

CR# 27932

OPEN FILE

TRI-STAR PETROLEUM COMPANY

WELL COMPLETION



Q0020150

TPC FAIRVIEW #1

OPEN FILE

DEPARTMENT OF MINERALS AND ENERGY	
Exploration Reports Management System	
TRANSACTION No:	54025
REPORT NO	27932
PART	1 of 1

PREPARED BY:

TRI-STAR PETROLEUM
40 GEORGE STREET
THE MANSIONS
BRISBANE QLD 4000

CR#27932

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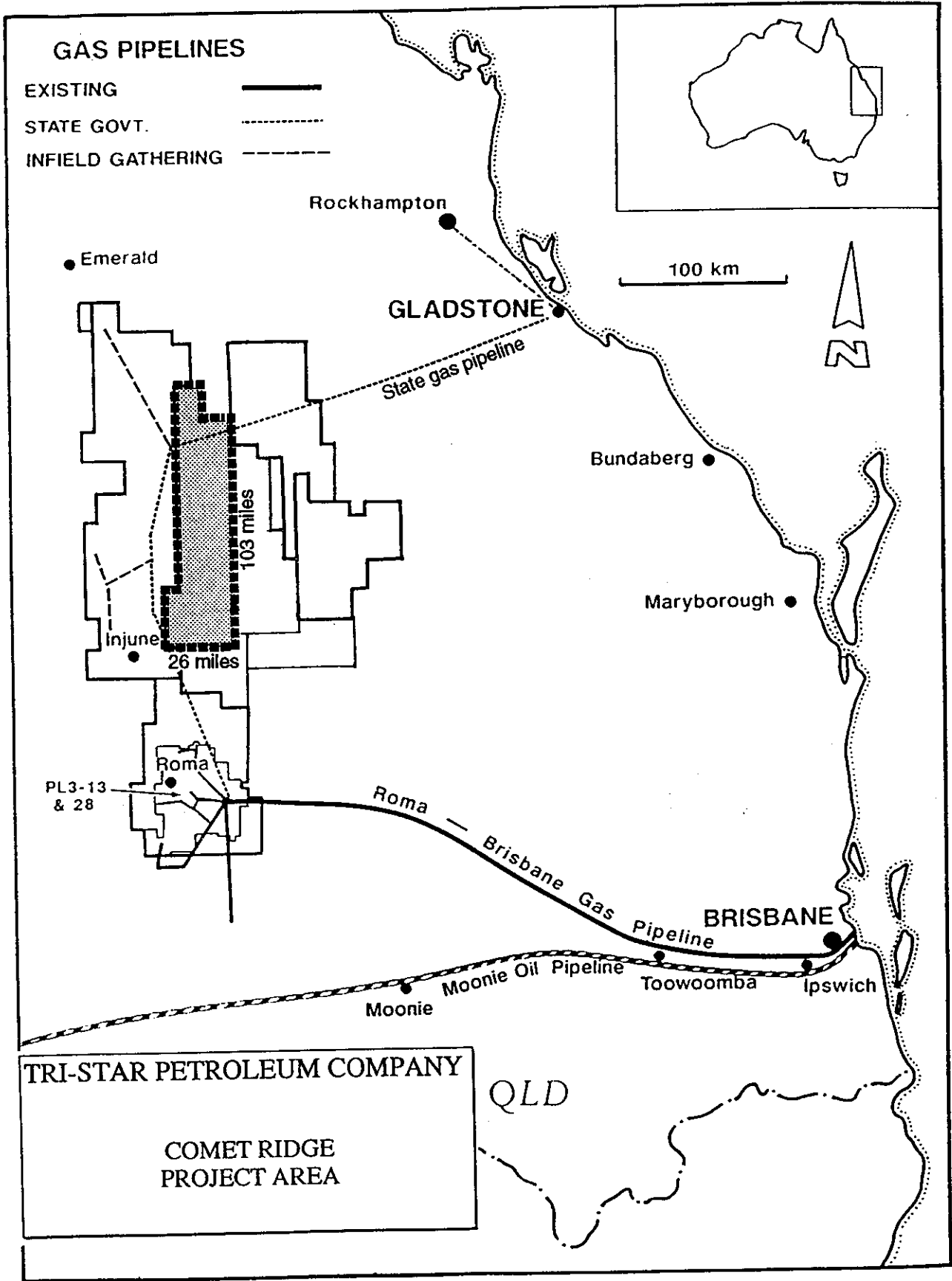
APPENDICES

APPENDIX 1:

Sample Description Report

Well Data Sheet

Name of Well	:	TPC Fairview #1
Authority of Prospect	:	ATP 526
Latitude	:	25° 36' 56"
Longitude	:	148° 57' 30"
Elevation - Ground	:	457.1m
Elevation -K.B.	:	461.2m
Spud Date	:	1/08/94
Rig Release	:	6/09/94
T.D. (below KB)	:	1340.7m
P.B.T.D.	:	752.8m
Status	:	De - Watering Bandanna Coal



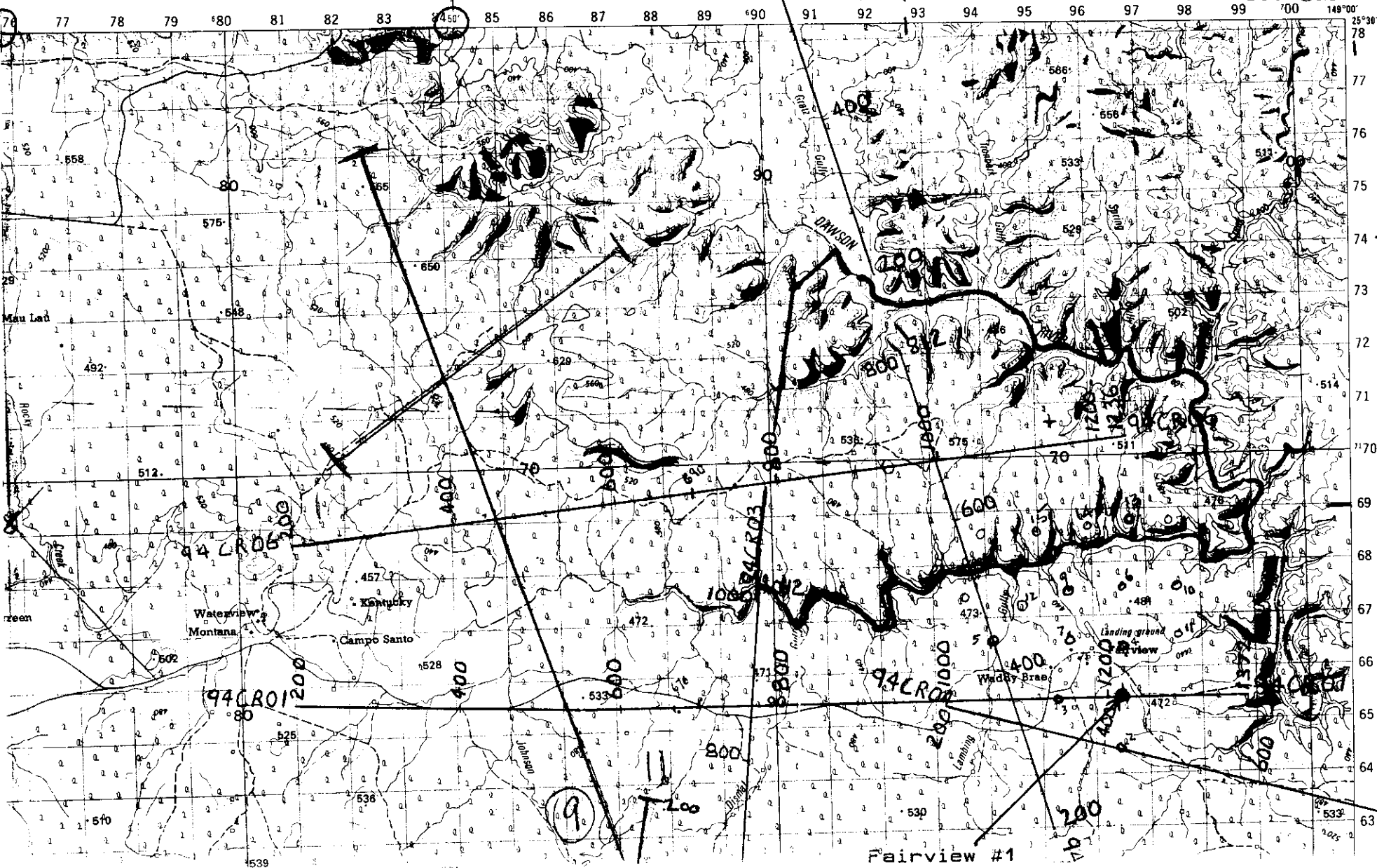
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REFER TO THIS MAP AS: SHEET 8646 (EDITION 1)
SERIES R631

Well Location Map

CR# 27032

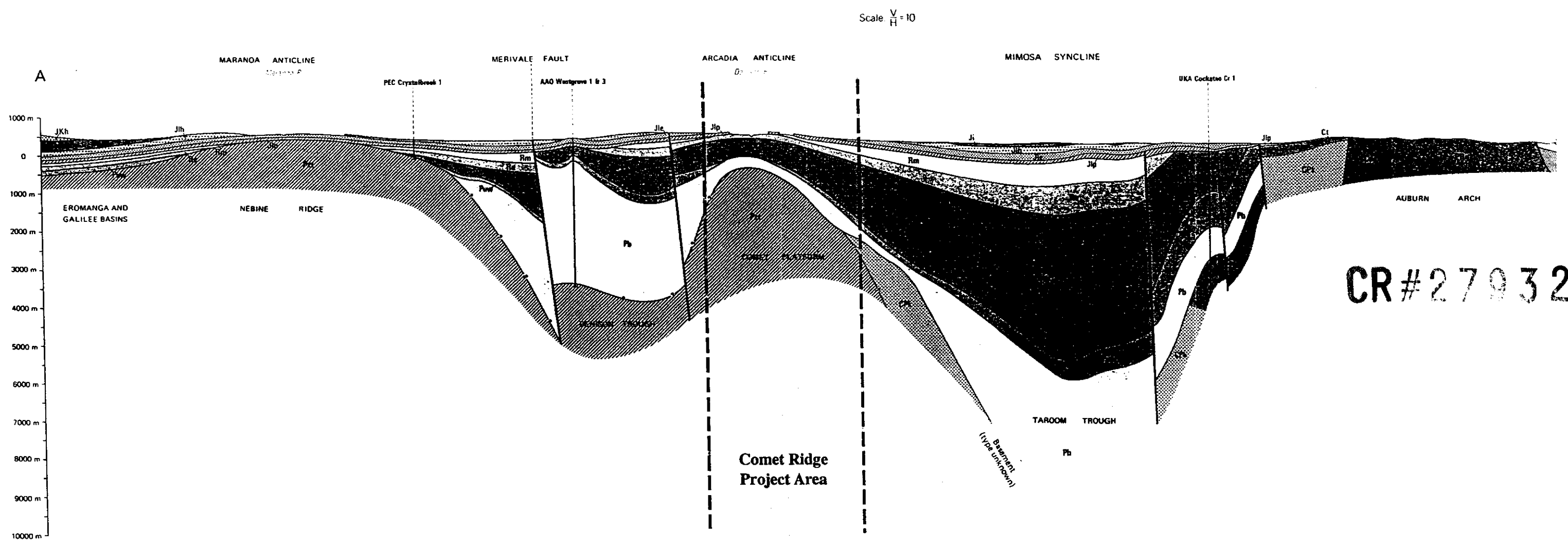
94CRO4



TRI-STAR PETROLEUM COMPANY

Cross Section
through the Arcadia Anticline
at latitude 25°30' South

Queensland, Australia



CR#27932

from N. F. Exon 1975. The Geology of the Surat Basin in Queensland.
Bureau of Mineral Resources, Geology and Geophysics, Australia,
Bulletin No. 166.

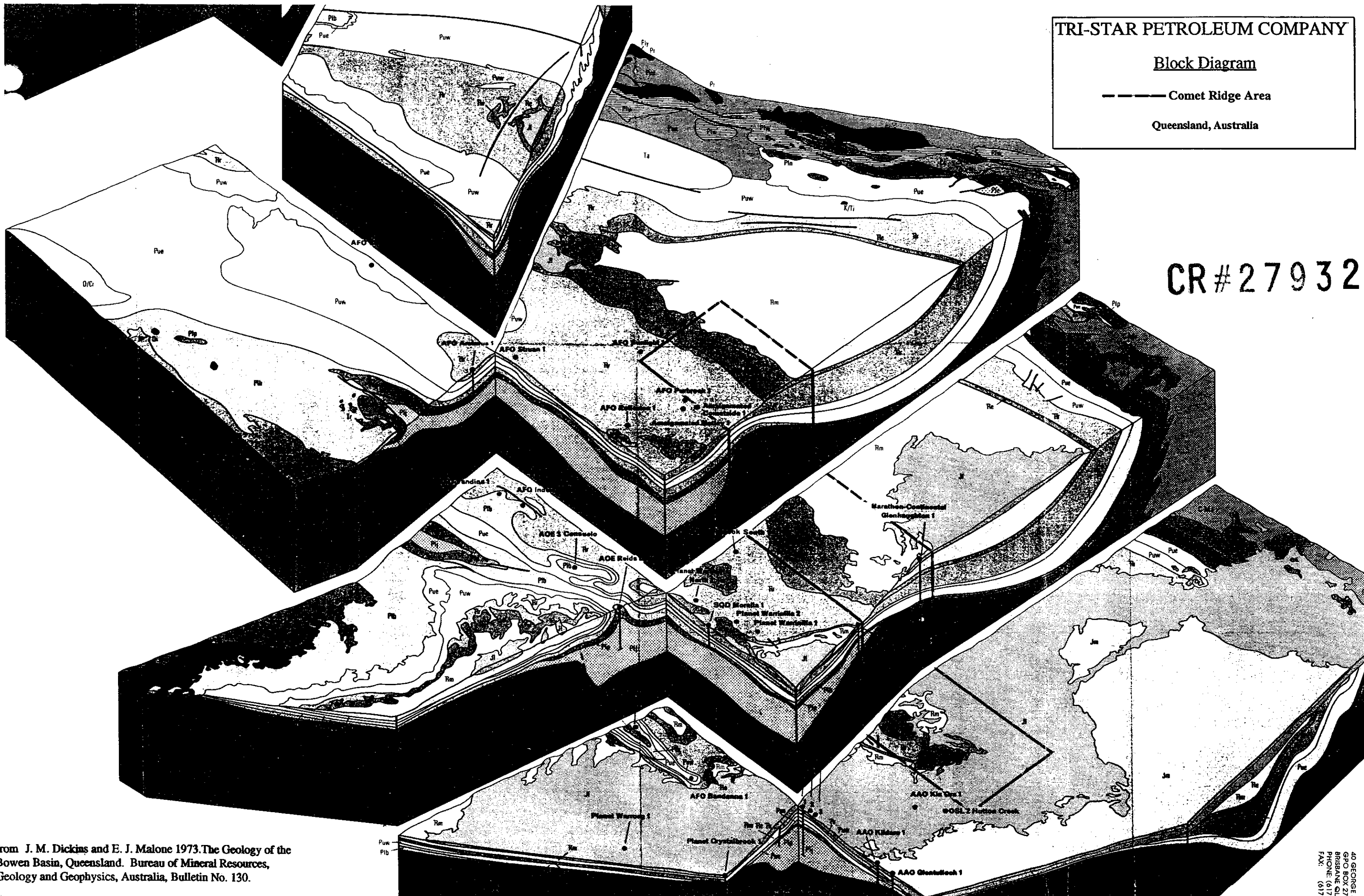
TRI-STAR PETROLEUM COMPANY

Block Diagram

----- Comet Ridge Area

Queensland, Australia

CR#27932



from J. M. Dickins and E. J. Malone 1973. The Geology of the Bowen Basin, Queensland. Bureau of Mineral Resources, Geology and Geophysics, Australia, Bulletin No. 130.

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STATIGRAPHIC SECTION

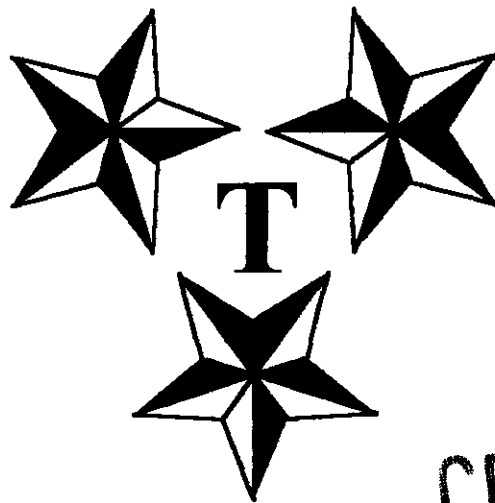
Comet Ridge Area

Permian Coal Measures

CR#27932

DEPTH (m)	SECTION	SEISMIC HORIZONS	LITHOLOGY	STRATIGRAPHY				
200		BP	Sandstone, minor silts and muds.	Hutton Sandstone	EARLY JURASSIC	MESOZOIC	SURAT	
			Siltstone, Mudstone, minor Sandstone.	Evergreen Formation				
			Quartz, Sandstone, minor Siltstone and Mudstone.	Precipice Sandstone				
400			Grey to brown Shales and grey lithic Sandstone and Red Beds.	Rewan Formation	MIMOSA GROUP	TRIASSIC		
600		TB	Coal measures: lithic and calcareous Sandstone, Mudstone, Coal and minor Oil Shale.	Bandanna Formation	BLACK-WATER GROUP			
800			Lithic sandstone.	Mantuan Productus Mmbr (Dry Creek Shale)	Peawaddy Fmn.	LATE		
1000			Limestone with minor Sands and Shales, Coquinite.	Early Storms(=Catherine)				
1200			Mudstone, Sandstone, Coal; Sandstone both lithic and quartzitic.	Ingelara Fmn.	BACK CREEK GROUP	PERMIAN	PALAEOZOIC	BOWEN BASIN
1400		TC	Quartz - feldspatholithic Sandstone and Conglom.	Aldebaran Sst.				
1600			Pebbly Mudstone, calcareous Sandstones, Limestone and Coquinite.	Cattle Creek Formation				
1800		TR	Feldspathic to quartzitic Sandstone, Conglomeratic and massive Conglomeratic.			EARLY		
			Mudstone; some calcareous or with gypsum; Quartz, Quartzite and other metamorphic erratics. Sandstone rarely conglomeratic. Thin Limestones.					
			Sandstone, Mudstone, Conglomerate, Volcanics and Volcanic sediments, Coal.	Reids Dome Beds				

DRILLING SUMMARY FAIRVIEW #1 WELL



CR#27932

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CR#27932

DRILLING SUMMARY

CR#27932

TRI - STAR PETROLEUM COMPANY

COMET RIDGE PROJECT

DRILLING SUMMARY - FAIRVIEW #1

Latitude: 25 degrees, 36 minutes, 56.131566 seconds
Longitude: 148 degrees, 57 minutes, 30.049189 seconds
Easting: 696 645.1 m
Northing: 7 165 422.7 m
Elevation: 457.1 m (ground level), 461.2 m (kelly bushing)

Prepared by: Scott A. Malson & Scott Browning

FAIRVIEW #1

DRILLING & COMPLETION SUMMARY

August 1, 1994 - Spud well at 2:00AM with Oil Drilling & Exploration's Rig #20

August 2, 1994 - Drill 12-1/4" Surface hole with air to 71.6 m (235 feet). Switch to aerated mud at 71.6 m (235 feet) and drill 12-1/4" surface hole to 157.3 m (516 feet).

