

RECEIVED

OIL CONSERVATION DIVISION

JUN 05 2008 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD

WELL API NO.

30-025-38499

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Antero 12 Fee

8. Well Number

003

9. OGRID Number

215099

10. Pool name or Wildcat

Denton; Wolfcamp

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

Cimarex Energy Co.

3. Address of Operator

PO Box 140907; Irving, TX 75014-0907

4. Well Location

SHL Unit Letter F : 2310 feet from the North line and 2210 feet from the West lineSection 12 Township 15S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3786' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS ☐P AND A ☐CASING/CEMENT JOB ☐OTHER: ☐Repair bad casing ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

01-19-08 Detected bad 5½" casing during frac job. Casing leak beginning @ 1626' and continuing for 39 jts plus an additional 4.'

01-24-08 Speared 5½" casing. Backed off casing @ 1751. LD 42 jts. Found bad casing collar @ 1621.' RIH and set 42 new joints 5½" 17# P-110 LTC casing.

01-25-08 Pressure tested void to 5000 psi and found additional casing leak from 1681' to 1712.'

01-26-08 Speared 5½" casing. Backed off casing @ 1839.' LD 42 jts.

01-27-08 RIH and set 42 new joints 5½" 17# P-110 LTC casing. Pressure tested void to 5000 psi and pressure tested casing to 2500 psi. Held.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Natalie Krueger TITLE Regulatory Analyst DATE May 31, 2008Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 469-420-2723

For State Use Only

PETROLEUM ENGINEER

SEP 11 2008

APPROVED BY: [Signature] TITLE _____ DATE _____

Conditions of Approval (if any): _____

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Antero 12 FEE
COUNTY: Lea Co., NM
Sec. 12 T15S R37E

SUR: F-12-15s-37e, 2310/N & 2210/W
BHL: C-12-15s-37e, 350/N & 2228/W
API # 30-025-38499

STATE OF NEW MEXICO
DEVIATION REPORT

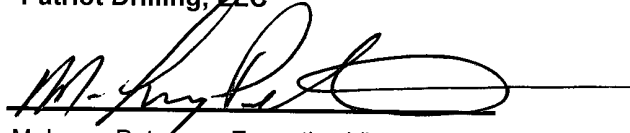
<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
209	1/4	-	
670	3/4	-	
1,162	1	-	
1,661	1/4		
2,013	3/4		
2,446	1		
2,892	1		
3,367	1 1/4		
3,841	1 1/4		
4,313	3/4		
4,661	3/4		
5,137	3/4		
5,516	1/2		
5,960	1		
6,460	1		
6,912	3/4		
7,335	1/4		
7,829	1/2		
8,305	2 1/2		
8,858	2 1/2		
8,780	2 3/4		
9,001	2		
9,317	2		
9,696	1 3/4		

RECEIVED

JUN 05 2008

HOBBS OGD

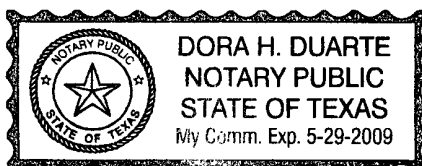
Patriot Drilling, LLC



M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 7th day of
December, 2007 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling,
LLC.

My Commission Expires: 5/29/2009



Dora H. Duarte
Notary Public for Midland Co., Texas



Results of Directional Survey

API number:	30-025-38499		
OGRID:		Operator:	CIMAREX ENERGY CO
		Property:	ANTERO 12 FEE # 3

surface	ULSTR:	F	12	T	15S	R	37E
			2310	FNL		2210	FWL

BH Loc	ULSTR:	C	12	T	15S	R	37E
			350	FNL		2228	FWL

	MD	N/S	E/W	VD
	9335	123.90	-21.67	9325.91
TOP PERFS/OH	9366	139.82	-27.21	9351.65
	9366	139.82	-27.21	9351.65
	11131	1868.46	14.81	9310.32
BOT PERFS/OH	11150	1887.42	15.36	9309.39
	11163	1900.40	15.73	9308.76

