30	E	-
	3105	206.13 - 207.56	E	C-134
	3106	207.56 - 207.38	E floor	-
	3107	209.43 - 210.08	E	C-135
	*3108	210.08 - 210.38	E parting	
3109	210.38 - 211.82	E	-	
3110	211.82 - 212.57	E parting	-	
3111	212.57 - 218.56	E3	-	
3112	222.04 - 223.02	E lower	-	

\*Sulphur analysis on raw sample.

QMD88004	1	66.21 - 67.57	} D3	C-156
	2	67.57 - 68.43		
	3	70.94 - 71.68	} D4	C-157
	4	71.68 - 77.44		
	5	77.44 - 77.92	} E1P	} C-158*
	6	77.92 - 79.63		
	7	79.63 - 79.86	} E1	
	8	79.86 - 80.60		
	9	80.60 - 81.10	} E2P	
	10	81.10 - 82.84		
	11	82.84 - 83.10	} E2	
	12	83.10 - 84.31		
	13	86.40 - 87.22	} E2 repeat	
	14	87.22 - 88.10		
	15	98.95 - 100.32	} E4	C-159
	16	113.92 - 114.40		
	17	114.40 - 116.24	} G.	-
	18	167.10 - 179.49		J1/J2

\*Component 12 not included in composite.

MESA NORTH EXTENSION  
CORE SAMPLING SUMMARY

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD89501	4029	18.32 - 19.73	B	C-210
	4030	86.67 - 88.78	D3	} C-211
	4031	88.78 - 89.60	D4P	
	4032	89.60 - 90.30	D4	} C-211
	4033	90.30 - 91.53	E0P	
	4034	91.53 - 92.56	} E0	-
	4035	92.56 - 93.26		
	4036	93.26 - 93.63	} E1P	-
	4037	93.63 - 95.00		
	4038	95.00 - 95.53	} E1	-
	4039	95.53 - 97.23		
	4040	97.23 - 97.63	} E2P	} C-212
	4041	97.63 - 98.62		
	4042	98.62 - 101.35	E2	} C-212
	4043	101.35 - 101.75	E3P	
	4044	101.75 - 103.44	E3	} C-213
	4045	107.35 - 108.09	E3L	
	4046	110.20 - 110.55	E4	-
4047	136.92 - 137.76	G	C-214	
4048	155.05 - 162.50	J	C-215	
QMD89502	4049	109.87 - 111.77	D3	} C-216*
	4050	111.77 - 112.16	D4P	
	4051	112.16 - 112.82	} D4	} C-217
	4052	112.82 - 113.10		
	4053	113.10 - 113.93	} E1/E1 rpt	} C-217
	4054	118.73 - 120.34		
	4055	120.34 - 121.98	} E2P/top E2	} C-218
	4056	121.98 - 124.23		
	4057	124.23 - 125.61	} E2/E3	} C-218
	4058	125.61 - 125.96		
	4059	125.96 - 130.46	} E3L/E3Lrpt	} C-219
	4060	137.83 - 138.65		
	4061	138.65 - 139.35	} E4	-
	4062	141.57 - 141.95		
	4063	175.87 - 176.75	G	C-220
4064	199.33 - 205.71	} J	} C-221	
4065	205.71 - 208.51			

\* Component 4052 not included in composite

MESA NORTH EXTENSION  
CORE SAMPLING SUMMARY

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD89503	4066	32.55 - 32.98	D3	C-222
	4067	32.98 - 37.17		
	4068	37.17 - 39.31	D4P	-
	4069	89.31 - 92.10	D4	C-223
	4070	100.92 - 102.67		
	4071	102.67 - 103.29		
	4072	103.29 - 104.66	E1	C-224
	4073	104.66 - 105.78		
	4074	105.78 - 106.80		
	4075	106.80 - 107.44		
	4076	107.44 - 108.37	E2P	
	4077	108.37 - 109.89		
	4078	109.89 - 110.94	E2	C-225
	4079	110.94 - 113.30		
	4080	113.30 - 113.80	E3P	
	4081	113.80 - 114.40	E3	
	4082	114.40 - 114.72		-
	4083	118.68 - 119.64	E3L	C-226
	4084	122.18 - 123.45	E4	C-227
	4085	134.85 - 136.61	G	C-228
4086	167.95 - 171.83	J	C-229	
4087	171.83 - 174.22			