August 3, 1994 - Run 13 joints 9-5/8", 36#, J-55, LT&C Nippon casing. Land casing at 156.7 m (514 feet) KB. Cement with 330 sacks Class "A" cement with 1% CaCl. Circulate 30 - 35 bbls of cement to surface. Bump plug with 1500 psi at 9:00PM on August 2, 1994. Float did not hold. Left 500 psi on plug. Wait on cement

August 4, 1994 - Nipple up "A" section of 3000psi, 9-5/8" X 11" wellhead. Nipple up 11", 5000psi BOP. Drill float collar and 6.1 m (20 feet) of cement in shoe joint. Pressure test casing and BOP equipment to 1500 psi. Drill remainder of cement and shoe. Blow the hole dry. Drill 8-1/2" hole to 173.1 m (568 feet).

August 5, 1994 - Drill 8-1/2" hole from 173.1 m (568 feet) to 601.3 m (1973 feet) with air and mist. Drilled 428.2 m (1405 feet) in 20 hours for an average rate of penetration of 21.4 m/hour (70.2 feet/hour).

August 6, 1994 - Drill 8-1/2" hole from 601.3 m (1973 feet) to 723.9 m (2375 feet) with aerated water. Drilled 122.5 m (402 feet) in 12.5 hours for an average rate of penetration of 9.8 m/hour (32.2 feet/hour).

August 7, 1994 - Drill 8-1/2" hole from 601.3 m (2375 feet) to 754.6 m (2476 feet) with aerated water. Trip for bit #2. Trip for plugged pipe. Drilled 30.8 m (101 feet) in 8 hours for an average rate of penetration of 3.85 m/hour (12.6 feet/hour).

August 8, 1994 - Wash and ream 9.1 m (30 feet) to bottom. Drill 8-1/2" hole from 754.6 m (2476 feet) to 827.5 m (2715 feet). Trip for bit #3. Drilled 72.8 m (239 feet) in 20.5 hours for an average rate of penetration of 3.6 m/hour (11.7 feet/hour).

August 9, 1994 - Drill 8-1/2" hole from 827.5 m (2715 feet) to 917.4 m (3010 feet) with aerated mud. Drilled 89.9 m (295 feet) in 22.5 hours for an average rate of penetration of 4.0 m/hour (13.1 feet/hour).

August 10, 1994 - Drill 8-1/2" hole from 917.4 m (3010 feet) to 1040.2 m (3413 feet) with aerated mud. Drilled 122.8 m (403 feet) in 23 hours for an average rate of penetration of 5.3 m/hour (17.5 feet/hour).

August 11, 1994 - Drill 8-1/2" hole from 1040.2 (3413 feet) to 1139.3 m (3738 feet) with aerated mud. Drilled 99.1 m (325 feet) in 22.5 hours for an average rate of penetration of 4.4 m/hour (14.4 feet/hour).

August 12, 1994 - Drill 8-1/2" hole from 1139.3 m (3738 feet) to 1238.6 m (4064 feet) with aerated mud. Drilled 99.3 m (326 feet) in 24 hours for an average rate of penetration of 4.1 m/hour (13.6 feet/hour).

August 13, 1994 - Drill 8-1/2" hole from 1238.6 m (4064 feet) to 1307.2 m (4289 feet) with aerated mud. Trip for bit #4. Drilled 68.6 m (225 feet) in 16.5 hours for an average rate of penetration of 4.2 m/hour (13.6 feet/hour).

August 14, 1994 - Drill 8-1/2" hole from 1307.2 m (4289 feet) to 1340.7 m (4399 feet) with aerated mud. Drilled 33.5 m (110 feet) in 5.5 hours for an average rate of penetration of 6.1 m/hour (20.0 feet/hour). Trip out of hole to log. Log well with Schlumberger.

August 15, 1994 - Finish logging. Spot 80 sack Class "A" cement plug at 821.1 m (2694 feet). Trip out of hole to 631.8 m (2073 feet). Wait on cement.

August 16, 1994 - Tag cement plug at 752.8 m (2470 feet). Lay down drill pipe. Rig up and run 7", 23#, J-55, LT&C casing. Land casing at 682.7 m (2240 feet). Cement with 640 sacks of Class "G" cement. Circulate 11 bbls of cement to surface. Bump plug at 9:28PM August 16, 1994. Float held. Nipple down BOP. Set 7" casing slips with the string weight of 100,000#.

August 17, 1994 - Nipple down drilling BOP equipment. Nipple up completion BOP equipment.

August 18, 1994 - Finish nipping up and testing BOP equipment. Trip into hole with 6-1/4" bit and bottom hole assembly. Tag cement at 659.9 m (2165 feet). Drill float collar and shoe joint.

August 19, 1994 - Drill float collar, shoe joint, and shoe. Blow hole dry with 2200 CFM air. Bucket test water at 5 gallons in 6.5 seconds = 1582 BWPD. Attempt to cavitate coal.

August 20, 1994 - Trip for plugged bit. Trip for plugged float. Wash and ream to 724.5 m (2377 feet). Pressure hole to 1200 psi. Release and circulate at 686.1 m (2251 feet). Cavitate coal.

August 21, 1994 - Cavitate coal with 2500 CFM air. Coal returns medium to fine. Gas flares from 1.5 m (5 foot) to 4.6 m (15 foot) for up to 15 sec. Bucket test water at 5 gallons in 8 seconds = 1286 BWPD.

August 22, 1994 - Cavitate coal with 2500 CFM air at 1200 psi. Coal returns medium to fine. Gas flares 1.5 m (5 foot) to 4.6 m (15 foot) for up to 30 seconds.

August 23, 1994 - Cavitate coal with 2500 CFM air and 20 bbl water sweeps. Coal returns medium to heavy, up to 1" pieces.

August 24, 1994 - Cavitate coal with 2500 CFM air and 20 bbl water sweeps. Coal returns medium to heavy, up to 3/4" pieces. Flare on connections. Bucket test water at 5 gallons in 4 seconds = 2571 BWPD.

August 25, 1994 - Cavitate coal with 2500 CFM air at 1050 psi and 20 bbl water sweeps at depth of 695.8 m (2283 feet). Coal returns heavy, 1/4" to 3/4" pieces.

August 26, 1994 - Cavitate coal with 2500 CFM air at 1175 psi and 20 bbl water sweeps at a depth of 695.8 m (2283 feet). Coal returns very heavy, 1/8" to 1/2" pieces.

August 27, 1994 - Cavitate coal with 2500 CFM air at 1100 psi and 20 bbl water sweeps at a depth of 695.8 m (2283 feet). Coal returns heavy. Downtime 7-1/2 hours for power swivel.

August 28, 1994 - Cavitate coal with 2500 CFM air at 1100 psi and 30 bbl water sweeps at a depth of 695.8 m (2283 feet). Coal returns heavy, 1/8" to 3/4" pieces. 3.0 m (10 foot) to 3.7 m (12 foot) flare for 3 minutes while cleaning hole.

August 29, 1994 - Cavitate coal with 2500 CFM air at 1120 psi. Clean hole with air and 30 bbl sweeps to 701.6 m (2302 feet). Coal returns 1/8" to 3/4" pieces. 1.8 m (6 foot) flare for 2 minutes while cleaning hole.

August 30, 1994 - Circulate and clean hole to 719.3 m (2360 feet). Trip for bit #6 and plugged float. Circulate and clean hole to 719.3 m (2360 feet). Coal returns heavy.

August 31, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps to 752.5 m (2469 feet). Coal returns moderate.

September 1, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps to 733.9 m (2408 feet). Coal returns light to moderate.

September 2, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweep to 705.3 m (2314 feet). Rig up Schlumberger to run spinner survey log. Could not get down with spinner survey. Continue to circulate and clean hole.

September 3, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps to 719.3 m (2360 feet). Heavy coal returns, 1/8" to 1/2" pieces. 9.1 m (30 foot) flare for 30 seconds after release of pressure for cavitating.

September 4, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps to 724.5 m (2377 feet). Coal returns heavy, 1/8" to 1/2". 3.0 m (10 foot) flare on connections.

September 5, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps at a depth of 724.5 m (2377 feet). Light coal returns, 1/8" to 1/4". 10 hours downtime with fan bearing on the power swivel.

September 6, 1994 - Circulate and clean hole with 2500 CFM air and 30 bbl water sweeps. Blow hole. Bucket test water at 5 gallons in 4 seconds = 2571 BWPD. Lay down drill pipe and drill collars. Nipple down upper set of BOP. Run 70 joints of 2-3/8", 4.7#, J-55 tubing. Land tubing at 673.0 m (2208 feet). Nipple down BOP equipment. Nipple up well head. Release rig 1:00AM September 6, 1994.

September 17, 1994 - Jet well with air at 350 MCF/day and 690 psi. Well making 2016 to 2052 BWPD.

September 18, 1994 - Jet well with air at 350 MCFD and 690 psi. Well making 2040 BWPD.

September 19, 1994 - Well shut in. Compressors down.

September 20, 1994 - Jet well with air at 350 MCFD and 700 psi for 18 hours. Well making 1697 BWPD.

September 21, 1994 - Jet well with air at 350 MCFD and 700 psi for 24 hours. Making 2112 BWPD.

September 22, 1994 - Jet well with air at 460 MCFD and 700 psi. Well making 2107 BWPD.

September 23, 1994 - Jet well with air at 460 MCFD and 700 psi. Well making 2088 BWPD.

September 24, 1994 - Jet well with air at 460 MCFD and 700 psi. Well making 2100 BWPB.

September 25, 1994 - Jet well with air at 460 MCFD and 700 psi for 12 hours. Well making 1044 BWPB. Release compressors.

November 28, 1994 - Move in and rig up service unit. Nipple down wellhead. Nipple up BOP equipment. Shut down for the night.

November 29, 1994 - Trip into hole with 2-3/8" tubing and tag fill at 725.4 m (2380 feet) KB. Coal is open. Trip out of the hole laying down the 2-3/8" tubing. Pick up and run notched collar, one joint of 3-1/2" tubing, 7" x 3-1/2" dynamic torque tubing anchor, 4-1/2" x 3-1/2" x 32' stator of Highland's 20H685 progressive cavity pump, and the production string of 68 joints of 3-1/2", 9.3#, J-55, EUE tubing. Land tubing at 675.4 m (2216 feet) KB.

November 30, 1994 - Run 32' x 2.224" rotor, 85 - 1" sucker rods with rod guides, 8' x 1" pony rod, and 16' x 1-1/4" polish rod. Rig down service unit and move off of location.

December 8, 1994 - Put well on production. Well pumped 18 days in December, making a total of 40,487 barrels of water. Average daily production 2249 BWPB. Average pH of 8.5. average fluid level of 182.9 m (600 feet). Produced no gas or solids.

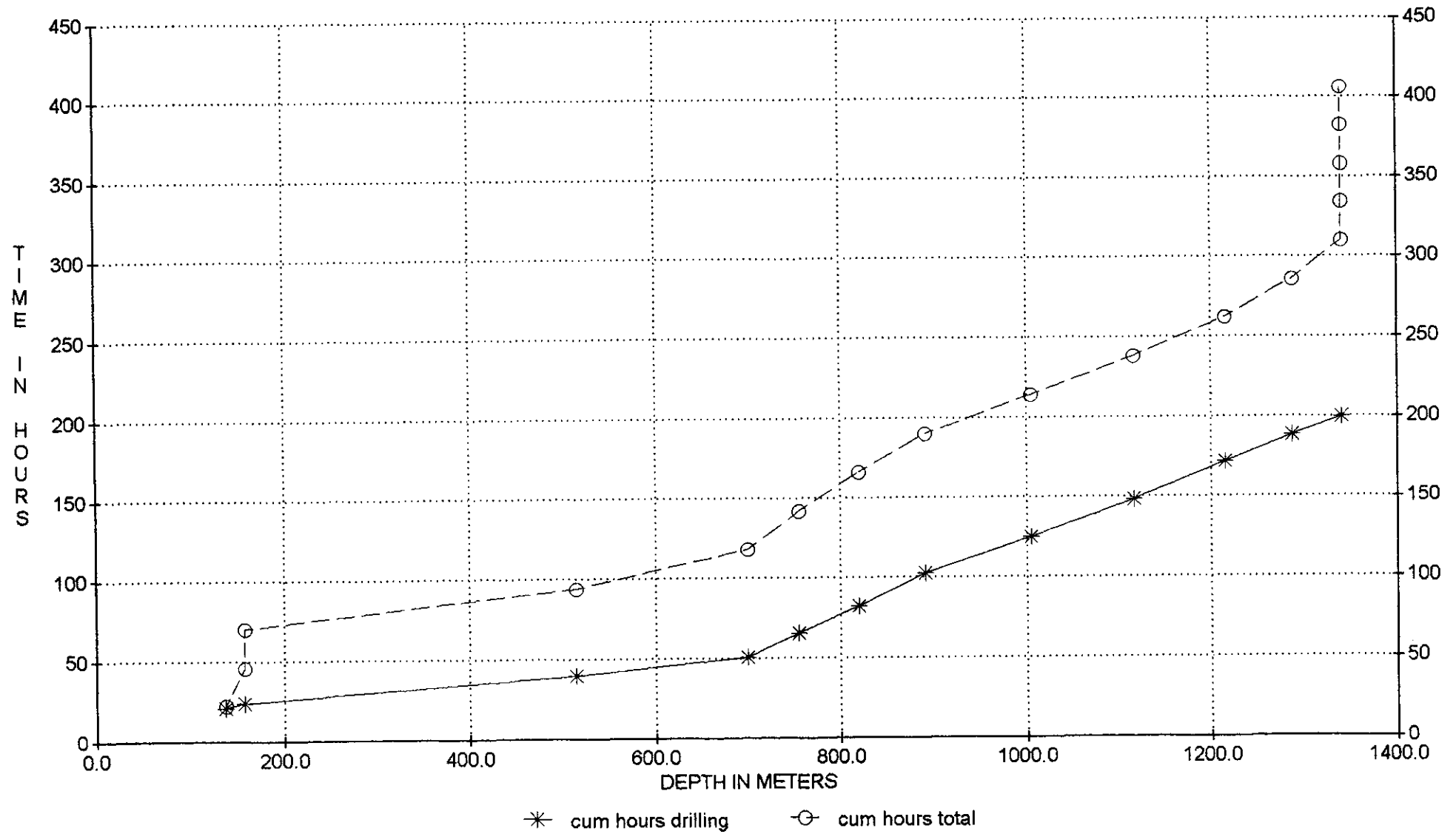
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FORMATION TOPS

FAIRVIEW #1

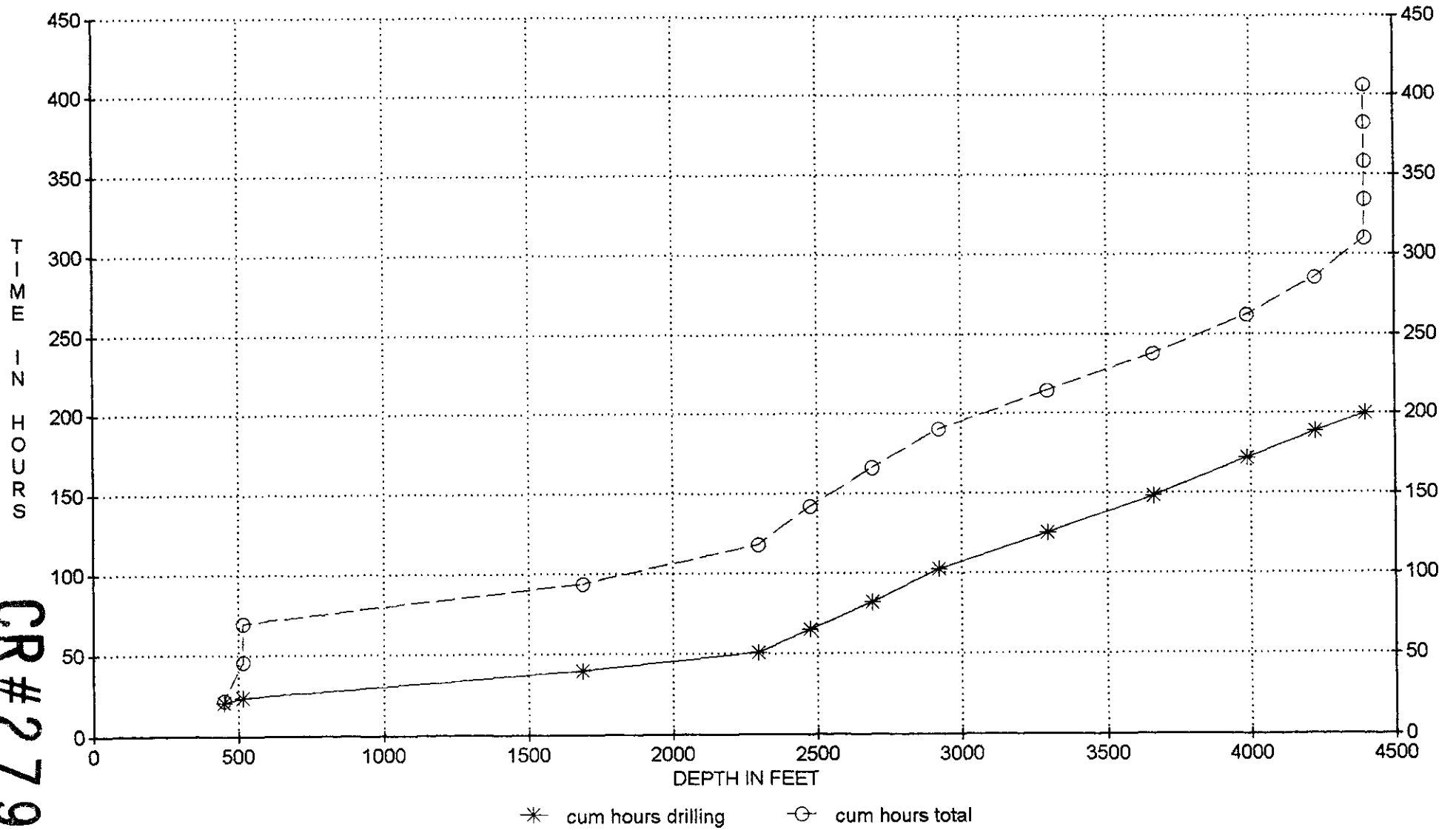
Formation:	Formation top from electric logs m kelly bushing
Precipice Sandstone	Surface
Rewan Shale	77.7 m (255 feet)
Permian (Bandanna Coal)	687.6 m (2,256 feet)
Devonian	1269.1 m (4,164 feet)