NEXT TO LAST	11182	1919.37	16.36	9307.78
LAST READING	11223	1960.30	17.71	9305.78
TD	11223	1960.30	17.71	9305.78

Surface Location	2310	FN	2210	FW
Projected BHL	350	FN	2228	FW
Location of				
Top Perfs/OH	2170	FN	2183	FW
Bottom Perfs/OH	423	FN	2225	FW

SUMMARY of Subsurface Locations

Surface Location	F-12-15S-37E	2310	FN	2210	FW	Vert. Depth
Top Perfs/OH	F-12-15S-37E	2170	FN	2183	FW	9351.65
Bottom Perfs/OH	C-12-15S-37E	423	FN	2225	FW	9309.39
Projected TD	C-12-15S-37E	350	FN	2228	FW	9305.78



ANTERO 12 FEE #3 LEA COUNTY, NEW MEXICO



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	9146.80	2.24	20.18	9145.00	78.72	-3.35	0.00	0.00	78.68	
2	9161.80	3.97	0.77	9159.98	79.52	-3.24	13.33	-41.29	79.48	
3	9166.80	3.97	0.77	9164.97	79.86	-3.24	0.00	0.00	79.82	
4	9587.90	90.00	0.77	9426.00	359.63	0.50	20.43	0.00	359.61	
5	9647.93	91.80	0.77	9425.06	419.64	1.31	3.00	0.02	419.62	
6	11209.08	91.80	0.77	9376.00	1979.88	22.20	0.00	0.00	1980.00	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#3	0.00	0.00	225997.99	275065.02	33°01'57.759N	103°09'18.252W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9376.00	1979.88	22.20	226601.49	275065.02	Point

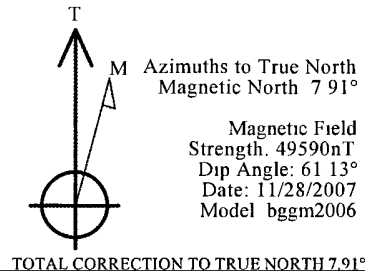
FIELD DETAILS

Lea Co., NM (NAD 83)