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD94003	001	23.37–26.10	D3	
	002	26.10–26.34	D4P	
	004	32.40–33.50	E1P	
	005	33.50–36.35	E1	
	006	36.35–37.57	E2P	
	007	37.57–40.50	E2	
	008	40.50–40.82	E3P	C–001
	009	40.82–42.53	E3	
	010	45.70–46.50	E3L	C–002
	011	71.95–72.75	G	
	012	94.32–99.81	J1	C–003
	013	99.81–100.12	J2P	
	014	100.12–102.41	J2	

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD94004	001	37.05–42.65	J1	
	002	42.65–43.15	J2P	
	003	43.15–45.66	J2	

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD94005	001	13.70–14.15	J2P	
	002	14.15–15.00	J2	

Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD94006	003	12.30–12.75	J3P	
	004	12.75–14.33	J3	



Drill Hole	Component Sample #	Core Interval (m)	Seam	Composite #
QMD94007	001	23.43–23.82	D3	
	002	23.82–23.98	D3	
	003	23.98–25.95	D3	
	004	25.95–26.30	D4P	
	005	26.30–26.68	D4	
	006	26.68–26.79	D4	
	007	29.93–30.15	E0	
	008	30.15–31.90	E0	
	009	31.90–32.48	E0	
	033	32.48–33.45	E1P	
	010	33.45–33.60	E1P	
	011	33.60–34.37	E1	
	012	34.37–34.90	E1	
	013	34.90–35.37	E1	
	014	35.37–36.02	E1	
015	36.32–37.10	E2P		
	016	37.10–37.55	E2	C–004
	017	37.55–39.30	E2	
	018	39.30–39.67	E2	
	019	39.67–40.44	E2	
	020	40.44–40.90	E3P	
	021	40.90–41.97	E3U	
	022	41.97–42.20	E3U	
	023	42.20–42.58	E3U	
	024	42.58–42.65	E3U	
	025	45.72–46.55	E3L	
	026	46.87–47.00	E4P	
	027	48.23–48.51	E4	
	028	72.35–73.25	G	
	029	94.70–94.86	HWJ1	
	030	94.86–100.39	J1	C–005
	031	100.39–100.66	J2P	
	032	100.66–102.98	J2	

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# **APPENDIX-C1**

## **ADIT SUMMARY**

MESA EXTENSION ADIT SUMMARY

ADIT #	PORTAL (UTM)		PORTAL (MINE GRID)		ELEVATION	LENGTH	SEAMS
	NORTHING	EASTING	NORTHING	EASTING			
QMA9401	6101334.3121	612839.9546	39191.82	20230.84	959.923	47.3	J
QMA9402	6101606.4769	612839.9546	39148.37	20603.59	949.56	58.1	E