FAIRVIEW #1 DEPTH V TIME CURVE



CR#27622

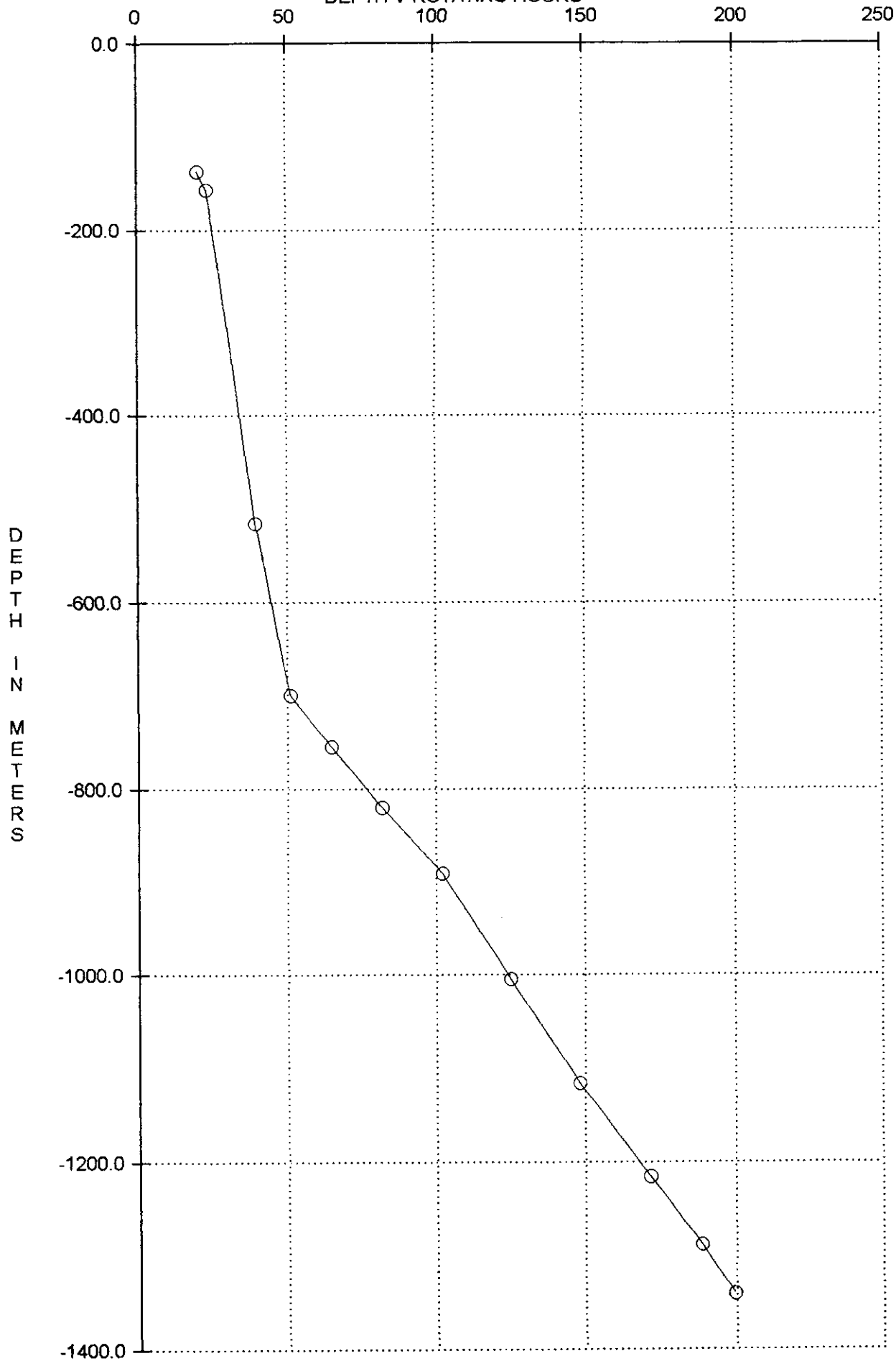
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DEPTH V TIME CURVE



CR#27932

FAIRVIEW #1

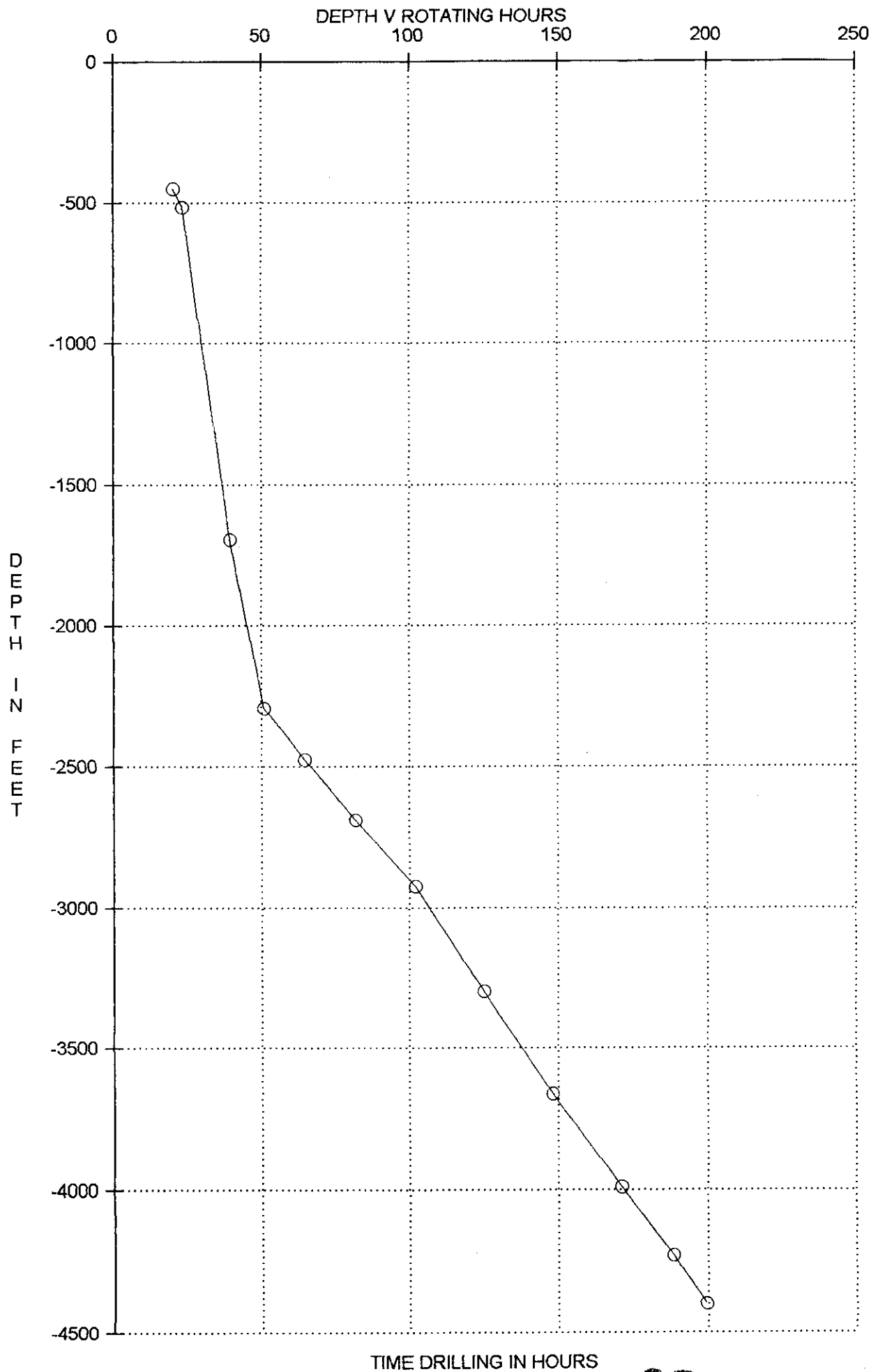
DEPTH V ROTATING HOURS



TIME DRILLING IN HOURS

CR #27032

FAIRVIEW #1



CR#27932

DRILL BIT SUMMARY

TRI STAR PETROLEUM FAIRVIEW #1

BIT DATA							OVERALL BIT PERFORMANCE									DRILLING PARAMETERS			
BIT No.	SIZE	MAKE	TYPE	IADC CODE	SERIAL No.	JETS	DEPTH (METERS)			DEPTH (FEET)			RATE OF PENETRATION			WEIGHT ON BIT (LBS)	RPM	MUD WEIGHT (PPG)	pH
							IN	OUT	METERS	IN	OUT	FEET	HOURS	METERS PER HOUR	FEET PER HOUR				
1	12-1/4"	SMITH	MFD SH	NEW	KX8355	14-14-14	4.0	157.3	153.3	13	518	503	23.5	8.5	21.4	5-15	70-110	9.4	
2	8-1/2"	SMITH	MFD SH	NEW	KX8880	OPEN	157.3	827.5	870.2	518	2,715	2,188	61.5	10.9	35.8	10-15	70-85	AIR/MIST	
3	8-1/2"	SMITH	F2	NEW	KX7308	OPEN	827.5	1,249.6	422.1	2,715	4,100	1,385	94.5	4.5	14.7	20-25	80-85	AERATED MUD	
4	8-1/2"	VAREL	V517	NEW	32893	OPEN	1,249.6	1,340.7	81.1	4,100	4,399	299	20.0	4.6	15.0	25-30	80-85	AERATED MUD	
5	6-1/4"	SMITH	F15	NEW	KW8881	OPEN	CAVITATE COAL												
6	6-1/4"	SMITH	FDT	NEW	LA5283	OPEN	CAVITATE COAL												

DEVIATION SURVEYS		
DEPTH		DEVIATION
METERS	FEET	
75.3	247	1/2"
148.7	488	1/4"
204.2	670	1/4"
287.3	877	3/4"
283.8	964	1/2"
446.5	1,485	1-3/4"
503.8	1,653	1-1/4"
856.5	2,154	3/4"
809.8	2,657	3/4"
924.1	3,032	3/4"
971.4	3,187	3/4"
1,122.5	3,683	1"
1,285.8	4,218	1"
1,333.4	4,375	1"

CR #27032

CEMENTING REPORT

DATE: August 02, 1994

WELL NAME:	FAIRVIEW #1	LOCATION:
FORMATION:		FIELD:

CASING SUMMARY

MAKE	NO. JTS	O.D.	WEIGHT	GRADE	THREAD	CASING LENGTH	SET AT
NIPPON	13	9-5/8"	36#	J-55	LT&C	493.7'	514' KB

TOOLS & ACCESSORIES	O.D.	THREAD	MAKE	SET AT
GUIDE SHOE	9-5/8"	LT&C	HALLIBURTON	514' KB
FLOAT COLLAR	9-5/8"	LT&C	HALLIBURTON	473' KB
3 CENTRALIZERS	9-5/8"		HALLIBURTON	494', 435', 285'

REMARKS

CEMENTING SUMMARY

CR#27032

STAGE	SACKS	CLASS	ADDITIVES	SLURRY WEIGHT	SLURRY VOLUME
1	50	"A"	DARRA NEAT	15.6 ppg	59 cu. ft
2	280	"A"	DARRA NEAT w/ 1% CaCl	15.5 - 17.0 ppg	330.4 cu. ft

CHEMICALS USED:

CEMENTING COMPANY	HALLIBURTON	EQUIPMENT:	RCM & BULK TRUCK
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DETAILS OF SERVICE

STAGE	STAGE TIME	DESCRIPTION	VOLUMES	CIRCULATION	PLUG DOWN AT
1	4 min	Preflush	10 bbls	5 BPM @ 400 psig	20:07
2	5 min	Pressure Test	0 bbls	0 BPM @ 1500 psig	20:11
3	2 min	Preflush	10 bbls	5 BPM @ 400 psig	20:16
4	10 min	Class "A" slurry	10.5 bbls	5 BPM @ 400 - 200 psig	20:18
5	12 min	Class "A" slurry	58.8 bbls	5 BPM @ 200 - 100 psig	20:28
6	8 min	Displacement	37 bbls	5 BPM @ 0 - 1500 psig	20:40 on 2-AUG-94

TOP OF CEMENT AND METHOD DETERMINED TOP OF CEMENT AT SURFACE, CIRCULATED 33 BBLS OF CEMENT TO THE SURFACE

MENTING REPORT

DATE: 15-AUG-95

WELL NAME:	FAIRVIEW #1	LOCATION:
FORMATION:		FIELD:

CASING SUMMARY

MAKE	NO. JTS	O.D.	WEIGHT	GRADE	THREAD	CASING LENGTH	SET AT
NIPPON		7"	23#	J-55	LT&C		2240' KB

TOOLS & ACCESSORIES	O.D.	THREAD	MAKE	SET AT

REMARKS

CEMENTING SUMMARY

CR # 21072

STAGE	SACKS	CLASS	ADDITIVES	SLURRY WEIGHT	SLURRY VOLUME
1	210	"A"	6% GEL, .025 GAL/BBL NF-3	13.2	391 cu ft
2	430	"G"	1% SALT, .025 GAL/BBL NF-3	15.8	495 cu ft

CHEMICALS USED:

CEMENTING COMPANY	HALLIBURTON	EQUIPMENT:
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DETAILS OF SERVICE

STAGE	STAGE TIME	DESCRIPTION	VOLUMES	CIRCULATION	PLUG DOWN AT
		Class "A" slurry	70 Bbls		
		Class "G" slurry	88 Bbls		
		Drop Plug	0 Bbls		
		Displacement	86 Bbls		9:28 PM on 15-AUG-95

TOP OF CEMENT AND METHOD DETERMINED Top of cement at surface. Circulated 11 Bbls of cement to the surface

Well Name & No.: Fairview #1

Elevations

G.L.: 1499.7'

K.B.: 1513.2'

Location

Longitude: 148 57 30.0492 E

Latitude: 25 36 56.1316 S

Easting: 696 645.1

Northing: 7 165 422.7

Tubing Size: 3-1/2"

Number Joints: 68, pump, & 1

Weight : 9.3#

Grade : J-55

Set at : 2220'

Other Equipment: stator at 2150'

7"x3-1/2" dynamic torque anchor

Highland 20H685 PC pump

anchor at 2183', notched collar

Rod Size: 1"

Number of Rods:

85

Polished Rod: 1-1/4"x16'

Other Equipment

32' x 2.224" rotor w/ 1" pin

Formation Tops

Precipice Sandstone Surface

Rewan Shale 255'

Bandanna Coal 2257'

Devonian 4164'

Interval Depths

Top Coal: 2257' - 2275'

2nd Coal: 2343' - 2354'

3rd Coal: 2393' - 2395'

Date Updated: 2-13-95

Spud Date: 8-1-94

Completion Date: 11-28-94

Surface Equipment fuel tank

generator

PCP power head and control panel

Surface casing: 9-5/8"

Weight: 36#

Grade: J-55

Set at: 514' KB

Cemented With

Sacks/Class: 330 sacks Class "A"

Yield/Weight: 1.18 cu.ft./sk, 15.6ppg

Cement Top: surface, circulated

30-35 Bbls cement to surface

Additives: 1% CaCl

CR#27932

Production Casing

Size: 7"

Weight : 23#

Grade : J-55

Set at : 2240' KB

Cemented with

Lead

Sacks/Class : 210 sacks Class "A"

Yield/Weight : 1.85 cu ft/sk, 13.2 ppg

Additives : 6% gel, .025 gal/Bbl NF-3

Tail

Sacks/ Class : 430 sacks Class "G"

Yield/ Weight: 1.15 cu ft/sk, 15.8 ppg

Additives : 1%CaCl, .025gal/Bbl NF-3

Cement Top : surface, circulated

11 Bbls cement to surface

PBTD: 2470' KB

TD: 4399' KB

**TRI - STAR PETROLEUM COMPANY
PIPE RECORD**

Well Name: FAIRVIEW

Well No. 1

Date: 11-29-94

PIPE TALLY-SHOW EVERY PIECE OF EQUIPMENT GOING INTO THE HOLE IN THE ORDER RUN.

PIPE TALLY-SHOW EVERY PIECE OF EQUIPMENT GOING INTO THE HOLE IN THE ORDER RUN.															
COLUMN 1		COLUMN 2		COLUMN 3		COLUMN 4		COLUMN 5		COLUMN 6		COLUMN 7		COLUMN 8	
JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET
1	31.67	21	31.29	41	31.30	61	31.30	81		101		121		141	
2	1.80	22	31.65	42	31.27	62	31.31	82		102		122		142	
3	32.63	23	31.67	43	31.63	63	31.33	83		103		123		143	
4	31.60	24	31.65	44	31.30	64	31.34	84		104		124		144	
5	31.68	25	31.32	45	31.62	65	31.31	85		105		125		145	
6	31.68	26	31.65	46	31.30	66	31.65	86		106		126		146	
7	31.67	27	31.31	47	31.63	67	31.29	87		107		127		147	
8	31.64	28	31.62	48	31.61	68	31.63	88		108		128		148	
9	31.31	29	31.30	49	31.62	69	31.30	89		109		129		149	
10	31.32	30	31.32	50	31.63	70	31.33	90		110		130		150	
11	31.67	31	31.31	51	31.62	71	31.35	91		111		131		151	
12	31.31	32	31.29	52	31.63	72	31.65	92		112		132		152	
13	31.29	33	31.29	53	31.63	73	31.32	93		113		133		153	
14	31.33	34	31.63	54	31.63	74	31.63	94		114		134		154	
15	31.62	35	31.29	55	31.62	75	31.29	95		115		135		155	
16	31.31	36	31.29	56	31.63	76	31.37	96		116		136		156	
17	31.31	37	31.28	57	31.61	77	31.36	97		117		137		157	
18	31.63	38	31.28	58	31.61	78	31.35	98		118		138		158	
19	31.29	39	31.29	59	31.63	79		99		119		139		159	
20	31.32	40	31.31	60	31.30	80		100		120		140		160	
TOTAL		601.1		628		630.8		565.1		0		0		0	
Jts. on rack before running 77 Jts. left on rack after running 7 No. Jts. run 70															
COL	ITEM							JTS.	O.D.	WT.	GR.	THR	MAKE	FEET	
1	TUBING							19	3-1/2"	9.3#	J-55	8rd		601.08	
2	TUBING							20	3-1/2"	9.3#	J-55	8rd		628.04	
3	TUBING							20	3-1/2"	9.3#	J-55	8rd		630.82	
4	TUBING							18	3-1/2"	9.3#	J-55	8rd		565.11	
5														0.00	
6														0.00	
7														0.00	
8														0.00	
REMARKS:										TOTAL ON RACKS				2425.05	
BOTTOM OF TUBING AT 2216.58'										JOINTS NOT RUN (-)				219.97	
TUBING ANCHOR AT 2183.11'										CUT OFF (-)					
TOP OF PUMP AT 2150.48'										TOTAL				2205.08	
										KB ABOVE GROUND (+)				11.50	
										LANDED AT				2216.58	
										CO. REP: BROWNING					

CR#27932

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 08/01/94

SPUD DATE _____

WELL NAME AND NO. Fairview #1 REPORT NO. 1
 SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
 CASING: _____ " set at _____ " set at _____ " set at _____
 CASING: _____ " set at _____ " set at _____ " set at _____
 LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
 LAST LOG DEPTH _____ CONTRACTOR ODEE - Rig 20

DEPTH: 98 at 6:00 a.m. report time: made 98 feet of hole last 24 hours

Operation at report time Drilling

MUD: Weight Air #1 gal. Visc. 150 cfm, 160-170 psi W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #1 bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: _____ ° _____ ° _____ ° _____ °

Drilling with: 5 M # Weight on bit: rotating: 70-100 rpm: 4 hours this date 4 cum. hours this bit.

#1 Pump 6 " X 7 " X 165 spm = _____ psi S.P. GPM _____ ECD _____

#2 Pump 7 " X 8 " X 165 spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>1</u>	<u>12 1/4</u>	<u>STC</u>	<u>MPDSH</u>	<u>3-14 1/2</u>	<u>0</u>	<u>INC</u>						
		<u>KY 9355</u>	<u>SER *</u>									

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. _____ ACTIVITY _____

6:00A - 4:00P Rig up conductor riser and hook up block lines

4:00P - 6:30P Drly Rathole

6:30P - 8:30P Drly Mousehole

Spud well @ 8:00AM, 08/01/94

8:30P - 11:00A Rig up rotating head

1:00A - 2:00A Pre Spud Safety Meeting

2:00A - 6:00A Drly

MORNING REPORT

4-CV-0009 (Rev. 6-82)

REPORT DATE 8/2/94

SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 2
 SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
 CASING: _____ " set at _____ " set at _____ " set at _____
 CASING: _____ " set at _____ " set at _____ " set at _____
 LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
 LAST LOG DEPTH _____ CONTRACTOR ODFE-Rig 20

DEPTH: 516 at 6:00 a.m. report time: made 418 feet of hole last 24 hours
 Operation at report time ND Conductor pipe riser and 135/8" Rotating head.
 MUD: Weight 9.4 #/ gal. Visc. 45 Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ "32" _____ pH _____
 LCM 8-9 #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
 Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____
 DEVIATION: 247 1/2 488 1/4 _____
 Drilling with: 10-15 M # Weight on bit: rotating: 90-110 rpm: 19.5 hours this date 23.5 cum. hours this bit.
 Pump 6 " X 7 " X 165 spm = _____ psi S.P. GPM 424 ECD _____
 Pump 7 " X 8 " X 165 spm AVDP _____ fpm AVDC _____ fpm
 Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth 9

KX0355

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
1	12 1/4	MFOSH	STC	3-14's	0	516	516					

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

8/1 6:00A - 7:00A Drlg 12 1/4 hole - Hrs ~~no~~ 98' - 109' 1583 SCFM Air @ 160 psi 1.0
 7:00A - 8:00A Pull stand of 6 1/4 DC, replace w/ 8" - ~~no~~ 1.0
 8:00A - 1:30P Drlg 12 1/4" hole w/ air. Hole got wet @ 235' (109' - 235') ~~55~~ 2300 SCFM Air 5.5
 1:30P - 3:30P Drlg 12 1/4" hole w/ aerated mud (235' - 287') ~~228~~ 320 GPM + 250 SCFM 2.0
 3:30P - 4:00P Survey @ 247' - 1/2" ~~0.5~~ ^{losing some mud on initial} 0.5
 8/2 4:00P - 3:00A Drlg 12 1/4" hole (287' - 516') ~~228~~ 260 gpm mud + 250 SCFM Air 11.0
 3:00A - 4:00A Cutoff Air, Circ & cond hole 1.0
 4:00A - 4:30A Survey @ 488' - 1/4" 0.5
 4:30A - 5:30A P004 - LD 2-8" DC 1.0
 5:30A - 6:00A ND conductor riser. 0.5

Note: 9.4 mud aerated
 is = 6.9 # mud

Mud Used:

7/30/94: 112 sxs Aquagel

7/31/94:

8/1/94: 3 sxs lime

120 sxs gel

25 sxs Barofibre

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 9/3/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 3
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: _____ " set at _____ " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR _____

DEPTH: 516' at 6:00 a.m. report time; made 0 feet of hole last 24 hours
Operation at report time WOC
MUD: Weight 9.37 gal. Visc. 41 Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm: 0 hours this date 23.5 cum. hours this bit.
Pump 6 " X 7 " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump 7 " X 8 " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>1</u>	<u>12 1/4</u>	<u>STC</u>	<u>MFDH</u>	<u>3-14's</u>	<u>0</u>	<u>516</u>	<u>516</u>	<u>22</u>	<u>1</u>	<u>1</u>	<u>I</u>	

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY

8/2 6:00A - 8:00A ND Conductor pipe riser 2.0
8:00A - 10:00A Rig up 9 5/8" casing tools 2.0
10:00A - 1:00P Run 9 5/8" casing. 13 jts, 9 5/8" 36ppf, J-55, LTic Nippon 3.0
493.70'. Casing stopped at 487'. Rig up swage.
1:00P - 8:00P WASH casing down to 497'. Pipe became plugged and stuck 7.0
while washing down landing joint. Work casing with up to 110000# overpull & 800/1200 psi pressure. Pulled out to 459'.
Pump bridge out, regain circulation. Circulate hole clean to 515'. Rig up Houco. CSA 514' KB, FC @ 473' KB.
8:00P - 9:00P Cement with Halliburton. Pump 10 bbls. Fresh water preflush. Pressure 1.0
test surface lines to 1500 psi. Pump 10 bbls. fresh water preflush. Pump 50 sxs (10.51 bbls) of Class A mixed at 15.6 ppg, followed with 280 sxs (58.8 bbls) Class A w/ 1% Cell. Drop plug. Displace with 37 bbls water. Bump plug to 1500 psi. Check float - did not hold. Pump to pressure casing to 500 psi. Shut in. Circulated 30-35 bbls. cement to surface. PD @ 9:00P, 8/2/94.
9:00P - 5:00A WOC w/ casing pressured. 8.0
5:00A - 6:00A Check for flow back - none. Slack off on casing - okay. Back out landing 1.0
jt.

MUD USED: 160 sxs KCl

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 7/4/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 4
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/8 " set at 514 " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR ODE, Rig 20

DEPTH: 568 at 6:00 a.m. report time: made 52 feet of hole last 24 hours

Operation at report time Drilling

MUD: Weight Air/Dust Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #1 bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____

DEVIATION: _____ ° _____ ° _____ °

Drilling with: 15 M # Weight on bit: rotating: 70-75 rpm: 0.5 hours this date 0.5 cum. hours this bit.

Pump 6 " X 7 " X 165 spm = 175 psi S.P. GPM _____ ECD _____

Pump 7 " X 8 " X 165 spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>2</u>	<u>8 1/2</u>	<u>STC</u>	<u>MADSSH</u>	<u>open</u>	<u>516</u>	<u>INC.</u>						

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 6179 Cum Mud \$ 6479.00 Daily Well \$ 36492.- Cum Well \$ 300094.-

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY

8/3 6:00A-7:00P NU 11" 5000 # Drilling stack, 11" 3000 # casing head 13.0
7:00P-8:00P Press test blino rams & choke manifold to 1500 psi 1.0
8:00P-9:00P Slip & cut drilling line. 1.0
9:00-11:00P Redrill mouse hole 2.0
11:00P-12:30A Make up BHA and T.H. 1.5
8/4 12:30A-1:00A Slip 25' drlg. line 0.5
1:00A-2:00A Tag cement at 469'. Drill cmf and float collar to 477'. 1.0
2:00A-2:30A Test pipe rams and annular to 1500 psi. 0.5
2:30A-4:00A Install stripper rubber, adjust turnbuckles on stack 1.5
2:30A-3:00A Drill remainder of shoe cut and shoe at 514'. Circulate to 516'. 0.5
3:00A-4:00A Install stripper rubber and adjust turnbuckles on stack. 1.0
4:00A-5:30A Dry up hole while drilling from 516' to 525'. 1.5
5:30A-6:00A Drill from 525'-568' 0.5

MORNING REPORT

4-CV-0009 (Rev. 8-82)

REPORT DATE 8/5/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview REPORT NO. 5
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 950 " set at 514 " set at _____ " set at _____
CASING: " set at _____ " set at _____ " set at _____
LINER: " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR OD & E, Rig 20

DEPTH: 1973 at 6:00 a.m. report time: made 1405 feet of hole last 24 hours

Operation at report time Drilling

MUD: Weight _____ #1 gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #1 bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: 670 1/4 877 3/4 964 1/2 1465 1 3/4 1653-1/4

Drilling with: 10-15 M # Weight on bit: rotating: 80 rpm: 19.5 hours this date 20.0 cum. hours this bit.

Pump _____ " X _____ " X _____ spm = 180 psi S.P. GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>2</u>	<u>8 1/2</u>	<u>MSTC</u>	<u>MFDSSH</u>	<u>OPEN</u>	<u>516</u>	<u>IN</u>	<u>1457</u>	<u>73</u>				

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 582.- Cum Mud \$ 7066.- Daily Well \$ 23650.- Cum Well \$ 323744.-

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/4 6:00A - 9:00A Drill from 568-~~670~~ 15K WEB, 70-75RPM, 1130 CFM Air @ 180psi 3.0
9:00A - 9:30A Survey at 670. 0.5
9:30A - 11:00A Drill from 670 to 877 15-20K WEB, 70-75RPM, 1130 CFM Air @ 180psi 1.5
11:00A - 11:30A Survey at 877 0.5
11:30A - 1:00P Drill from 877 to 980' 15-20K WEB, 80-100 RPM, 1500 CFM Air @ 180psi 1.5
1:00 - 1:30P Take natural gauge @ 980' - TSTM, No blow at all. 0.5
1:30P - 2:00P Drill from 980-1003' 15-20K WEB, 80-100 RPM, 1500 CFM Air @ 180psi 0.5
2:00P - 2:30P Survey @ 964', increase WOB to 20-25K 0.5
2:30P - 7:00P Drill from 1003-1464. Started getting some connection gas between 1250-1300. Amount of connection gas increasing to 1411 to 1443'. Hole went wet between 1411 and 1443. Switch to mist, 5BPH injected w/ 1200 CFM AIR. Former at 11. 4.5
7:00P - 8:00P Circulate hole clean to establish mist circulation. 1.0
8:00P - 8:30P Mist drill from 1464-1505' 0.5
8:30P - 9:00P Survey @ 1465' 0.5
9:00P - 12:00A Mist drill from 1505' to 1692'. Increase Air volume to 1500 CFM @ 1568' 3.0
12:00 - 12:30A Survey at 1653-1740 0.5
12:30A - 2:30A Mist drill from 1692' to 1800' 2.0
2:30A - 3:00A Natural gauge test @ 1800'. 15 mins. TSTM. Started with faint blow but ended at nothing. 0.5
3:00A - 6:00A Mist drill from 1800' to 1973'. 3.0

Used 1 drum former

MORNING REPORT

TV-0009 (Rev. 6-82)

REPORT DATE 8-6-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 6
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/B " set at 514' " set at _____ " set at _____
CASING: " set at _____ " set at _____ " set at _____
LINER: " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR DD&E, Rig 20.

DEPTH: 2375 at 6:00 a.m. report time: made 402 feet of hole last 24 hours
Operation at report time Drilling w/ aerated water
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____
DEVIATION: 2.154 3/4 ° _____ ° _____ ° _____
Drilling with: 10-15 M # Weight on bit: rotating: 80 rpm: 12.5 hours this date 32.5 cum. hours this bit.
Pump 6 " X 7 " X 72 spm = 150 psi S.P. GPM 176 ECD _____
Pump " X " X " spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>2</u>	<u>8 1/2"</u>	<u>STC</u>	<u>MADSSH</u>	<u>OPEN</u>	<u>514</u>		<u>1859</u>	<u>57</u>	<u>1</u>	<u>1</u>	<u>I</u>	

EAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 515.00 Cum Mud \$ 7581.- Daily Well \$ 22141.- Cum Well \$ 345885.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

6/5 6:00A - 8:00A Mist Drill from 1973' to 2067'. WOB: 10-15K, RPM-80, 5BPH mist, 1300CFM Air, 1% foam 2.0 -
8:00A - 8:30A Work pipe on connection at 2067'. Plugged. 0.5
8:30A - 9:00A Repair Drum clutch 0.5
9:00A - 10:30A (POOH to check bit. 1.5
10:30A - Noon Unplug bit, bit sub & shock sub. Tetro ring smashed, Float valve trashad 1.5
NOON - 1:30P RIH w/ RR of bit #2. Install 4R Float valve. 1.5
1:30P - 2:00P Wash & Ream from 2037-2067' 0.5
2:00P - 4:00P Drill (mist) from 2067'-2193'. WOB: 10-15K, RPM-80, 5 bph mist, 1300CFM Air. 2.0 -
1% foam, 180 psi
4:00 - 4:30P Survey @ 2154' - 3/4 0.5
4:30P - 6:00P Mist Drill from 2193 - 2288, WOB: 10-15K, RPM-80, 5 bph mist, 1300CFM Air 1.5 -
1% foam, 180 psi
6:00P - 11:00P Work tie hole, changeover to mud. Connection at 2288' tie. Hole 5.0
bridging at 2278'. Increase foam to 2% and water injection to 10 bph to
sweep hole. Stabilized circulation and rotation but well still bringing
up large amounts of coal & shale. Mixed 50 bbl. deframer sweep and
200 bbls. 3% KOL polymer mud. Pump deframer sweep followed by
mud aerated w/ 100 SCFM. Pump rate - 4BPM. Stabilized hole.
11:00P - 6:00A Drill from 2288' - 2307' with 4 BWPM, 100-150 SCFM Air, WOB: 10-15K. 7.0 -
RPM-80. @ 2307' increased air volume to 250 SCFM. Drilled to 2319'.
@ 2319' increased WOB to 15-20K. Drilled to 2375'.

4 - EZ Mud - liberat
1 - Bradeform W380

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 8/7/94
SPUD DATE 8/11/94

WELL NAME AND NO. Fairview #1 REPORT NO. 7
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514 " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR DD&E, Rig 20

DEPTH: 2476 at 6:00 a.m. report time: made 101 feet of hole last 24 hours
Operation at report time Circulating to bottom
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit: rotating: _____ rpm: 8.0 hours this date 41.0 cum. hours this bit.
Pump 6 " X 7 " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump 7 " X 8 " X _____ spm AVDP _____ fpm AVDC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>2</u>	<u>8 1/2</u>	<u>STC</u>	<u>MADSSH</u>	<u>open</u>	<u>516</u>	<u>Inc</u>	<u>1960</u>	<u>48</u>	<u>3</u>	<u>3</u>	<u>I</u>	<u>92 mp-</u>

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 2778.- Cum Mud \$ 10359.- Daily Well \$ 23615.- Cum Well \$ 369500.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY

8/6 6:00A - 2:00P Drill from 2307-2476 w/ 15-20K WOB, 80 RPM, 4 BWPM, 250 CFM 8.0
dir @ 180 psi.
2:00P - 3:30P Work tight connection at 2476. Pump 50 bbl polymer mud sweep. 1.5
3:30P - 4:30P Pull out of hole to shoe. Float leaking. 1.0
4:30P - 9:30P Repair swivel packing (4:30-7:30). Modify gas vent on poor boy degasser to vent to bleed line. Replace slipper rubber. Mix 3% KCl polymer mud. 5.0
9:30P - 10:00P POOH to check float & bit. 5 hour SIP - 100 psig. Blew down to 5-6 ft. Flare. Float okay. Bit condition - 3-3-I. 0.5
10:00P - MN RHT to 2180'. 2.0
8/7 MN - 3:30A Unable to break circulation. POOH. Clear float, bit sub, and shock sub 3.5
3:30 - 4:30A RHT to shoe, slip & cut drilling line. 1.0
4:30 - 6:00A RHT to 2180'. Break circulation. 1.5

Mud used: 60 sxs KCl

20 sxs Bt

1 sxs Lime

4 cans E2 Mun

1 can Deformer

1 drum Thick Foam

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 8-8-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 8
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9518 " set at 514 " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR OD&E, Rig 20

DEPTH: 2715 at 6:00 a.m. report time: made 239 feet of hole last 24 hours
Operation at report time Trip for bit #3
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: 2657 3/4 ° _____ ° _____ ° _____
Drilling with: 10-15 M # Weight on bit: rotating: 85 rpm: 20.5 hours this date 61.5 cum. hours this bit.
Pump 6 " X 7 " X 72 spm = 200 psi S.P. GPM 176 ECD
Pump _____ " X _____ " X _____ spm AVDP 83 fpm AVDC 130 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>2</u>	<u>8 1/2</u>	<u>MEDSSH</u>	<u>STC</u>	<u>OPEN</u>	<u>514</u>	<u>2715</u>	<u>2199</u>	<u>36</u>	<u>4</u>	<u>5</u>	<u>1/16</u>	
<u>3</u>	<u>8 1/2</u>	<u>F20D</u>	<u>STC</u>	<u>OPEN</u>	<u>2715</u>							

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 760.- Cum Mud \$ 11119.- Daily Well \$ 32268 Cum Well \$ 401768.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

8/7 6:00A - 6:30A Break circulation with 4 BPM (72 strk/min - No.1) 3% kcl polymer mud cum 0.5
250 CFM air.
6:30 - 7:00A RHT to 2436' 0.5
7:00A - NOON Wash 30' to bottom. Drill from 2476 - 2560', WOB - 15/20k, RPM - 85, 250
4 BPM mud circ. rate, 250 CFM air, 200 psi SPP. MW in - 8.6 ppg, Visc - 31
NOON - 12:30A Drill from 2560 to 2690', WOB - 15/20k, RPM - 85, 4 BPM mud circ. rate, 12.5
Air - 250/300 CFM, 200 psi SPP, MW in - 8.8/9.0 ppg, Visc - 31
8/8 12:30A - 1:00A Circulate and survey at 2657' - 3/4 0.5
1:00A - 4:00A Drill from 2690 to 2715' 3.0
4:00A - 6:00A TFB #3 2.0

1 drum Quick Foo
15 x 8s Aquagel
1 can EZMUD

MORNING REPORT

CV-0009 (Rev. 6-82)

REPORT DATE 8/9/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 9
SUPERVISOR: Bob Felder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514' " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR OO&E, Rig 20

DEPTH: 3010 at 6:00 a.m. report time: made 295 feet of hole last 24 hours
Operation at report time Drilling
MUD: Weight 8.8 #/ gal. Visc. 30-31 Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____
DEVIATION: _____
Drilling with: 20-25 M # Weight on bit: rotating: 85 rpm: 22.5 hours this date 22.5 cum. hours this bit.
Pump 6 " X 7 " X 72 spm = 220 psi S.P. GPM 176 ECD _____
Pump _____ " X _____ " X _____ spm AV DP 83 fpm AV DC 130 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>3</u>	<u>8 1/2"</u>	<u>STC</u>	<u>F2-00</u>	<u>OPEN</u>	<u>2715'</u>		<u>295</u>	<u>13</u>				
		<u>Kx 7304</u>										

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 670.- Cum Mud \$ 11789.- Daily Well \$ 23560.- Cum Well \$ 425328.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/8 6:00A - 7:00A Trip for bit #3 1.00
7:00A - 3:30P Drill from 2715 to 2822' WOB: 20/25, RPM: 85, 350 CFM Air @ 220 psi. 8.50
MW(in) 8.7-8.8. Visc 30-31. Pump rate: 4 BPM
3:30P - 4:00P Work tie connection at 2751'. 0.50
8/9 4:00P - 6:00A Drill from 2822' to 3010'. WOB: 20/25k RPM: 85 350 CFM Air @ 220 psi. 14.00
MW(in) 8.7-8.8 Visc: 30-31. Pump rate: 4 BPM

2 EZ Mud L
25 Gel

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 8/10/94
SPUD DATE 8/11/94

WELL NAME AND NO. Fairview #1 REPORT NO. 10
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/8 " set at 514 " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR ODE, Rig 20

DEPTH: 3413 at 6:00 a.m. report time: made 403 feet of hole last 24 hours
Operation at report time Drilling
MUD: Weight 8.7 #/ gal. Visc. 30 Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: 3032 314 3187 314 _____
Drilling with: _____ M # Weight on bit: rotating: _____ rpm: 23.0 hours this date 48.5 cum. hours this bit.
Pump 4 " X 7 " X 72 spm = 200 psi S.P. GPM 174 ECD _____
Pump _____ " X _____ " X _____ spm AVDP 83 fpm AVDC 130 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE. MARKS
<u>3.</u>	<u>8 1/2</u>	<u>STC</u>	<u>F2-OD</u>	<u>OPEN</u>	<u>2715</u>		<u>698</u>	<u>15</u>				

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 426 - Cum Mud \$ 12215.- Daily Well \$ 21914.- Cum Well \$ 447242.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS:

HRS. ACTIVITY
8/9 6:00A-9:00A Drill from 3010-3071'. WOB: 20/25k RPM: 85 380CFM air at 220psi 3.0
MW(In)-8.6 Visc: 30 Pump rate: 4 BPM
9.00-9:30A Survey @ 3032 - 3140 0.5
9.30A-6:30P Drill from 3071 to 3226'; WOB: 25/30K RPM: 85 350CFM air at 200psi 9.0
Increased air to 400 CFM at 3071. Mud starting to foam. Cut air back to 350 CFM. MW(In)-8.7ppg Visc-30 Pump rate: 4 BPM
6:30P-7:00P Survey at 3187-3140 0.5
8/10 7:00P-6:00A Drill from 3226-3413. WOB: 25/30K RPM: 85 350CFM air at 200psi 11.0
MW(In) 8.7 ppg. Visc-30. Started picking up reals again in 3336 range. Occasional puffs of blue flame out blowie line. Mud foaming. CO2 increased. Overall gas increase.