## **APPENDIX-C2**

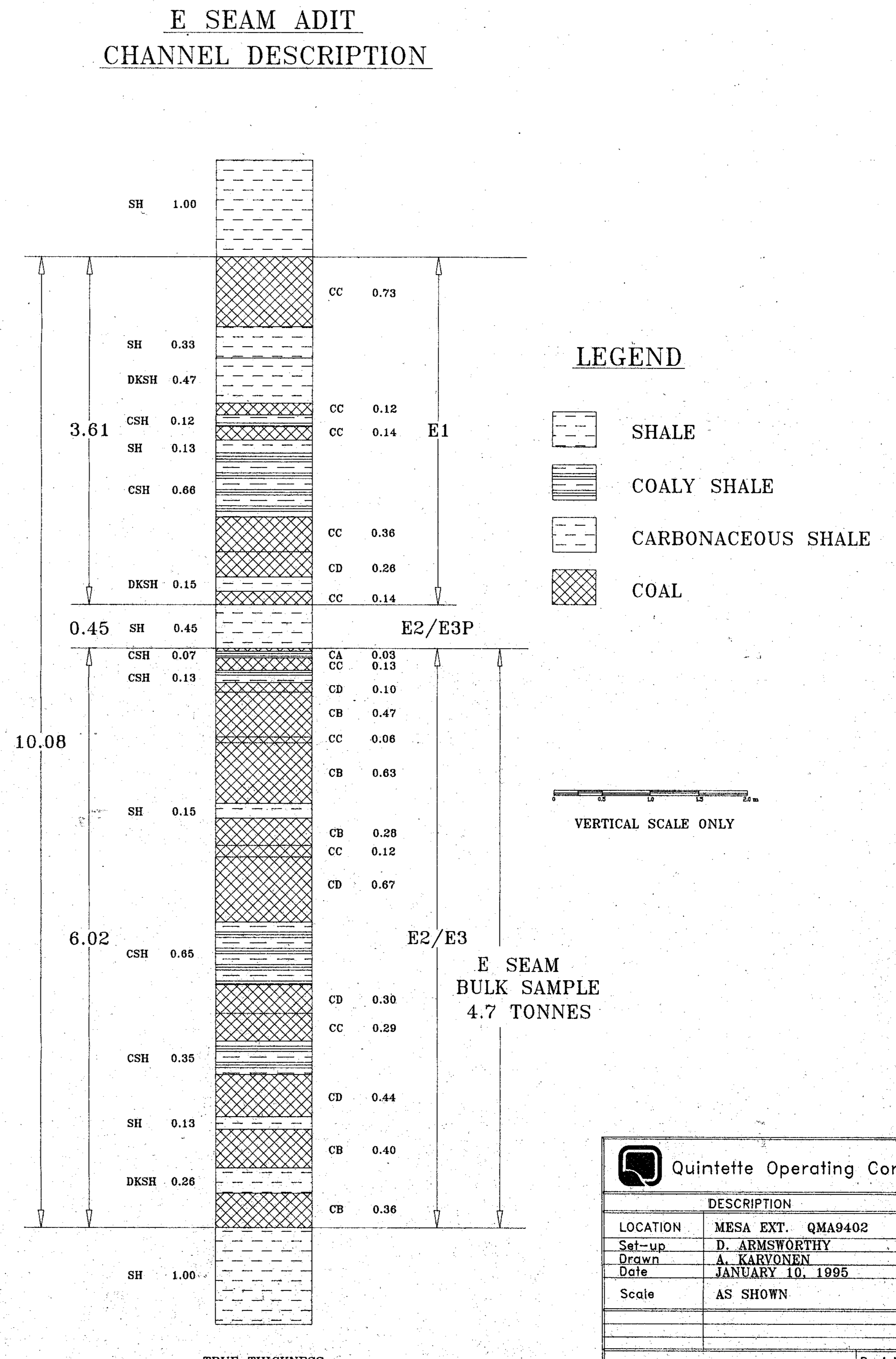