GEL- 14 SXS
E2 Mud - 2 ccs
Lime - 2 SXS

MORNING REPORT

M-CV-0009 (Rev. 6-82)

REPORT DATE 8/11/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 11
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514' " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR ODE, Rig 20

DEPTH: 3738 at 6:00 a.m. report time; made 325 feet of hole last 24 hours
Operation at report time Drilling
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ / 32" pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Ft. _____ Gel Strength _____
DEVIATION: 3683 " _____
Drilling with: 20-25 M # Weight on bit: rotating: 80-95 rpm: 22.5 hours this date 68.0 cum. hours this bit.
Pump 6 " X 7 " X 72 spm = 200 psi S.P., GPM 176 ECD _____
Pump _____ " X _____ " X _____ spm AVDP 83 fpm AVDC 130 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>3</u>	<u>8 1/2</u>	<u>STC</u>	<u>F2-00</u>	<u>open</u>	<u>2715</u>	<u>inc.</u>	<u>1023</u>	<u>15</u>				

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 691.- Cum Mud \$ 12906.- Daily Well \$ 22934.- Cum Well \$ 470176.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/10 6:00A - 8:00A Drill from 3413 to 3443'. WOB: 25/30K RPM: 85 350CFM air @ 200psi 2.0
MW(in) 8.3 Visc: 32 Pump rate: 4BPM, MUD foaming severely.
8:00A - 8:30A Change out rotating head rubber 0.5
8:30A - 12:00 Drill from 3443 to 3516. WOB: 25/30K RPM: 85 350CFM air @ 200psi 3.5
MW(in) - 8.4 Visc: 29 Pump rate: 4BPM
12:00 - 12:30P Circ. up sample from 3516' 0.5
8/11 12:30P - 4:00A Drill from 3516 to 3722. WOB: 25/30K RPM: 80-95 300CFM air @ 200psi 15.5
MW(in) - 8.4 to 8.5 Visc: 30 Pump rate: 4BPM Cut air volume back at 5:30PM to reduce foaming. Add defoamer to pit.
4:00A - 4:30A Survey at 3683 - 10 0.5
4:30A - 6:00A Drill from 3722 to 3738. WOB: 25/30K RPM: 85 280CFM air @ 200psi 1.5

Gul - 24 SXS
EZ MUD - 2 cans
W300 Defoamer - 1 can

MORNING REPORT

M-CV-0009 (Rev. 6-82)

REPORT DATE 8/12/94
SPUD DATE 8/1/94

WELL NAME AND NO. FAIRVIEW #1 REPORT NO. 12
SUPERVISOR: Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/8 " set at 514 " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR OD&E, Rig 20

DEPTH: 4064 at 6:00 a.m. report time: made 326 feet of hole last 24 hours
Operation at report time Drilling
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ / 32" pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____
Drilling with: 20-25 M # Weight on bit: rotating: 80 rpm: 24.0 hours this date 92.0 cum. hours this bit.
Pump 6 " X 7 " X 72 spm = 250 psi S.P., GPM 176 ECD
Pump _____ " X _____ " X _____ spm AVDP 83 fpm AVDC 130 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>3</u>	<u>8 1/2</u>	<u>STC</u>	<u>F2-OD</u>	<u>open</u>	<u>2715</u>		<u>1349</u>	<u>15</u>				

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 886.- Cum Mud \$ 13792.- Daily Well \$ 23204.- Cum Well \$ 493380.-
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS:

HRS. _____ ACTIVITY
8/11 6:00A-6:00A(8/12) Drill from 3738' to 4064. WOB: 20/25k RPM: 80 24.0
Air (to 3911') 250 CFM @ 250 psi. Increased to 300 CFM at 3911
after mud stabilized.
MW(in) - 8.3 to 8.8 ppq. Visc: 30-32 pH: 9

Gel - 24
Lime - 3
KCl - 24
W300 - 1

MORNING REPORT

M-CV-0009 (Rev. 8-82)

REPORT DATE 8-13-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 13
SUPERVISOR: Bob Fielder / Charles Noles LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/8 " set at 514' " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR ODE, Rig 20

DEPTH: 4289 at 6:00 a.m. report time; made 225 feet of hole last 24 hours

Operation at report time Drilling

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: 4218 " 1 " 32.07 " 94.07 " 14.53 hours this date 14.53 cum. hours this bit.

Drilling with: 25/30 M # Weight on bit: rotating: 80 rpm: 14.53 hours this date 14.53 cum. hours this bit.

Pump 6 " X 7 " X 72 spm = 250 psi S.P. GPM 176 ECD _____

Pump _____ " X _____ " X _____ spm AVDP 83 spm AVDC 180 spm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
3	8 1/2	STC	F2-OD	open	2715	4100	1385	15	4	7	I	2 loose cones
4	8 1/2	Varel	V517	open	4100	1hc	225	13				0 broken/min teeth

SN-32893

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			
								REMARKS

Daily Mud \$ 509 Cum Mud \$ 14301 Daily Well \$ 34303 Cum Well \$ 527683

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY

8/12 6:00A - 8:00A Drill from 4064 to 4100. WOB: 20-25K RPM: 80 Air: 300CFM @ 2.0
250psi MW(in): 8.3 ppg, Vis: 35. pH: 9

8:00A - 8:30A Circulate for trip. 0.5

8:30A - 2:00P Trip for bit #4 5.5

2:00P - 2:30P Break circulation - 50 bbl. gain in pit volume. 0.5

2:30P - 3:00P Install new rotating head rubber 0.5

8/13 3:00P - 1:30A Drill from 4100 to 4257'. WOB: 25/30K RPM: 80 Air: 300CFM @ 200psi 10.5
MW(in):

1:30A - 2:00A Survey at 4218' - 1° 0.5

2:00A - 6:00A Drill from 4257' to 4289'. WOB: 25/30K RPM: 80 Air: 300CFM 4.0

@ 200psi. MW(in): 8.3 ppg, Vis: 31-35 pH: 9

MORNING REPORT

CV-0009 (Rev. 8-82)

REPORT DATE 8-14-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 14
SUPERVISOR: B. Fickler / C. Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: _____ " set at _____ " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR ODEE, R. & CO

DEPTH: 4399 at 6:00 a.m. report time: made 109 feet of hole last 24 hours
Operation at report time Logging
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: 4375 1° _____
Drilling with: 25/30 M # Weight on bit: rotating: 80 rpm: 55 hours this date 20 cum. hours this bit.
Pump 6 " X 7 " X 74 spm = 300 psi S.P. GPM 181 ECD
Pump _____ " X _____ " X _____ spm AV DP 85 fpm AV DC 134 fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>3</u>	<u>8 1/2</u>	<u>STC</u>	<u>F2-00</u>	<u>OPEN</u>	<u>2715</u>	<u>4100</u>	<u>1385</u>	<u>15</u>	<u>4</u>	<u>7</u>	<u>I</u>	<u>2 loops (over)</u>
<u>4</u>	<u>8 1/2</u>	<u>Val</u>	<u>1517</u>	<u>OPEN</u>	<u>4100</u>	<u>4399</u>	<u>259</u>	<u>15</u>	<u>2</u>	<u>2</u>	<u>I</u>	

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 1,238 Cum Mud \$ 15,539 Daily Well \$ 23,479 Cum Well \$ 550,162

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/13 6:00A-11:30A Drill to 4,399, 1203: 25/30X RPM 80 Air = 300 CFM C. 5.0-
300 psi. MWD (in): 9.4 ppg, Visc 35, PH 7
11:30A-12:00A Circ Hole
12:00P-12:30P Air - 8 Surveys @ 4375'
12:30P-1:00P Make 60 STD 5-Trip
1:00P-1:30P Circ.
1:30P-2:00P Trip to Log
2:00P-2:30P R/Ln & Run Schlumberger, Rn JELIND, Rn 604 to CNL
8/14 24:00A-6:00A GEN 12/Dip Meter 6.0
24.0

Note: Hole made 10.5 DDW Fluid in 1st 2Hrs of Logging.
Fluid level from 800' to 650' - Level stab @ 572'

MORNING REPORT

FM-CV-0009 (Rev. 8-82)

REPORT DATE 8-15-94

SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 15
 SUPERVISOR: Bob Fielder / Charles Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
 CASING: 9 5/8 " set at 514 " set at _____ " set at _____
 CASING: _____ " set at _____ " set at _____ " set at _____
 LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
 LAST LOG DEPTH 4399 CONTRACTOR OD & E, Rig 20

DEPTH: 4399 at 6:00 a.m. report time; made 0 feet of hole last 24 hours
 Operation at report time LOPP Lay down drill time
 MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
 LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
 Sand _____ % Plastic Visc. _____ Yd. Ft. _____ Gel Strength _____ /
 DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ °
 Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
 Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
 Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
 Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 15,539. Daily Well \$ 84095. Cum Well \$ 634257.

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
 Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.	ACTIVITY	
8/14 6:00A - 9:00A	Run Dipmeter log w/ SWS	3.0
9:00A - 9:30A	Rig down Schlumberger	0.5
9:30A - 2:00P	Run in hole to 4399'. Circulate with 4BPM on pump & 300CFM air for two hours.	4.5
2:00P - 5:30P	Pull out of hole. Stand back 44 stands. Lay down remaining drill pipe and drill collars.	3.5
5:30P - 10:00P	Rig up Schlumberger. Run Sonic Log. FL (static) - 1360'	4.5
10:00P - 10:30P	Rig down Schlumberger	0.5
8/15 10:30P - 12:30A	Run in hole open ended to 2694'	2.0
12:30A - 1:30A	Circulate hole with 4BPM and 300CFM air	1.0
1:30A - 2:00A	Spot 8C SXS. Class A cement from 2694' to Displace with 2 bbls. water and 32 bbls. mud.	0.5
2:00A - 2:30A	PUGH to 2073'. Pump 2 bbls. mud down drill pipe to clear. Plug on spot at 2:00AM	0.5
	8/15/94	
2:30A - 6:00A	WOC	3.5
6:00A - 6:30A	Run in hole Tag top of plug at 2475'. Set 2000 lb weight on plug	

MORNING REPORT

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REPORT DATE 8-16-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview #1 REPORT NO. 16
SUPERVISOR: Bob Fichter/Charles Nucky LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH. 4399 CONTRACTOR DATE, Rig 20

DEPTH: Plug Back T.O. 2470' at 6:00 a.m. report time; made 0 feet of hole last 24 hours
Operation at report time Nipple down BOP
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			

Daily Mud \$ 0 Cum Mud \$ 15,549 Daily Well \$ 21,497 Cum Well \$ 655,754
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/15 6:00A-6:30A Trip in hole - Tag cement @ 2470' w/12,000 lbs weight 0.5
6:30A-9:00A Trip out of hole laying down drill pipe. 2.5
9:00A-11:30A Rig up to run 7" log, Chang runs to 7" 2.5
11:30A-12:00P Pick up Baker ECP & float equipment. 0.5
8/16 12:00P-5:00P Run 7" casing 5.5
5:30P-6:00P Rig up Halliburton 0.5
6:00P-7:00P Circulate 1.0
7:00P-9:30P Pressure up & set Baker ECP, Test ECP - timer 2.5
by pulling 5,000 lbs overstring weight & slack off P,
open DV tool, Test ECP, HOWCO Cut w/210 SX
(391 cu ft) DARRA 'A' w/6% Gel + .025 gal/00L NF-3
13.2 ppv, yield 1.56 cu ft/HK followed by 420 SX (494.5 cu ft)
Class 6' + 1% salt + .05 gal/00L NF-3 15.5 ppv
yield = 1.15 cu ft/HK. Displaced w/86 bbls water
Circulated 11 bbls (33 SX) cut to surface, bumped
plug to 1000 PSI, close DV w/2400 PSI.
Check flow back - no flow. Plug bumped @ 9:22pm,
8-16-94.
9:30P-12:00A Nipple down BOP. 2.5
12:00A-6:00A Set slips w/100,000 lbs, cut off 7" log, continue 6.0
to Nipple down BOP. 24.0

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MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 8-17-94
SPUD DATE 8-1-94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 17
SUPERVISOR Bob Fielden / Charles Nooley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 958 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR ODTE, Rig 20

DEPTH: PBTD: 2470' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Nipple up bloote line
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm: _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AVDP _____ fpm AVDC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 15,549 Daily Well \$ 109,153 Cum Well \$ 764,907
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/16 6:00A-8:00A Nipple down drilling BOP 2.0
8:00A-10:30P Nipple up completion BOP & function test 14.5
10:30P-12:00A Lay down Kelly & swivel 1.5
8/17 12:00A-6:00A Install rotating head & Nipple up 10" bloote Line 6.0
24.0

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SPUD DATE 8-1-94

DEPTH: 2189' _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time WORK ON POWER SWIVEL

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ / _____

DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ ° _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

REMARKS:

HRS

ACTIVITY

8/17	6:00A-7:30A	Rig up 6" bleed line.	1.5
	7:30A-2:00P	Rig up kill line, Air bypass line from floor, pump back pump	6.5
	2:00P-2:30P	Pressure test blind Rams & choke manifold to 1500 psig.	0.5
	2:30P-4:00P	Make up 4 3/4" BHA and RIH.	1.5
	4:00P-6:00P	Pressure test pipe rams and HCRs to 1500 psig.	2.0
	6:00P-6:30P	Pull out of hole to check Fina Float	0.5
	6:30P-7:30P	Change Fina Float	1.0
	7:30P-8:30P	Trip in hole w/ Bottom Hole Assembly	1.0
	8:30P-12:00A	Pick up & Trip in hole w/ 3 1/2" Drill Pipe. Tag Cement @ 2165'	3.5
8/18	12:00A-3:30A	Pick up & Rig up Power Swivel. Install rotating rubber	3.5
	3:30A-4:30A	Drill Cnt @ top of DV tool.	1.0
	4:30A-6:00A	Work on swivel (wash pipe)	1.5
			24.0

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SPUD DATE 8/1/94

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time _____

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ' _____ °, _____ ' _____ °, _____ ' _____ °, _____ ' _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible]

REMARKS:

HRS.	ACTIVITY	
6:00A - 8:00A	Work on swivel.	2.0
8:00A - NOON	Drill out DV tool, insert float, and float shoe.	4.0
NOON - 5:00P	Blow hole w/ 1100 CFM Air & 160 GPM water. Bridge at 2310'. Clean out to 2354'.	5.0
5:00P - 6:30P	Run Pull out of hole	1.5
6:30P - 7:30P	Unplug float, bit sub, bottom drill collar. Pipe Scale.	1.0
7:30P - 9:30P	Run in hole to 2240'	2.0
9:30P - 10:30P	Rig up swivel.	1.0
10:30P - MN	Wash to 2282'	1.5
MN - 3:00A	Wash to 2408' with 3 compressors (2200 CFM). Blow hole dry. Bucket test 5 gals / 6.5 seconds. 10' Flare at bottoms up.	3.0
3:00A - 4:00A	Pull out of hole to clear coal packoff around tool joints	1.0
4:00A - 5:00A	Pull out laying down four joints drill pipe	1.0
5:00A - 6:00A	Attempt to blow hole dry at 2240'.	1.0

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REPORT DATE 8/20/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 20

SUPERVISOR: Bob Fielder/Charles Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____

CASING: 9 5/8 " set at 514' " set at _____ " set at _____

CASING: 7" " set at 2240' " set at _____ " set at _____

LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____

LAST LOG DEPTH 4399 CONTRACTOR _____

PBD: 2470'

DEPTH: 2251' at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time Wash & Run

MUD: Weight _____ #1 gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #1 bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ' _____ ° _____ ' _____ ° _____ ' _____ ° _____ ' _____ °

Drilling with: _____ M # Weight on bit; rotating; _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible][illegible]

Daily Mud \$ 0 Cum Mud \$ 15549. - Daily Well \$ 19,896 Cum Well \$ 817,745 -
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

8/19	6:00A-12:00P	Trip out of hole to clear plugged bit. Trip in hole.	6.0
	12:00A-1:30P	Circulate hole w/air to 2215'	1.5
	1:30P-4:30P	Trip out of hole to unplug float.	3.0
	4:30P-9:30P	Wait on float valve	5.0
	9:30P-11:00P	Install float & trip into hole to 2251'	1.5
	11:00P-12:00A	Circulate hole at 2251'	1.0
	12:00A-2:00A	Wash, Rear & Circulate to 2377'	2.0
	2:00A-3:00A	Pool out of hole to casing shoe.	1.0
	3:00A-4:00A	Pressure Drill Pipe to 1200 psi/Leg to 950 psi & Release.	1.0
	4:00A-6:00A	Circ @ 2251' w/2500 cu ft per minute air.	2.0
			24.0

MORNING REPORT

FM-CV-0009 (Rev. 8-82)

REPORT DATE 8/21/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 20
SUPERVISOR: Charles Neeley / Bob Fielder LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95/8 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR ODIE, Rig 20

DEPTH: 2251' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulating hole with air. Prepare to pressure up and surge.
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	F-15	OPEN								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 15,549 Daily Well \$ 20,290 Cum Well \$ 838,043
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

8/20 6:00A - 9:00A Wash to 2377' with 2500 CFM air. 10-15 foot gas flares for 1-5 seconds on all connections except 2283' which had a 15-30' flare for 30 seconds. 3.0
No fill encountered until 2352'. No coal in returns other than fine (<1mm) pieces until 2352'. Bucket test at 2377' - 5 gals in 8 seconds.
9:00A - 10:30A Circulate out coal fill andavings from 2377'. Coal in returns started at predominantly medium (5x7mm) pieces with occasional coarse (11x14mm) and fine (<1mm). Circulated until returns were predominantly fine with occasional coarse and medium. Coal recovery averaged 0.2 cubic feet per minute. POOH to 2246'. 1.5
10:30A - 11:30A Pressure up drill pipe to surge well. DP plugged. 1.0
11:30A - 1:00P Pull out of hole to inspect bit and float 1.5
1:00P - 1:30P Float valve spring broken. Bottom drill collar, float sub, and bit plugged with fine coal particles. 0.5
1:30P - 4:00P Trip in hole to 2251'. Unload hole w/ 2300 CFM air. 2.5
4:00P - 4:30P Surge well with air. No coal returns. 0.5
4:30P - 5:30P Surge well with air and three stages water (30 bbls) to achieve casing pressure of 1160 psi. 1.0
5:30P - 6:00P Trip in hole to tag fill at 2280'. 5' flare at bottoms up. 0.5
6:00P - 10:30P Wash & Ream from 2280' to 2367'. Tag 10' fill. Wash & Ream to 2377'. Circulate with 2100 cu ft air. 4.5
10:30P - 11:00P Rig Repair - hydraulic survival hose. 10' Lazy Flare 0.5
11:00P - 12:00A Circulate w/ 6100 cu ft/min air & 20 bbl water surges. Heavy coal returns. 1.0
12:00A - 5:00A Continue to surge hole clean. 5.0
5:00A - 6:00A Pull out of hole to 2251' & circulate with air 1.0
24.0

MORNING REPORT

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REPORT DATE 8/22/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 22
SUPERVISOR: Charles Neeley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 988 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR OO:E, Rig 20
PBTD: 2470'

DEPTH: 2813' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate & clean hole.
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm: _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE. MARKS
<u>5</u>	<u>6 1/4</u>	<u>STC</u>	<u>F15</u>	<u>OPEN</u>								

REAMER GUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 297 Cum Mud \$ 15,846 Daily Well \$ 19,785 Cum Well \$ 857,823
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS:

HRS. ACTIVITY
8/21 6:00A - 6:30A Circulate hole w/ 2500 CFM air. 0.5
6:30A - 7:00A Change rotating head rubber. 0.5
7:00A - 7:30A Circulate hole clean from 2251' with 2500 CFM air. 0.5
7:30A - 8:00A Pressure up with air compressors only to 1250 psi on standpipe Ann 0.5
1220 psi on casing. Surge well back.
8:00A - 11:00A Wash to 2377' with 2500 CFM air. Encountered first bridge at 2263' 3.0
Well was blowing dry to this point. Water flow below bridge. 10-15 foot
flares for a few seconds on each connection until 2283'. Had 20 foot
plus flare for 30 plus seconds here. Coal returns were fine to medium
to 2346'. Picked up more large and medium afterwards.
11:00A - 1:30P Circulate at 2377' w/ 2500 CFM air and 10 bbl. sweeps every 15 mins. 2.5
Coal returns were mostly medium size in sweep returns chipping
back to fine as steady returns.
1:30P - 7:00P Pull out of hole. Layout drill pipe for internal cleaning. Rerun drill 5.5
pipe after cleaning.
7:00P - 10:30P Wash to 2377' with 2500 CFM air. First connection gas flare at 3.5
2314'. No coal bridges encountered until 2350'.
10:30P - 12:00A Circulate at 2377' with 2500 CFM air and 10 bbl. water sweeps
every 15 minutes. Sweeps bring back large quantities of medium
size coal. Steady returns are fine coal chips. 1.5
8/22 12:00A - 1:00A Circulate A/A 1.0
1:00A - 1:30A Pull out of hole to 2250' 0.5
1:30A - 2:00A Circulate with 2500 CFM air to dry hole. 0.5
2:00A - 3:30A Pressure up to 1200 psi to cavitate. Drill Pipe = 1200 psi. Csg = 1360 psi. 1.5
3:30A - 6:00A Clean hole again & water sweeps to 2313'. 2.5

MORNING REPORT

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REPORT DATE 8/23/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview #1 REPORT NO. 23
SUPERVISOR: Charles Neeley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR ODE, Rig 20
PBTD: 2470'

DEPTH: 2283 at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate + clean hole
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>5</u>	<u>6 1/4</u>	<u>STC</u>	<u>F15</u>	<u>OPEN</u>								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 594 Cum Mud \$ 16,440 Daily Well \$ 20,082 Cum Well \$ 877,910
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/22 6:00A-7:30A Clean hole w/2500 cfm air & 20 bbl water sweeps to 2346'. Heavy coal returns. 1.5
7:30A-9:00A Pull out of hole to 2250' & work on power swivel hydraulic line. 1.5
9:00A-12:00P Clean hole w/2500 cfm air & 20 bbl water sweeps to 2344' - Heavy coal returns. 3.0
8/23 12:00P-12:30P A/A, Hole caved in back to 2265'. 0.5
12:30P-1:00P Pull out of hole to 2250'. 0.5
1:00P-12:00A Clean hole w/2500 cfm air & 20 bbl water sweeps at 2283'. Very heavy coal returns up to 1" diameter. 11.0
12:00A-6:00A A/A 6.0
24.0

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REPORT DATE 8/24/94
SPUD DATE 2/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 24
SUPERVISOR: Charles Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95% " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR _____

DEPTH: 2356' at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time Circulate & clean hole

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ' _____ ° _____ ' _____ ° _____ ' _____ ° _____ ' _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible][illegible]

Daily Mud \$ 0 Cum Mud \$ 16,440 Daily Well \$ 21,231 Cum Well \$ 899,141
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.	ACTIVITY	
6:00A-12:00P	Circulate & clean hole w/ 2500 cfm air @ 20 bbl water sweeps each 20 minutes at 2223'. Heavy to medium coal returns: 40 percent $\frac{1}{8}"$ to $\frac{1}{4}"$, 40 percent $\frac{1}{4}"$ to $\frac{1}{2}"$, & 20 percent $\frac{1}{2}"$ to $\frac{3}{4}"$ diameter.	6.0
12:00P-12:30P	Dry hole w/ 3200 cfm air @ 2222'.	
12:30P-1:30P	Pull out of hole to 2250' & dry casing. Bucket test on water: 4 sec per 5 gal.	
1:30P-2:00P	Pressure up to surge with air; casing Press = 1175 psi, Drill Pipe Press = 1200 psi.	
2:00P-2:30P	Surge well & blow off dry w/ 2500 cfm air.	
2:30P-11:30P	Clean out hole with air & water sweeps to 2314'.	9.0
11:30P-12:00A	Repair hydraulic hose & guide arm on power swivel.	

8/24 12:00A-6:00A Clean out hole with air & water sweeps to 2356'.
Heavy coal returns 2346' to 2356'.

FM-CV-0009 (Rev. 6-82)

REPORT DATE 8/25/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 25
SUPERVISOR: Charles Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8" " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR _____

DEPTH: 2283' _____ at 6:00 a.m. report time: made _____ feet of hole last 24 hours
 Operation at report time Circulate & clean hole
 MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
 LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
 Sand _____ % Plastic Visc. _____ Yd. Pr. _____ Gel Strength _____ / _____
 DEVIATION: _____ °, _____ °, _____ °, _____ °, _____ °, _____ °, _____ °, _____ °
 Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
 Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
 Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
 Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible][illegible]

Daily Mud \$ 0 Cum Mud \$ 14,440 Daily Well \$ 20,156 Cum Well \$ 919,297

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

8/24 6:00A-12:00P Circulate to clean hole w/2500 cfm air @ 20 bbl 6.0

Water sweeps each 20 minutes to 2377' Heavy

coal returns $\frac{1}{4}$ " to $\frac{3}{4}$ " diameter. Gas flow up

white circulation with air (2500 cfm) at 2350:

12:00 P - 4:00 P	Circulate A/A @ 2377: Heavy coal returns.	4.0
4:00 P - 5:00 P	Empty A/A @ 2377: Heavy coal returns.	1.0

4:00 P-5:30 P Free stuck pipe @ 2365 by equalizing casing pressure with drill bit pressure. Block bit 6.5

Pressure with Drill Pipe Pressure, Distal or
Casing Pressure

5:30 P-10:30 P Circulate & clean hole at 2377' 50

10:30P-12:00A	Dry hole w/2500 cfm air and the Pull out of	1.5
---------------	--	-----

hope to 2240'

8/25 12:00A-3:00A Surge hole by Pressure, up to 1050 psi with 2700 cfm 3.4

P.R.

3:00A-6:00A Circulate to clean hole to 2283' @ 2500 cfm air 3.0

20 661 water-sweeps. 10' gas flange from connection 24.1

AT 2250: Very heavy coal returns, 50 percent
1 1/2" to 1 3/4" thick; 5 to 9 1/2" to 1 1/2" diameter.

1/2 to 1 Diameter, 30 to 1/2 Diameter.

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 8/26/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 26
SUPERVISOR: Charles Neelley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 978 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR _____
PBTD: 2470

DEPTH: 2283' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time _____
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>5</u>	<u>6 1/4</u>	<u>STC</u>	<u>F15</u>	<u>Open</u>								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 16,440 Daily Well \$ 22,238 Cum Well \$ 441,535
FORMATION: Sh _____ Sd _____ Is _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS: _____

HRS. ACTIVITY
8/25 6:00A-12:00P Circulate to clean hole to 2283' w/2500 cfm air & 20 bbl water sweeps. Heavy coal returns: 80 percent 1/8" to 1/2", 20 percent 1/2 to 3/4".
12:00P-2:00P Circulate & clean hole w/air & water sweeps to 2314'.
2:00P-6:30P Pull out of hole to 2262'. Attempt to dry hole with 2500 cfm air.
6:30P-8:30P Pull out of hole to 2250', shut down air compressors and check hole for natural flow: 2' blue flame out of 10" blowie line.
8:30P-9:45P Pressure up & surge well with 2700 cfm air ~45 minutes. Drill Pipe pressure = 1175 psi / csg = 1150 psi.
9:45P-10:30P Monitor flame out of 10" blowie line: 6'-8' light blue & red changing to solid light blue 6' flame.
10:30P-11:00P Change out rotating head rubber.
11:00P-12:00P Trip in hole, Circulate w/2500 cfm air & 30 bbl water sweeps - cleaning out coal from 2260' to 2283'. Heavy coal returns 90% 1/8" to 1/2"; 10% 1/2" to 3/4".
8/26 12:00P-6:00A Continue cleaning out coal 2260' to 2283' circulating A/A. Very heavy coal returns.

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 8/27/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 27

SUPERVISOR: Charles Neeky LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____

CASING: 9 5/8 " set at 514 " set at _____ " set at _____

CASING: 7 " set at 2240 " set at _____ " set at _____

LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____

LAST LOG DEPTH 4399 CONTRACTOR _____

POT: 2470

DEPTH: 2270' at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time Circulate & clean hole

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AVDP _____ fpm AVDC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	JTC	F15	Open								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 16,440 Daily Well \$ 17,357 Cum Well \$ 158,886

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. _____ ACTIVITY _____

8/26 6:00A-6:00P Circulate & clean out top coal w/2500 cfm air 12.0
+30 bbl water sweeps. Heavy coal returns: 90%
1/8" to 1/2"; 10% 1/2" to 3/4"
6:00P-6:45P Pull up to 2245'. Surge hole with air by 0.75
pressuring up to 1100 PSI on casing and drill
pipe, then releasing through bleed lines to
atmosphere
6:45P-7:30P Monitor bleed line: 3'-4' light blue w/yellow 0.75
fringe flow.
7:30P-12:00A Wait on fan bearing for power swivel unit. 4.5
8/27 12:00A-3:00A Wait on fan bearing for power swivel unit. 3.0
3:00A-4:00A Install fan bearing. 1.0
4:00A-6:00A Open hole. Tag bit @ 2290'. Circulate & clean 2.0
out coal to 2293' w/2500 cfm air & 30 24.0
bbl water sweeps. Coal returns are heavy.

MORNING REPORT

FM-CV-0009 (Rev. 8-82)

REPORT DATE 8/28/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 28
SUPERVISOR: Charles Nockley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 998 " set at 514' " set at _____ " set at _____
CASING: 7 " set at 2340' " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399' CONTRACTOR _____
POTD: 2470'
DEPTH: 2282' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate & clean hole
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ °, _____ °, _____ °, _____ °
Drilling with: _____ M # Weight on bit; rotating; _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>5</u>	<u>6 1/4</u>	<u>STC</u>	<u>F15</u>	<u>Open</u>								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 14,400 Daily Well \$ 19,998 Cum Well \$ 972,884
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS:

HRS. ACTIVITY
8/27 6:00A-4:00P Circulate & clean hole w/2500 cfm air & 3066l water 10
sweeps from 2256' to 2282'. Heavy coal returns w/
90 percent 1/8" to 1/2" & 10 percent 1/2" to 3/4".
4:00P-5:00P Stop and cut dslp. line.
5:00P-12:00A Circulate and clean hole with air & water sweeps 7
from 2256' to 2282'.
8/28 12:00A-6:00P Circulate & clean hole with 2500 cfm air & 3066l 6
water sweeps to 2282'.
Medium coal returns: 1/8" to 1/2" diameter.
Gas flares up while cleaning hole: 10'-12' flare for
3 minutes.

MORNING REPORT

FM-CV-0009 (Rev. 8-82)

REPORT DATE 8/29/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 29
SUPERVISOR: Charles Neeley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 5'14" " set at _____ " set at _____
CASING: 7 " set at 2240' " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399' CONTRACTOR _____
PBTD: 2470'

DEPTH: 2302' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate & clean hole to PBTD to log.
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
<u>5</u>	<u>6 1/4</u>	<u>STC</u>	<u>F15</u>	<u>Open</u>								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 16,400 Daily Well \$ 19,658 Cum Well \$ 998,542
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY
8/29 6:00A-10:30A Circulate & clean hole w/2500 cfm air @ 30 bbl 4.5
water sweeps from 2283' to 2314' fresh water
returns; coal 90% 1/8" to 1/2", 10% 1/2" to 3/4"
30 sec 6' gas flow on connection @ 2283'
10:30A-12:00P Attempt to lay up hole with 2500 cfm air 1.5
Bucket test on water: 5.5 sec per 5 gal or
1270 DOL water per day.
12:00P-12:45P Pressure well up with air to: Drill Pipe = 1122 psi, .75
Pc = 1080 psi.
12:45P-2:00P Release pressure through bleed line to atmosphere 1.25
and monitor well: 40'-50' gas flow out at 10"
bleed line. Watch flow for 1/2 hr and turn
gas through choke manifold to 1" test line.
708 pressure = 120 mat gas per day.
2:00P-12:00A Circulate & clean hole w/2500 cfm air @ 30 bbl 10.0
water sweeps from 2255' to 2283'
Very heavy coal returns: 80% 1/8" to 1/2",
20% 1/2" to 3/4".
12:00A-4:00A Clean hole A/A 4.0
4:00A-6:00A Circulate & clean hole w/air & water sweeps 3.0
from 2283' to 2302'. 2 minute 6' gas flow
from connection @ 2283'. Heavy coal returns
1/2" to 3/4" diameter. 24.0

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REPORT DATE 8/30/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 21 REPORT NO. 70

SUPERVISOR: Charles Nealey LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____

CASING: 9 5/8 " set at 514' " set at _____ " set at _____

CASING: 7 " set at 2240' " set at _____ " set at _____

LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____

LAST LOG DEPTH 4399' CONTRACTOR _____
PBTD: 2470'

DEPTH: 2360' at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time Circulate & clean hole to PBTD to log

MUD: Weight _____ #1 gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #1 bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ ° _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Porc Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	FIS	Qns	Reamed 1		—	—	7	8	I	
6	6 1/4	STC	FOT	QREN								

[illegible]

Daily Mud \$ 0 Cum Mud \$ 0 Daily Well \$ 23,498 Cum Well \$ 1,022,040
 FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
 Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
 REMARKS: _____

HRS.	ACTIVITY	
6:00A-1:00P	Circulate & clean hole w/2500 cfm air & 30 bbl water sweeps from 2223' to 2360'. Medium coal returns 1/2" to 1/2" diameter	7.0
1:00P-2:00P	Casing/Drill Pipe Annulus packed off w/coal, stuck Drill Pipe. Equalized Drill Pipe & casing pressures at 500 psi. Pipe free. Drill string plugged.	1.0
2:00P-7:30P	Trip out of hole, unplug coal from float valve, change out float and bit. Trip in hole w/new bit No. 6. Change out rotating head rubber.	5.5
7:30P-12:00A	Circulate & clean hole with air and water sweeps from 2250' to 2314'.	4.5
12:00A-6:00A	Circulate & clean hole w/2500 cfm air & 30 bbl water sweeps from 2314' to 2360'. Heavy coal returns from 2345' to 2360': 80 percent 1/2" to 1/4"; 20 percent 1/4" to 1/2" diameter.	1.0

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE

8/1/94

SPUD DATE

8/1/94

WELL NAME AND NO.

Fairview No. 1

REPORT NO.

31

SUPERVISOR:

Charles Nealey

LOCATION: Sec.

Blk. T.

Surv. R.

CASING:

9 5/8"

set at

514'

set at

set at

CASING:

7"

set at

2240'

set at

set at

LINER:

top at

bottom at

top at

bottom at

LAST LOG DEPTH

4399'

CONTRACTOR

POTO: 2470'

DEPTH:

2469'

at 6:00 a.m. report time: made

feet of hole last 24 hours

Operation at report time

Clean hole from 2469'

MUD: Weight

#1 gal. Visc.

Sec.

W.L.

cc's

H.T.W.L.

cc's

F.C.

/32"

pH

LCM

#1 bbl Chloride

PPM Oil

% Solids

%

Sand

% Plastic Visc.

Yd. Pr.

Gel Strength

/

DEVIATION:

°

°

°

°

°

Drilling with:

M #

Weight on bit: rotating:

rpm:

hours this date

cum. hours this bit.

Pump

"X

"X

spm =

psi S.P., GPM

ECD

Pump

"X

"X

spm

AVDP

fpm

AVDC

fpm

Pore Pres.

Frac. Grad at Csg Shoe

Frac. Grad at Depth

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	F15	Open	Reamed		-	-	7	8	I	
6	6 1/4	STC	FOT	Open								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$

0

Cum Mud \$

11,400

Daily Well \$

19,998

Cum Well \$

1,042,038

FORMATION: Sh

Sd

Ls

Dolo

Other

Gas: BGG

Conn Gas

Trip Gas

Flowing Line Temp

Flare

REMARKS:

HRS.

ACTIVITY

8/30

6:00A-12:00P Circulate & clean hole w/2500 cfm air & 30 bbl water 6.0

sweeps: 2345' - 2360' Heavy coal returns from 2nd
coal @ 2345' - 2355' 80% 1/2" to 1/2"; 20% 1/4 to 3/4"

12:00P-10:00P Circulate & clean hole A/P 10.0

10:00P-12:00A Drill, Ream, Circulate & clean hole w/air & water 8.0

sweeps 2377' to 2408' Light coal returns.

8/31

12:00A-3:00A Drill, Ream, Circulate & clean hole w/air & water 2.0

sweeps 2408' to 2439' Light to moderate coal returns.

3:00A-6:00A Drill, Ream, Circulate & clean hole w/2500 cfm air 3.0

& 30 bbl water sweeps from 2439' to 2469' Light coal returns. Continue to clean hole at 2469' in preparation to log.

FM-CV-0009 (Rev. 6-82)

REPORT DATE 9/1/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 32
SUPERVISOR: Charles Nealey LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 956 " set at 514' " set at _____ " set at _____
CASING: 7 " set at 2240' " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4395' CONTRACTOR _____

DEPTH: 2408' _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time Circulate & clean hole at 2408'

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ / 32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ / _____

DEVIATION: _____ °, _____ °, _____ °, _____ °, _____ °, _____ °, _____ °, _____ °

Drilling with: _____ M # Weight on bit; rotating; _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ rpm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ rpm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	FIS	Open	Removal 201		—	—	7	2	I	
6	6 1/4	STC	FDT	Open								

[illegible]

Daily Mud \$ 860 Cum Mud \$ 17,260 Daily Well \$ 19,998 Cum Well \$ 1,013,036
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS: _____

HRS.