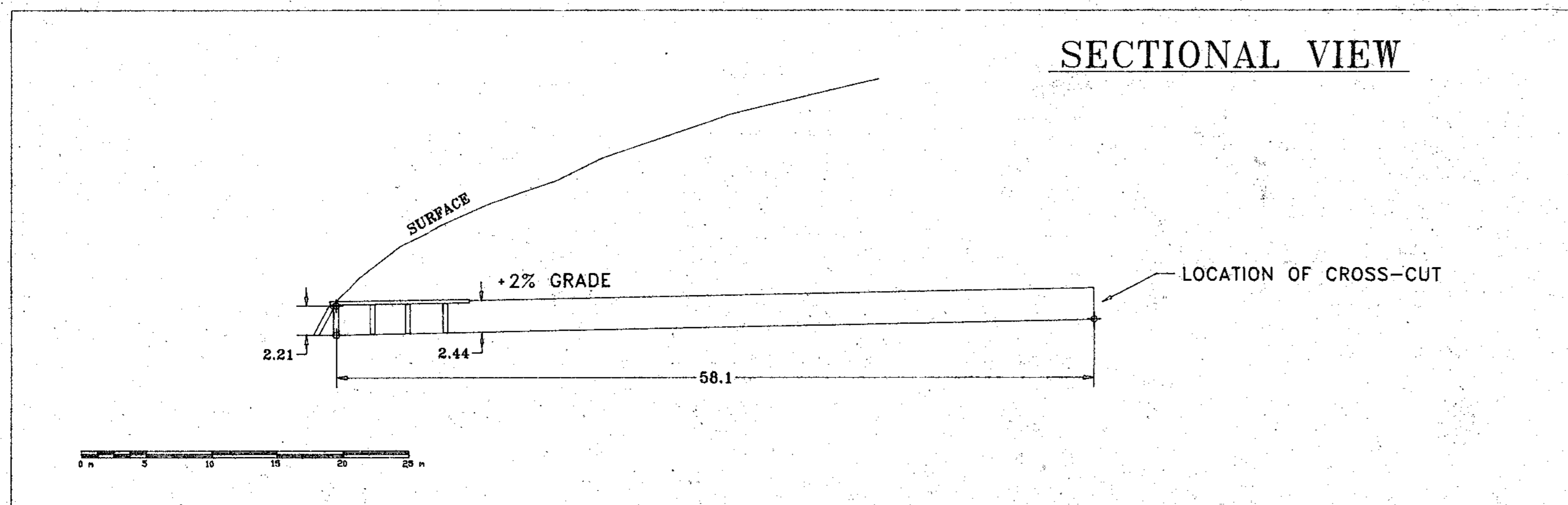
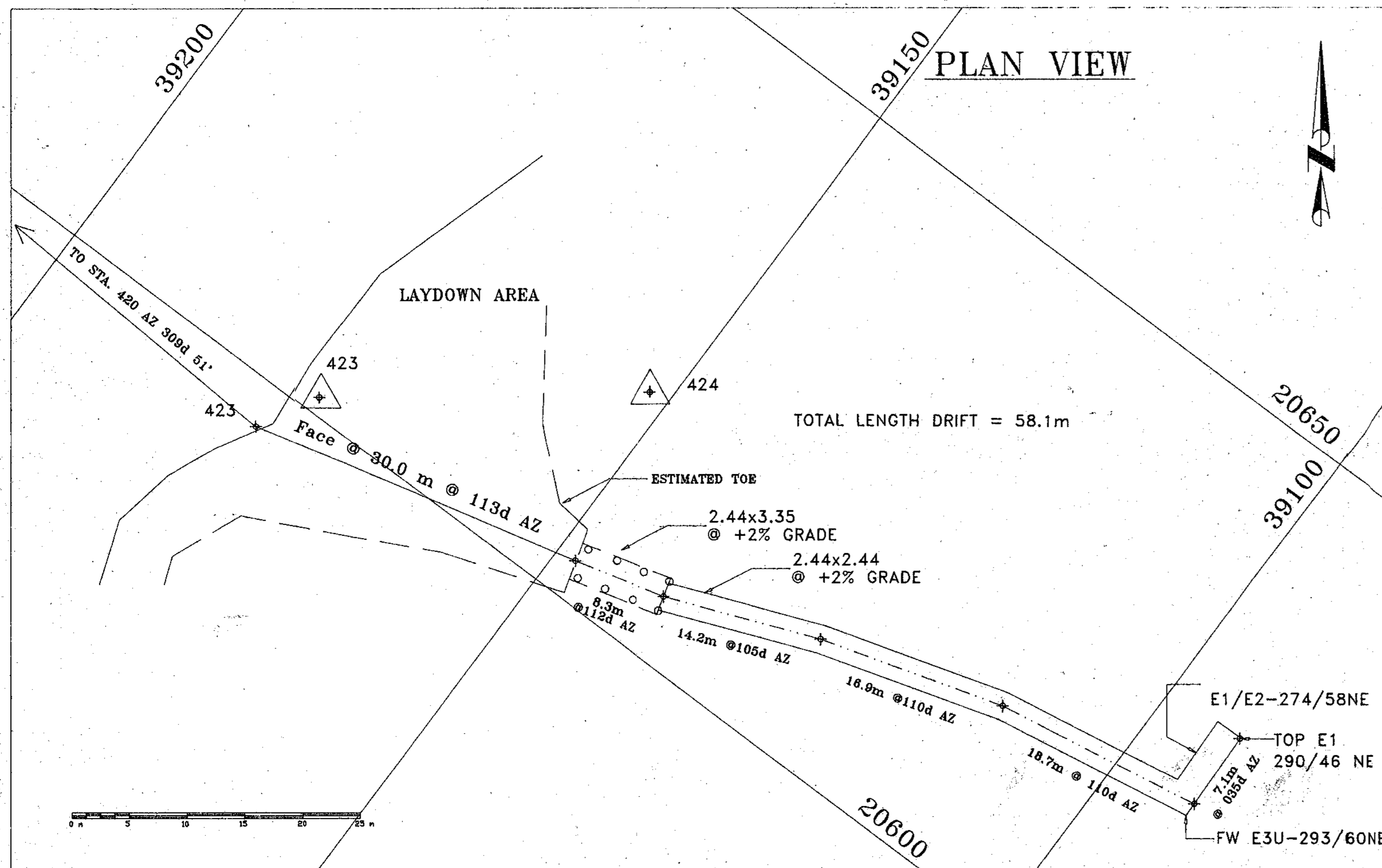