ACTIVITY

8/31	6:00A-7:30P	Circulate & clean hole with 2500 cfm air and 30 bbl water sweeps at 2269'. Light to heavy coal returns 1/8" to 1/2" diameter.	13.5
	7:30P-11:30P	Coal fell in on drill collars while sweeping hole at 2269'. Could not circulate. Pulled 105,000 lb string, weight while rotating & worked back to 2282' 16" floor for 2 minutes.	4.0
	11:30P-12:00A	Circulate & clean hole with air and water sweeps at 2282'.	0.5
9/1	12:00A-6:00A	Circulate & clean hole with air (2500 cfm) and water sweeps from 2282' to 2408'. Tap drill at 2398'. Light to moderate coal returns.	6.0

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 9/2/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 33
SUPERVISOR: Charles Neekley LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 95% " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399' CONTRACTOR _____
POTD: 2470'

DEPTH: 2314' at 6:00 a.m. report time: made _____ feet of hole last 24 hours
Operation at report time Circulate & clean bridge between coals.
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit: rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AVDP _____ fpm AVDC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	F15	Open	Reamed Coal		—	—	7	8	I	
6	6 1/4	STC	POT	Open								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ 17,260 Daily Well \$ 25,316 Cum Well \$ 1,087,352
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. ACTIVITY

9/1 6:00A-2:30P Circulate & clean hole w/2500 cfm air & 30 bbl water sweeps from 2408' to 2469'. Moderate coal returns 1/8" to 1/2". 8.5
2:30P-4:30P Trip out of hole w/ Drill Pipe & Drill Collars. 2.0
4:30P-5:30P Fill hole with water & slip & cut drilling line. 1.0
5:30P-7:30 Trip in hole with Drill Pipe to 2220' to run Schlumberger Spinner Survey. 2.0
7:30P-11:00P Circulate water out of casing with 1600 cfm air, while Schlumberger attempt to log with Spinner. Spinner hit bridge at 2275'. Worked Spinner up & down. Bridge at 2270'. Load hole with water. Schlumberger pulled spinner out of hole. 3.5
11:00P-11:30P Rig down Schlumberger. 0.5
11:30P-12:00A Trip drill pipe out of hole 0.5
9/2 12:00A-2:00A Trip in hole and establish circulation with 2500 cfm air. 2.0
2:00A-6:00A Circulate and clean hole with water sweeps from 2250' to 2314'. 6' Bridge at 2268'. Hole then clean to 2314'. 4.0
24.0

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 9/3/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 34
SUPERVISOR: Charles Neely LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: 9 5/8 " set at 514 " set at _____ " set at _____
CASING: 7 " set at 2240 " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399' CONTRACTOR _____
POTD = 2470'
DEPTH: 2360' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate & clean hole
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating; _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P. GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	F15	Open	Reamed tool				7	9	I	
6	6 1/4	STC	FOT	Open								

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ 0 Cum Mud \$ 17,260 Daily Well \$ 19,998 Cum Well \$ 1,107,350
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.

ACTIVITY

9/2
6:00A-9:00A Circulate & clean hole w/2500 cfm air & 30 bbl/water 9.0
sweeps from 2314' to 2346'. Light to moderate coal returns 1/2" to 1/8" diameter.
9:00A-10:30A Pull out of hole to 2250' & attempt to dry hole w/ 2500 cfm air for 1 hour. Bucket test: 4.5 sec per 5 gal or 225 bbl/water per day. 1.5
10:30A-11:45A Pump up & surge well to atmosphere; casing press = 1070 psi 1.25
& drill pipe pressure = 1090 psi.
11:45A-12:00P Monitor well blowdown: 25'-30' flow out 10" blowdown line. 1.25
12:00P-12:05P Flow well through 2" line & Pitot gas test: Initial test = 1,135 mcf/psi. 6 minute test = 623 mcf/psi; 14 minute test = 223 mcf/psi. Estimate 22 bbl flow in 14 minutes equivalent to 800' head or 345 psi. 1.25
12:15P-2:30P Circ. & clean out hole w/1600 cfm air & 30 bbl/water-sweeps to 2377'. Light coal returns to 2346' & heavy returns 2346' to 2377'. 7.25
2:30P-11:50P Pull out of hole to 2250' & wait on booster repair. 4.0
11:50P-12:00A Dry hole with 2500 cfm air. 1.5
12:00A-12:30A Continue to dry hole 5
12:30A-1:15A Pump up & surge well: Drill pipe = 980 psi; casing = 950 psi 30'-35' flow out of blowdown line & end of blowdown. 1.75
1:15A-6:00A Circulate & clean hole to 2360' w/2500 cfm air & water sweeps. Heavy, 1/8" to 1/2", coal returns from 2355' to 2360'. 4.75
24.0

FM-CV-0009 (Rev. 6-82)

REPORT DATE 9/5/94
SPUD DATE 8/1/94

WELL NAME AND NO. Fairview No. 1 REPORT NO. 36
SUPERVISOR: Charles Neeky LOCATION: Sec. _____ Bk. T. _____ Surv. R. _____
CASING: 9 5/8" " set at 514 " set at _____ " set at _____
CASING: 7" " set at 2240' " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH 4399 CONTRACTOR _____
POTD: 2470'

DEPTH: 2377' at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time Circulate & clean hole
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ / _____
DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	F15	Open	Reamed Pool				7	3	I	
6	6 1/4	STC	FDT	Open								

[illegible]

Daily Mud \$ -0- Cum Mud \$ 12,260 Daily Well \$ 19,488 Cum Well \$ 1,147,009

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.	ACTIVITY
------	----------

HRS.	ACTIVITY
6:00A-8:00A	Circulate & check hole @ 2377' with 2500 cfm

Air 830 661 0-400 sweeps. Light coal returns, $\frac{1}{8}$ " to $\frac{1}{4}$ " diameter.

8:00A-8:30A Pull out of hole to 2250' for sealant repair (Paw bearing & shaft).

8:30A-6:00P Wait on survival repair.

6:00P-8:00P Circulate casing dog with 2500 cfm air. Bucket test:
4 sec/5 gal on 2571 bbls water per day.

8:00 P - 9:30 P Pressure hole with 2700 cfm air & 4661 psi. initial water to:
Casing Press = 1050 psi; Drill Pipe Press 1170 psi. Release to
Atmosphere.

9:30P-12:00A Clear out coal to 2314' with 2500 cfm air @ 40 bbl water-scoops. Moderate coal returns, $1/8"$ to $1/2"$.

9/5 12:00A-6:00A circulation of clean out coal to 2377' with 2500 cfm air & water sweeps. Heavy coal returns 2360' to 2377'; $1/8$ to $1/2$ " diameter.

FM-CV-0009 (Rev. 6-82)

REPORT DATE 9/6/94
SPUD DATE 8/1/94

DEPTH: _____ at 6:00 a.m. report time: made _____ feet of hole last 24 hours

Operation at report time Moving OVER; 20 to Fairview No. 2 location

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ° _____ ° _____ ° _____ ° _____ ° _____ ° _____ °

Drilling with: _____ M # Weight on bit; rotating; _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS
5	6 1/4	STC	FIS	Open	Round	Coal			1	2	F	RR
6	6 1/4	STC	FOT	Open	Round	Coal			2	2	F	

[illegible]

Daily Mud \$ -0- Cum Mud \$ 17,260 Daily Well \$ 42,774 Cum Well \$ 1,189,723
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS.	ACTIVITY	
6:00A-10:00A	Circulate hole @ 2500 cfm air @ 2377'. Bucket test: 4.0 43 barrels per 5 gal on 2571 BBL water per day.	
10:00A-1:30P	Pull out of hole while laying down drill pipe and drill collars.	2.5
1:30P-6:30P	Nipple down HCR's, Rotating Head and upper BOP. Change pipe rams in lower BOP to 2 7/8".	5.0
6:30P-10:30P	Ran 70 FT, 2208' of 2 7/8" EMT06 w/seat Nipple. seat Nipple = 1.7" ID set @ 2220'.	4.0
10:30P-11:00P	Nipple down lower BOP.	0.5
11:00P-12:00A	Nipple up Tubing Tree.	1.0
12:00A-1:00A	Nipple up Tubing Tree. Rig Released @ 1:00am, 9/6/94.	1.0
		18.0

MORNING REPORT

FM-CV-0008 (Rev. 6-82)

REPORT DATE 18-Sep-94
SPUD DATE _____

WELL NAME AND NO. FAIRVIEW #1 REPORT NO. _____
SUPERVISOR: Neelley / Wilbrenk LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
SING: _____ set at _____ " set at _____ " set at _____
LASING: _____ " set at _____ " set at _____ " set at _____
NER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH: _____ CONTRACTOR: _____

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time _____
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weight on bit; rotating: _____ rpm: _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS: _____

HRS. _____ ACTIVITY _____

6:00 Flow TO PIT
6:00 AM to 8:00 AM Flow TO TANK 85 BPH 2040 BWPD
8:00 AM to 9:20 Flow TO PIT
9:20 AM to TANK 85 2040 BWPD
11:20 AM to 1:35 PM PIT
1:35 PM to 3:35 PM TANK 85 2040 BWPD
3:35 PM to 6:00 PM PIT
6:00 PM to 8:00 PM TANK 85 2040 BWPD
8:00 PM to 6:00 AM PIT

TAKING FLOW GAUGES ON WATER PRODUCTION
FROM COAL ZONE Avg 2040 BWPD
@ 690 psi discharge pressure.

MORNING REPORT

FM-CV-0009 (Rev. 6-82)

REPORT DATE 19-Sep-94
SPUD DATE _____

WELL NAME AND NO. FAIRVIEW #1 REPORT NO. _____
SUPERVISOR: Neely / Wilbanks LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: _____ " set at _____ " set at _____ " set at _____
SING: _____ " set at _____ " set at _____ " set at _____
NER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
AST LOG DEPTH _____ CONTRACTOR _____

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours
Operation at report time _____
MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____
LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %
Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /
DEVIATION: _____ ° _____ ° _____ ° _____ °
Drilling with: _____ M # Weights on bit; rotating: _____ rpm: _____ hours this date _____ cum. hours this bit.
Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____
Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV JC _____ fpm
Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Hy Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____
FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____
Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____
REMARKS: _____
HRS. _____ ACTIVITY _____

Well SD due to compressor problems
will Resume operations in AM.

FM-CV-0008 (Rev. 6-82)

SPUD DATE _____

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time _____

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ' _____ " _____ ' _____ " _____ ' _____ " _____ ' _____ "

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible]

HRS.	ACTIVITY
-	Compressor shut down due to blocked air filters (waiting on filters) from 9:45 AM Sept 18 to 11:45 AM, Sept 19, 1994.
-	Casing pressure before booster started = 690 psi.
-	Start booster; casing pressure to initiate circulation = 750 psi.
11:48 A - 12:45 P	Stabilize rate flowing to pit.
12:45 P - 2:45 P	Flow to test tank @ 760 psi: 191 bbls water 95.5 bbls water per hour.
2:45 P - 4:50 P	Flow to pit
4:50 P - 6:50 P	Flow to test tank: 186 bbls water = 93 bbls/hr.
6:50 P - 6:00 A Sept 20 1994	Flow to pit

Report To-date

<u>Date</u>	<u>Hrs</u> <u>Run</u>	<u>Eng</u> <u>Pres</u>	<u>Water</u> <u>Prod</u>	<u>Consumption</u>	<u>BOL/Hr</u>	<u>Remarks</u>
Sept 15-16	16	690	1392	1392	87	
Sept 16-17	24	690	2088	3480	87	
Sept 17-18	24	690	2047	5520	85	
Sept 18-19	3 1/4	700	115	5635	35	Pump filter blocked
Sept 19-20	18 1/4	700	1697	7332	93	Restart test
20-21	24	700	2112	9404	88	
21-22	24	700	2088	11532	87	
22-23	24	700	2088	13620	87	

MORNING REPORT

FM-CV 0008 (Rev. 6-82)

REPORT DATE SEPT 21, 1994

SPUD DATE _____

WELL NAME AND NO. FAIRVIEW #1

REPORT NO. _____

SUPERVISOR: Neeley / Wilbanks

LOCATION: Sec. _____

Blk. T. _____

Surv. R. _____

CASING: _____ " set at _____

CASING: _____ " set at _____

INNER: _____ " top at _____ bottom at _____

LAST LOG DEPTH _____

CONTRACTOR _____

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time _____

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ / 32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: _____ ° _____ ° _____ °

Drilling with: _____ M # Weight on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this blk.

Pump _____ " X _____ " X _____ spm = _____ psi S.P., GPM _____ ECD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Cag Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. 9-20-94 ACTIVITY

		Press	AIR RATE	WATER RATE
12:00 AM to 6:20 AM	Flow to pit	700 psi	320 CFM	
6:20 AM to 8:20 AM	Flow TEST INTO TANK	700 psi	320 CFM	90.5 BPH
8:20 AM to 9:40 AM	Flow to pit	700 psi	700 CFM	
9:40 AM to 11:20 AM	Flow Test to TANK	700 psi	700 CFM	80 BPH
11:20 AM to 1:35 PM	Flow to pit	700 psi	700 CFM	
1:35 PM to 1:50 PM	Reinstall bleed off choke			
1:50 PM to 3:50 PM	Flow Test to tank	700 psi	320 CFM	89 BPH
3:50 PM to 5:00 PM	Flow To PIT	700 psi	320 CFM	
5:00 PM to 7:00 PM	Flow TEST to TANK	700 psi	320 CFM	87 BPH
7:00 PM to 6:00 AM	Flow To PIT	700 psi	320 CFM	

Avg PRODUCTION RATE 88 BWPH OR 2112 BWPD.

MORNING REPORT

FM-CV-0008 (Rev. 8-82)

REPORT DATE 9-22-94
SPUD DATE _____

WELL NAME AND NO. FAIRVIEW #1 REPORT NO. _____
SUPERVISOR: Neeley / Wilbanks LOCATION: Sec. _____ Blk. T. _____ Surv. R. _____
CASING: _____ " set at _____ " set at _____ " set at _____
CASING: _____ " set at _____ " set at _____ " set at _____
LINER: _____ " top at _____ bottom at _____ " top at _____ bottom at _____
LAST LOG DEPTH _____ CONTRACTOR _____

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time _____

MUD: Weight _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ / 32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Solids _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____ /

DEVIATION: _____ ° _____ ° _____ ° _____ °

Drilling with: _____ M # Weights on bit; rotating: _____ rpm; _____ hours this date _____ cum. hours this bit

Pump _____ " X _____ " X _____ spm _____ psi S.P. GPM _____ BCD _____

Pump _____ " X _____ " X _____ spm AV DP _____ fpm AV DC _____ fpm

Pore Pres. _____ Frac. Grad at Cag Shoe _____ Frac. Grad at Depth _____

BIT NO.	SIZE	MAKE	TYPE	IF JET NOZZLES 32"	DEPTH		FOOT-AGE	PEN RATE	BIT CONDITION GRADING			
					IN	OUT			T	B	G	RE-MARKS

REAMER CUTTER NO.	SIZE	MAKE	TYPE	DEPTH		FOOT-AGE	HRS.	CONDITION
				IN	OUT			REMARKS

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ Trip Gas _____ Flowing Line Temp _____ Flare _____

REMARKS:

HRS. _____ ACTIVITY _____

320 CFM
6:00 to 8:00 AM BLOWING HOLE W/ 462 MCF/DAY AIR @ 700 PSI
Flow TO TEST TANK 87.46 BPH OR 2099 BWPD

8:00 AM to 10:10 AM Flow TO PIT

10:10 AM to 12:10 PM Flow TO TEST TANK 88.52 BPH OR 2124 BWPD

12:10 PM to 2:55 PM Flow TO PIT

2:55 PM to 4:55 PM Flow TO TEST TANK 87.48 BPH OR 2099 BWPD

4:55 PM to 6:00 AM Flow TO PIT

Average DAILY WATER PRODUCTION: 2107 BWPD

Cum TOTAL WATER PRODUCED: 11,551 BW

FM-CV-6008 (Rev. 6-82)

STUD DATA

LAST LOG DEPTH

DEPTH: _____ at 6:00 a.m. report time; made _____ feet of hole last 24 hours

Operation at report time

MUD: Weight: _____ #/ gal. Visc. _____ Sec. _____ W.L. _____ cc's _____ H.T.W.L. _____ cc's _____ F.C. _____ /32" _____ pH _____

LCM _____ #/ bbl Chloride _____ PPM Oil _____ % Sol. In _____ %

Sand _____ % Plastic Visc. _____ Yd. Pt. _____ Gel Strength _____

DEVIATION: _____

Drilling with: _____ M # Weight on bit: rotating: _____ rpm: _____ hours this date _____ cum. hours this bit.

Pump _____" X _____" X _____spm = _____psi S.P., GPM _____DCD _____

Pump _____" X _____" X _____spm AV DP _____ fpm AV CC _____ fpm

Pore Pres. _____ Frac. Grad at Csg Shoe _____ Frac. Grad at Depth _____

[illegible]

Daily Mud \$ _____ Cum Mud \$ _____ Daily Well \$ _____ Cum Well \$ _____

FORMATION: Sh _____ Sd _____ Ls _____ Dolo _____ Other _____

Gas: BGG _____ Conn Gas _____ T. & P Gas _____ Flowing Line Temp _____ Date _____

REMARKS:

HRS.	ACTIVITY
1	10:00 AM - 11:00 AM
2	11:00 AM - 12:00 PM
3	12:00 PM - 1:00 PM
4	1:00 PM - 2:00 PM
5	2:00 PM - 3:00 PM
6	3:00 PM - 4:00 PM
7	4:00 PM - 5:00 PM
8	5:00 PM - 6:00 PM
9	6:00 PM - 7:00 PM
10	7:00 PM - 8:00 PM
11	8:00 PM - 9:00 PM
12	9:00 PM - 10:00 PM
13	10:00 PM - 11:00 PM
14	11:00 PM - 12:00 AM
15	12:00 AM - 1:00 AM
16	1:00 AM - 2:00 AM
17	2:00 AM - 3:00 AM
18	3:00 AM - 4:00 AM
19	4:00 AM - 5:00 AM
20	5:00 AM - 6:00 AM
21	6:00 AM - 7:00 AM
22	7:00 AM - 8:00 AM
23	8:00 AM - 9:00 AM
24	9:00 AM - 10:00 AM
25	10:00 AM - 11:00 AM
26	11:00 AM - 12:00 PM
27	12:00 PM - 1:00 PM
28	1:00 PM - 2:00 PM
29	2:00 PM - 3:00 PM
30	3:00 PM - 4:00 PM
31	4:00 PM - 5:00 PM
32	5:00 PM - 6:00 PM
33	6:00 PM - 7:00 PM
34	7:00 PM - 8:00 PM
35	8:00 PM - 9:00 PM
36	9:00 PM - 10:00 PM
37	10:00 PM - 11:00 PM
38	11:00 PM - 12:00 AM
39	12:00 AM - 1:00 AM
40	1:00 AM - 2:00 AM
41	2:00 AM - 3:00 AM
42	3:00 AM - 4:00 AM
43	4:00 AM - 5:00 AM
44	5:00 AM - 6:00 AM
45	6:00 AM - 7:00 AM
46	7:00 AM - 8:00 AM
47	8:00 AM - 9:00 AM
48	9:00 AM - 10:00 AM
49	10:00 AM - 11:00 AM
50	11:00 AM - 12:00 PM
51	12:00 PM - 1:00 PM
52	1:00 PM - 2:00 PM
53	2:00 PM - 3:00 PM
54	3:00 PM - 4:00 PM
55	4:00 PM - 5:00 PM
56	5:00 PM - 6:00 PM
57	6:00 PM - 7:00 PM
58	7:00 PM - 8:00 PM
59	8:00 PM - 9:00 PM
60	9:00 PM - 10:00 PM
61	10:00 PM - 11:00 PM
62	11:00 PM - 12:00 AM
63	12:00 AM - 1:00 AM
64	1:00 AM - 2:00 AM
65	2:00 AM - 3:00 AM
66	3:00 AM - 4:00 AM
67	4:00 AM - 5:00 AM
68	5:00 AM - 6:00 AM
69	6:00 AM - 7:00 AM
70	7:00 AM - 8:00 AM
71	8:00 AM - 9:00 AM
72	9:00 AM - 10:00 AM
73	10:00 AM - 11:00 AM
74	11:00 AM - 12:00 PM
75	12:00 PM - 1:00 PM
76	1:00 PM - 2:00 PM
77	2:00 PM - 3:00 PM
78	3:00 PM - 4:00 PM
79	4:00 PM - 5:00 PM
80	5:00 PM - 6:00 PM
81	6:00 PM - 7:00 PM
82	7:00 PM - 8:00 PM
83	8:00 PM - 9:00 PM
84	9:00 PM - 10:00 PM
85	10:00 PM - 11:00 PM
86	11:00 PM - 12:00 AM
87	12:00 AM - 1:00 AM
88	1:00 AM - 2:00 AM
89	2:00 AM - 3:00 AM
90	3:00 AM - 4:00 AM
91	4:00 AM - 5:00 AM
92	5:00 AM - 6:00 AM
93	6:00 AM - 7:00 AM
94	7:00 AM - 8:00 AM
95	8:00 AM - 9:00 AM
96	9:00 AM - 10:00 AM
97	10:00 AM - 11:00 AM
98	11:00 AM - 12:00 PM
99	12:00 PM - 1:00 PM
100	1:00 PM - 2:00 PM