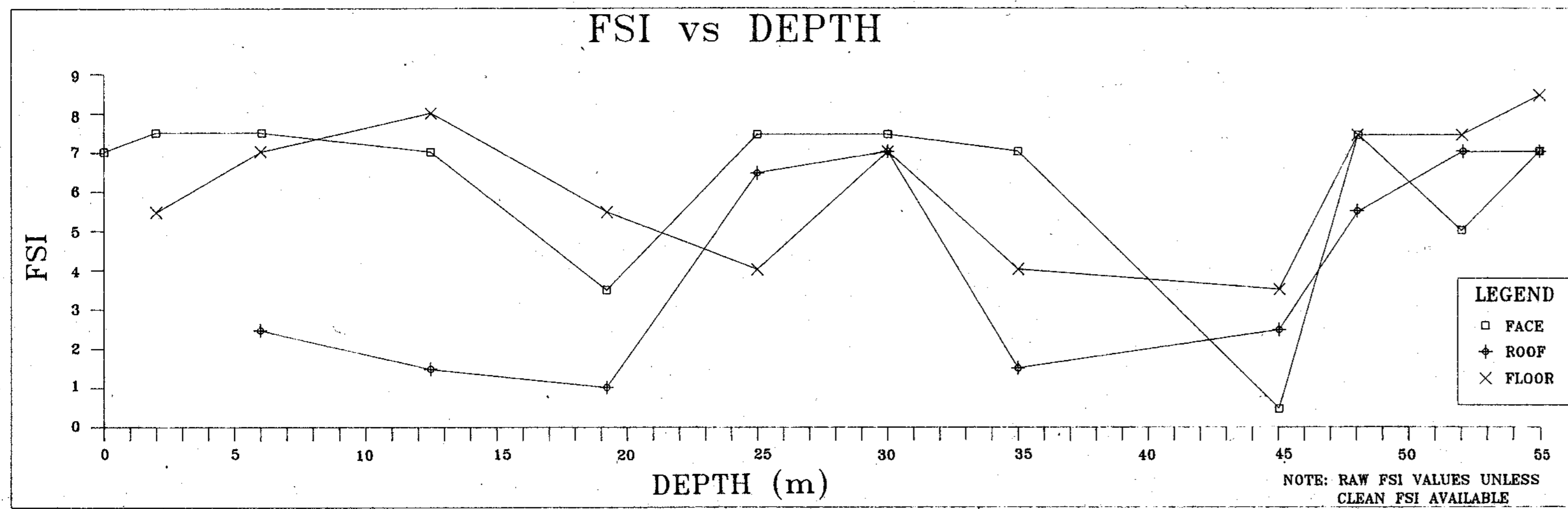
**E-SEAM ADIT**

Appendix C2 contains coal quality data and remains confidential under the terms of the *Coal Act Regulation*, Section 2(1). It has been removed from the public version.

[http://www.bclaws.ca/EPLibraries/bclaws\\_new/document/ID/freeside/10\\_251\\_2004](http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/10_251_2004)

## **APPENDIX C-2.1**

E Seam Adit Site Plan Map



Quintette Operating Corp	
DESCRIPTION	
LOCATION	MESA EXT. QMA9402
Set-up	D. ARMSWORTHY
Drawn	A. KARVONEN
Date	JANUARY 10, 1995
Scale	AS SHOWN
Revision	
D:\usr8\geology\jadit.dwg	



## **APPENDIX-C3**

**J-SEAM ADIT**

Appendix C3 contains coal quality data and remains confidential under the terms of the *Coal Act Regulation*, Section 2(1). It has been removed from the public version.

[http://www.bclaws.ca/EPLibraries/bclaws\\_new/document/ID/freeside/10\\_251\\_2004](http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/10_251_2004)

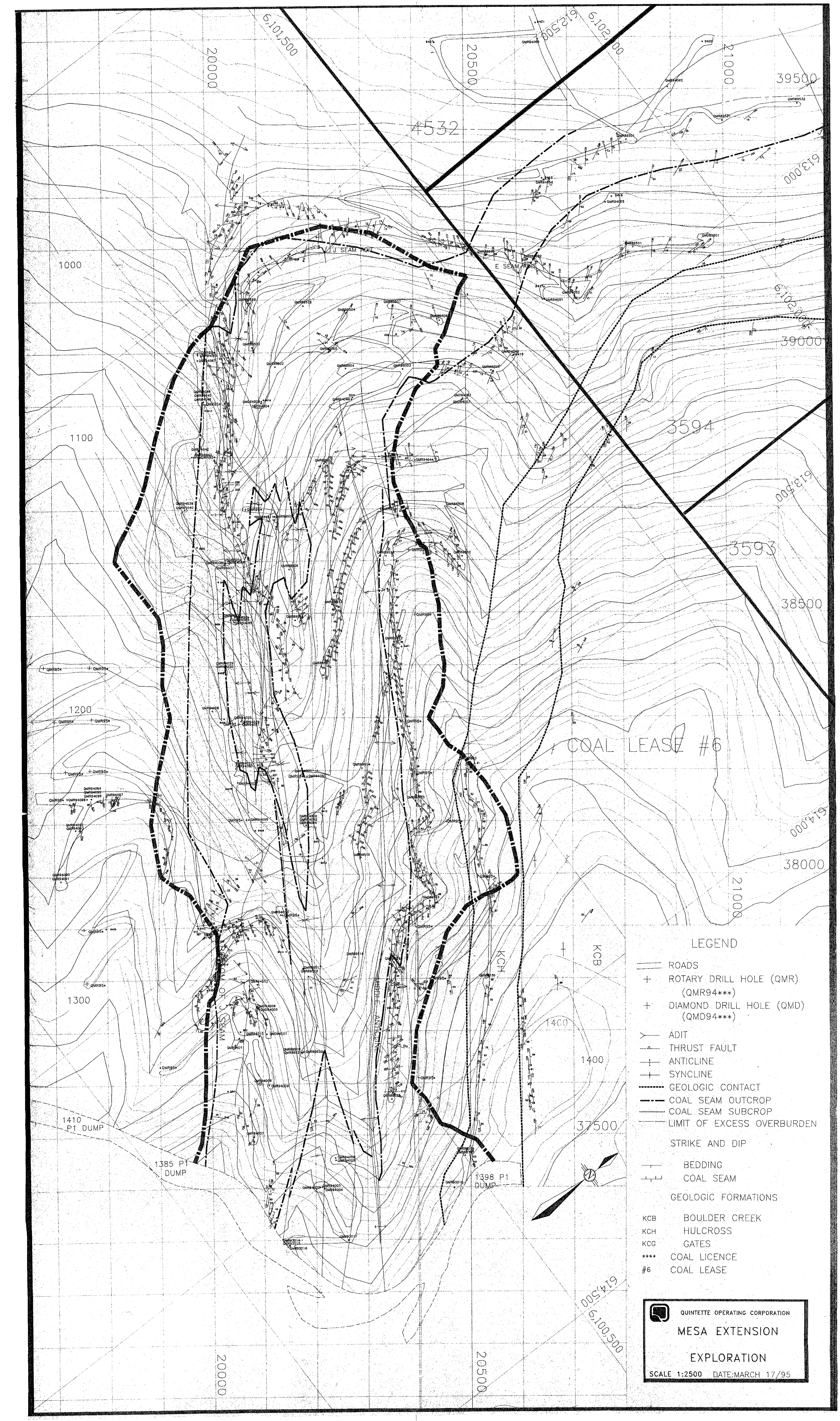
## **APPENDIX C-3.1**

J Seam Adit Site Plan Map



## **APPENDIX-D**

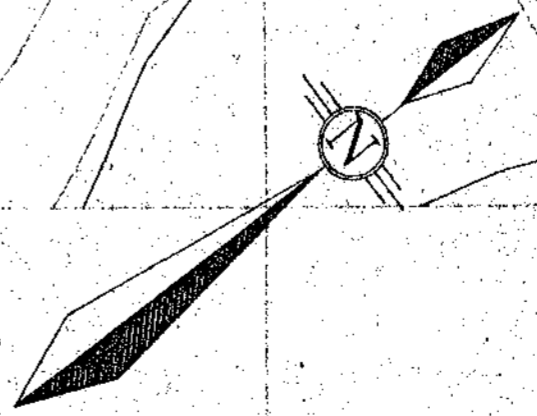
**MESA EXTENSION PLAN MAP  
SCALE 1:2500**




COAL LEASE #6

LEGEND

- == ROADS
- + ROTARY DRILL HOLE (QMR)  
(QMR94\*\*\*\*)
- + DIAMOND DRILL HOLE (QMD)  
(QMD94\*\*\*\*)
- ADIT
- ▲ THRUST FAULT
- ⊕ ANTICLINE
- ⊖ SYNCLINE
- GEOLOGIC CONTACT
- COAL SEAM OUTCROP
- COAL SEAM SUBCROP
- LIMIT OF EXCESS OVERBURDEN
- STRIKE AND DIP
- BEDDING
- COAL SEAM
- GEOLOGIC FORMATIONS
- KCB BOULDER CREEK
- KCH HULCROSS
- KCG GATES
- \*\*\*\* COAL LICENCE
- #6 COAL LEASE




 QUINTETTE OPERATING CORPORATION  
**MESA EXTENSION**  
**EXPLORATION**  
 SCALE 1:2500 DATE: MARCH 17/95