9-23

9-24

12:00 AM to 6:00 AM FLOW TO PIT

<u>DATE</u>	<u>HRS CIRC</u>	<u>Avg Press</u>	<u>PROD LAST 24</u>	<u>Cum Prod</u>	<u>BBLS /HD</u>
Sept 23-24	24 hrs	700 psi	2100 bbls	15,720	87.5

Sept 23-24	24 hrs	700 psi	2100 bbls	15,720	87.5
------------	--------	---------	-----------	--------	------

Daily Drilling Report

Well Name: **FAIRVIEW #1**

Date: **9-25-94**
Days F/Spud: **-**

Status - 0100 hrs: **Flowing Well to test tank**
Depth - 0100 hrs: Formation: Contractor:
Depth - Midnight: Proposed TD: Last Casing: at
24 hr Progress: Well Type:

Mud Properties				Surveys			
Density			Additives		Deg.		m.
Viscosity					Deg.		m.
pH					Deg.		m.
PV/YP					Deg.		m.
Gels					Deg.		m.
WL/Fc				Solids Control			
Solids %				Desander		Desilter/M.C	
Sands %					Gpm		Gpm
Chlorides k					U.F		U.F
K+					O.F		O.F
Nitrates					Hrs		Hrs
Mud Co.				Shaker Screens:			
Engineer							

Bit Data			Time Analysis	This day
No.			Drilling	
Size			Reaming	
Type			Coring	
Serial No.			Circ & Cond Mud	
Jets			Tripping	
Out m.			Rig Service	
In m.			Rig Repair	
Drilled m.			Slip & Cut Line	
Bit Hrs.			Surveys	
Condition			Logging	
Avg ROP			Run Casing	
WOB, k#			Cementing	
R.P.M			W.O.C	
J Vel.			N.U & Test BOP	

Pump Data		Slow Pump	D.S.T			
Type		#1 Pump, SPM	Handle Tools			
Bore/Strk			Lay down pipe			
SPM		#2 Pump, SPM				
Pressure			Total:			
GPM		Both, Psi.	Costs:	Mud	Water	Well Total
AV Dp/Dc			Daily			
			Cumulative			

BHA: BHA Length: M.
Buoyed DC Wt, k# DP Rating: Hook Load: Margin:

REMARKS **3200 ft @ 700 psi**
6:00 AM - 8:00 AM **Flow To TEST TANK** **87 BPH**
8:00 AM - 10:30 AM **Flow To P.I.T**
10:30 AM - 12:30 PM **Flow To TEST TANK** **86 BPH**
12:30 PM - 2:10 PM **Flow To P.I.T**
2:10 PM - 4:10 PM **Flow To TEST TANK** **87 BPH**
4:10 PM - 6:00 PM **Flow To P.I.T**
6:00 PM **SD Compressors & Release**

Temp. C Weather Reported by: To

DATE **9/24** **HRS CIRC** **12** **Avg Press** **700 psi** **Prod Last 24 hrs** **1044** **Cum Prod.** **16764** **BBH/HR** **87.5**

OILTOOLS

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

203 RAGLAN STREET
ROMA QLD 4455
PHONE : (076)22 3311
FAX : (076)22 3031

FACSIMILE TRANSMISSION

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE TELEPHONE IMMEDIATELY

Date : 22-9-94 Ref :
To : TRI STAR Fax No. :
Attn : Location :
From : No. of Pages :
(Including this page)

SUBJECT: FAIRVIEW #1

2400 - 0600 - FLOW TO PIT
0600 - 0800 - FLOW TO TANK - 174.28B = 87.14 BPH
0800 - 0950 - FLOW TO PIT
0950 - 1150 - FLOW TO TANK - 175.65B = 87.82 BPH
1150 - 1315 - FLOW TO PIT
1315 - 1515 - FLOW TO TANK - 175.42B = 87.71 BPH
1515 - 1615 - FLOW TO PIT
1615 - 1815 - FLOW TO TANK - 174.74B = 87.37 BPH
1815 - 1930 - FLOW TO PIT
1930 - 2130 - FLOW TO TANK - 174.28B = 87.14 BPH
2130 - 2400 - FLOW TO PIT

CR#27932

Thanks and regards

FAX NO

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

203 RAGLAN ROAD
(MITCHELL RD)
ROMA QLD 4455
PHONE : 61-76-223 311
FAX : 61-76-223 031

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21-9-94 ?

Date :	Ref :
To :	Fax No. :
Attn :	Location :
From :	No. of Pages :
	(including this page)

SUBJECT:

00:00-0600 FLOW TO PIT 700 PSI ON BOOSTER 32 ON ORIFICE
0600-0800 FLOW TO TANK - $174.92\text{ B} = 87.46\text{ BPH}$
0800-10:10 FLOW TO PIT.
10:10-12:10 FLOW TO TANK. - $177.03\text{ B} = 88.52\text{ BPH}$
12:10-14:55 FLOW TO PIT.
14:55-16:55 FLOW TO TANK - $174.96\text{ B} = 87.48\text{ BPH}$
16:55-24:00 FLOW TO PIT.

CR#27932

Thanks and regards

OILTOOLS

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Date : 20/9/94 Ref :
To : TPI STAR Fax No. :
Attn : Location :
From : STEVE HODGSON No. of Pages :
(Including this page)

SUBJECT: FAIRVIEW N°1

00⁰⁰ - 06²⁰ Flow TO PIT - PART AIR BLEED OFF
700 PSI ON BOOSTER
06²⁰ - 08²⁰ Flow TO TANK 181.02 BBLS - 90.5 BPH
08²⁰ - 09⁴⁰ Flow TO PIT - FULL AIR TO WELL
09⁴⁰ - 11²⁰ Flow TO TANK 133.232 BBLS 79.9 BPH
11²⁰ - 13⁵⁰ Flow TO PIT
13³⁵ REINSTALL BLEED OFF CHOKER AND ORIFICE METER
13⁵⁰ - 15⁵⁰ Flow TO TANK 30 PSI ON METER 700 PSI ON BOOSTER
172.582 BBLS - 88.79 BPH
15⁵⁰ - 17⁰⁰ Flow TO PIT
17⁰⁰ - 19⁰⁰ Flow TO TANK 32 PSI ON METER 700 PSI ON BOOSTER
173.288 BBLS 86.644 BPH
19⁰⁰ - 24⁰⁰ Flow TO PIT

Thanks and regards

CR# 27932
FAX NO

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

284 WELSHPOOL ROAD
WELSHPOOL WA 6106
PHONE : (09) 356 1277
FAX : (09) 356 1003

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To	:	TRI STAR	Fax No.	:	
Attn	:		Location	:	
From	:	STEVE HODGSON	No. of Pages	:	
			(including this page)		

SUBJECT:

FAIRVIEW N^o1

START BOOSTER 18109 AND COMPRESSOR 308 AT 1130
AIR ON TO WELL AT 1145
CASING PRESSURE BEFORE AIR ON 690 PSI
750 PSI ON BOOSTER TO UNLOAD HOLE - WATER TO SURFACE AT 1148
1148 - 1245 FLOW TO PIT 700 PSI ON BOOSTER - BLEEDING OFF ALL
1245 - 1445 FLOW TO TANK 191.295 BARRS 95 BPH
1445 - 1650 FLOW TO PIT
1650 - 1850 FLOW TO TANK 186.25 BARRS 93.12 BPH
1850 - 2400 FLOW TO PIT

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

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WELSHPOOL WA 6106
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FAX : (09) 356 1003

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To	:		Fax No.	:	
Attn	:		Location	:	
From	:	STEVE HODGSON	No. of Pages	:	
			(including this page)		

SUBJECT: FAIR VIEW N°1

00⁰⁰ - 06⁰⁰ FLOW TO PIT

06⁰⁰ - 08⁰⁰ FLOW TO TANK 69.16 BBL'S 34.8 BPH

AIR PRESSURE ON BOOSTER 700 PSI

08⁰⁰ - 08³⁰ SHUT DOWN UNITS AND CHECK ALL OIL LEVELS AND GREASE
AIR PRESSURE ON ORIFICE HAD RISEN TO 38 PSI

08³⁰ - 09⁴⁵ FLOW TO PIT

09⁴⁵ - UNIT 308 SHUT DOWN WITH BLOCKED AIR FILTERS
NO PARTS ON HAND - PARTS ORDERED ETA AM 19/9

BELIEVE LOW RETURNS DUE TO LOW VOLUME BEING INJECTED
POSSIBLE WEAR IN CHOKER VALVE ALLOWING MORE AIR TO BLEED OFF
CASING HOLDING 680 PSI

ALL VALVES ON WELL HEAD CLOSED

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

284 WELSHPOOL ROAD
WELSHPOOL WA 8106
PHONE : (09) 356 1277
FAX : (09) 356 1003

FACSIMILE TRANSMISSION

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Date : 17/9/94
To : TRI STAR
Attn :
From : **STEVE HODGSON**

Ref :
Fax No. :
Location :
No. of Pages :
(including this page)

SUBJECT: FAIRVIEW N° 1

1 COMPRESSOR AND 1 BOOSTER ON LINE FROM 00⁰⁰ TO 24⁰⁰

00 ⁰⁰ TO 06 ⁰⁰	FLOW TO PIT		
06 ⁰⁰ TO 08 ⁰⁰	FLOW TO TANK	173.82 BBL'S	86.9 BPH
08 ⁰⁰ TO 09 ²⁰	FLOW TO PIT		
09 ²⁰ TO 11 ²⁰	FLOW TO TANK	171.07 BBL'S	85.53 BPH
11 ²⁰ TO 13 ³⁵	FLOW TO PIT		
13 ³⁵ TO 15 ³⁵	FLOW TO TANK	169.46 BBL'S	84.73 BPH
15 ³⁵ TO 17 ¹⁵	FLOW TO PIT		
17 ¹⁵ TO 19 ¹⁵	FLOW TO TANK	169.78	84.89 BPH
19 ¹⁵ TO 24 ⁰⁰	FLOW TO PIT		

BOOSTER DISCHARGE PRESSURE 690 PSI

ORIFICE PRESSURE 32 PSI

1" ORIFICE.

OILTOOLS

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An OILTOOLS Company
ACN 009 047 349

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FAX : (076)22 3031

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Date : 23-9-94 Ref :
To : TR1 STAR Fax No. :
Attn : Location :
From : No. of Pages :
(Including this page)

SUBJECT: FAIRVIEW #1

700PS1 BOOSTER - 32 ON ORIFICE

2400 - 0600 - FLOW TO PIT

0600 - 0800 - FLOW TO TANK - 176.11 B = 88.05 BPH

0800 - 0900 - FLOW TO PIT

0900 - 1100 - FLOW TO TANK - 173.82 B = 86.91 BPH

1100 - 1230 - FLOW TO PIT

1230 - 1430 - FLOW TO TANK - 174.28 B = 87.14 BPH

1430 - 2400 - FLOW TO PIT

Thanks and regards

FAX NO

OILTOOLS

Oiltools International Pty. Ltd.
An OILTOOLS Company
ACN 009 047 349

203 RAGLAN STREET
ROMA QLD 4455
PHONE : (076)22 3311
FAX : (076)22 3031

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Date : Ref :
To : Fax No. :
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From : No. of Pages :
(Including this page)

SUBJECT: FAIR VIEW #1

..... 700 PSI BOOSTER 32 ON ORIFICE

..... 00:00 - 5:52 TO PIT

..... 5:52 - 7:52 TO TANK 175.33 DOL 87.66 BPH

..... 7:52 - 10:30 TO PIT

..... 10:30 - 12:30 TO TANK 167.17 DOL 83.58 BPH

..... 12:30 - 14:10 TO PIT

..... 14:10 - 16:10 TO TANK 170.15 DOL 85.07 BPH

..... 16:10 - 18:00 TO PIT

Thanks and regards

FAX NO

TRI-STAR PETROLEUM COMPANY

550 W. TEXAS AVE., SUITE 1300
MIDLAND, TEXAS 79701
(915) 683-1834
FAX: (915) 684-4365
Incorporated in Texas, USA

GPO BOX 2742
BRISBANE, QLD 4001
(07) 229-4066
FAX (07) 221-2146
ARBN #050415739

TO: COMPANY: _____

ATTENTION: Jim

FAX NUMBER: _____

FROM: COMPANY: _____

SENDER: JOE

FAX NUMBER: _____

DATE: 10-6-94

MEMO: Flow Test FAIRVIEW #1

Choke size	Booster Psi	Tbg Psi	BBL/DAY
open	700	0	1906
3/4"	740	50	1596
1/2"	760	140	924
1/4"	780	330	113
1/8"	800	600	0

Re running test this PM to verify numbers

NUMBER OF PAGES BEING SENT (including cover sheet): _____

FAX TRANSMISSION FORM



TO: *Tri-S.TAR.PETROLEUM*..... DATE: *11-28-94*.....
FROM: *SCOTT BROWNING*..... PAGE: *1* OF *1*.....
SUBJECT: *Daily Report*..... REPLY:

Fairview #1

M.I.R. U.S.U. SANTOS Rig #1 N.D. W.H. N.U.B.O.P.E.
Set Aux. equip. Rig engine HAVING fuel problems.
S.I.W.S.D.F.N.

Fairview #2

Pull CELLAR BOX - Fill in CELLAR - Level LOCATION.

OPERATIONS in A.M.

TAG Fill in FAIRVIEW #1, if ANY Fill present, &
L.D. 2^{3/8}" TBG.
START BUILDING FAIRVIEW #4.

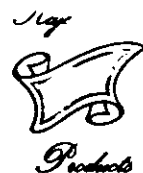
THANK YOU

Scott

D.C. #1 12,605⁰⁰

C.C. #1 12,605⁰⁰

FAX TRANSMISSION FORM



TO: *Tri-STAR Petroleum*..... DATE: *11-29-94 Tues.*
 FROM: *Scott Browning*..... PAGE: *1* OF *1*
 SUBJECT: *Daily Report*..... REPLY:

Fairview #1

7:30 AM Rig Fixed & Running.

*P.U. 5 JTs. + 2' off 6th JT TAG Fill @ 2380' KB. Coal is open.
 Lay down 76 JTs 2³/₈" 4.7" J-55 8rd EUE TBG.*

Change PAMS in BOP To 3¹/₂". P.U. 3¹/₂" prod. String As follows:

1-JT. 3¹/₂" 9.3" J-55 8rd EUE TBG. w/ Notched collar 31.67' 2216.58

1-7"x3¹/₂" Dynamic Torque Anchor 1.80' 2183.11'

1- Highland 20 H 685 P.C. Pump # 1116 4¹/₂" ad. w/ 3¹/₂" 8rd 32.63' 2150.48'

68- JTs 3¹/₂" 9.3" J-55 8rd EUE TBG.

2150.48'

N.D. B.O.P.E. N.U.W.H. R.U. To Run Rods

P.U. & Run Rod String As follows:

1- 32'x2.224 RoTOR w/ 1" pin S./N. 9381

*85- 1" Norris 78 Rods w/ 8 rods w/ 3 rod Guides 2¹/₂" - 70 rods w/ 1 Rod Guide 3'
 & 8 rods w/ 3 rod Guides. 2¹/₂"*

6:30 AM. S.I.W.S.D.F.N.

*Will Space Rods & Pump out & Install Elec. Well Head
 Unit in A.M.*

D.C. 5366⁰⁰

C.C. 17971⁰⁰

*Note: On yesterday's cost, I carried 7500⁰⁰ for rods bought
 from Santos; They will be used in Fairview #2*

*THANKS
 Scott*

FAX TRANSMISSION FORM



TO: *Tri-STAR Petroleum*..... DATE: *11-30-94*.....
 FROM: *Scott Browning*..... PAGE: *1*..... OF *3*.....
 SUBJECT: *Daily Report*..... REPLY:.....

FAIRVIEW #1 PBTD 2470' Report #49

Rod String:

- 1 - 32' x 2.224" ROTOR w/ 1" pin S.N. 9381*
- 85 - 1" Rods w/ Guides*
- 1 - 1' x 8' PONY Rod w/ Guide*
- 1 - 16' x 1 1/4" Polish Rod*

ROTOR SPACED OUT 20" OFF BOTTOM.

INSTALL Well Head equip. R.D.S.U.M.O.

D.C. 4230⁰⁰

C.C. 22,201⁰⁰

FAIRVIEW #2 PBTD 2414' Report #53

M.I.R.U.S.U. & Aux equip. N.D.W.H. N.U.B.O.P.E.

P.U. Pump STATER - TBG. ANCHOR & Run As follows:

- 1 - JT. 3 1/2" 9.3" N-80 8rd EUE TBG. w/ Notched COLLAR. 13.00 KB*
- 1 - 7" x 3 1/2" DYNAMIC Torque ANCHOR 31.44*
- 1 - HIGHLAND 20 H340 P.C. Pump # 1015 4 1/2" OD. w/ 3 1/2" 8rd Threads. 1.82*
- 72 - JTs 3 1/2" 9.3" N-80 8rd EUE TBG. 16.95'*

2237.58'

TBG. Landed @ *2300.79' KB*

Run in Hole To TAG @ 2400' KB. Coal is open.

LAY DOWN 3 JTs. TBG. N.D.B.O.P. N.U.W.H. LAND

TBG @ 2300.79' KB. S.I.W.S.D.F.N.

D.C. 3383⁰⁰

C.C. 3383⁰⁰

THANKS

Scott

FAX TRANSMISSION FORM



TO: *Tri-STAR Petroleum*..... DATE: *12-1-94*.....
FROM: *SCOTT BROWNING*..... PAGE: *2*.....OF *3*.....
SUBJECT: *Daily Report*..... REPLY:.....

Fairview # 1

INSTALL POSTS TO HANG CONTROL PANEL ON.

INSTALL CONTROL PANEL, GENERATOR SET & LEVEL.

WAITING ON ELECTRICIAN, ELECTRICIAN will be here Tomorrow 12-2-94. Fuel TANK will be delivered Tomorrow 12-2-94. 3" Poly Pipe for flowline will be delivered Tomorrow 12-2-94. Should be able to START #1 pump SAT 12-3-94.

P.C. Pump Cost: 31,877⁰⁰

3 1/2" TBG Cost: 4,995⁰⁰

1" Rod Cost: ? Rods THAT Came From U.S.

Fairview # 4

Building Location - Location is 60% done

THANKS

Scott