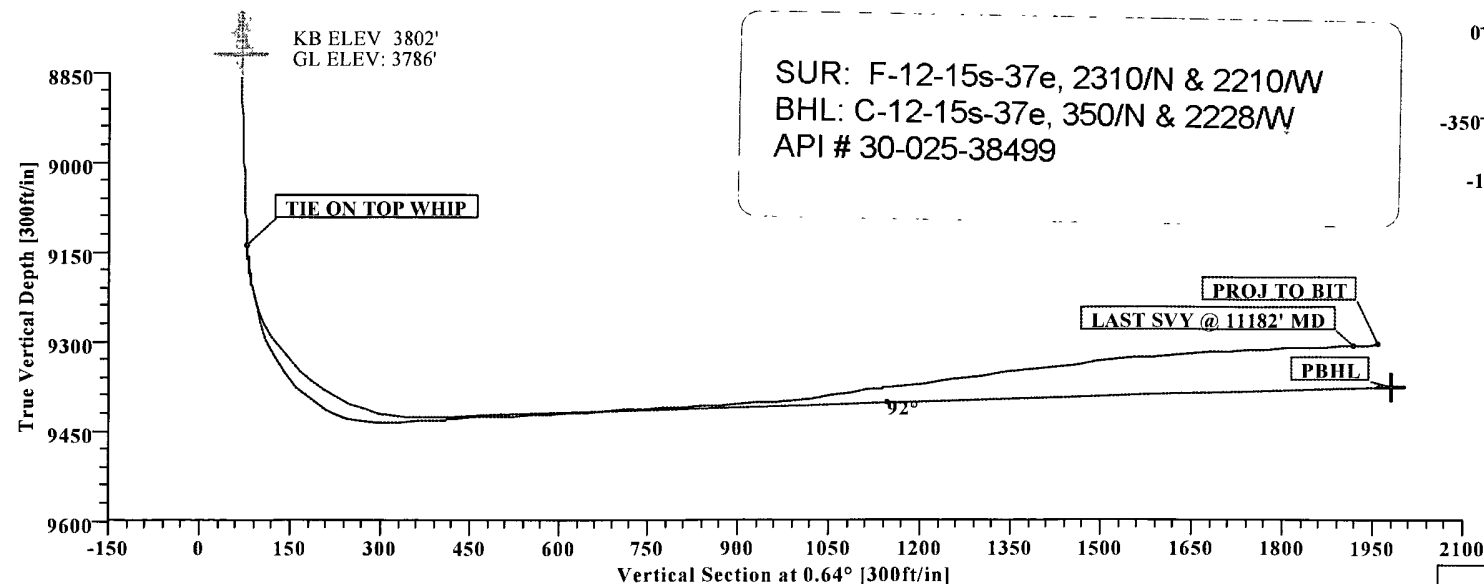
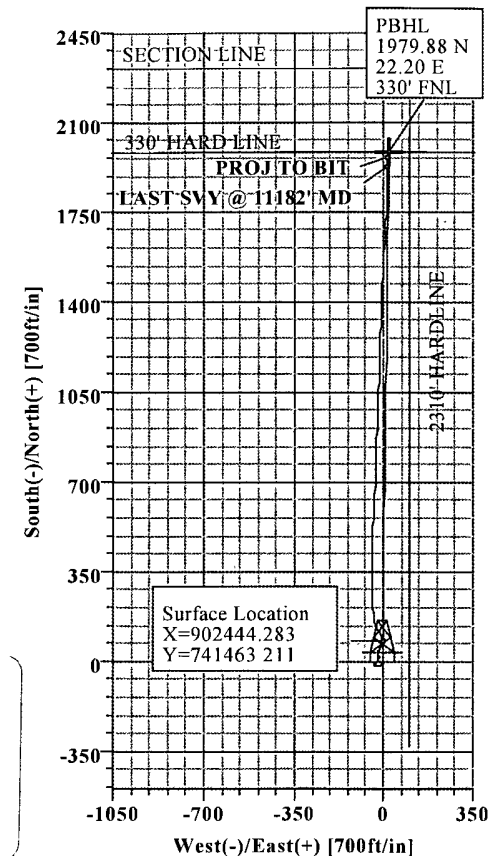
Geodetic System US State Plane Coordinate System 1983
 Ellipsoid GRS 1980
 Zone New Mexico, Eastern Zone
 Magnetic Model bggm2006
 System Datum Mean Sea Level
 Local North True North

SITE DETAILS

Antero 12 Fee #3
 2310' FNL 2210' FWL of SEC 12, T-15-S, R-37-E
 Site Centre Northing 225997.99
 Easting 275065.02
 Ground Level 3786.00
 Positional Uncertainty 0.00
 Convergence 0.64



LEGEND
 #3 LATERAL Plan #1
 WFT SVY





Weatherford International, Inc.

Survey Report


Weatherford

Company: Cimarex	Date: 12/14/2007	Time: 10:07:18	Page: 1
Field: Lea Co., NM (NAD 83)	Co-ordinate(NE) Reference: Site: Antero 12 Fee #3, True North		
Site: Antero 12 Fee #3	Vertical (TVD) Reference: SITE 3802.0		
Well: #3	Section (VS) Reference: Well (0.00N,0.00E,0.64Azi)		
Wellpath: LATERAL	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Lea Co , NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: bggm2006

Site: Antero 12 Fee #3

2310' FNL 2210' FWL of SEC 12, T-15-S, R-37-E

Site Position:	Northings: 741463.21 ft	Latitude: 33 1 57.759 N
From: Map	Easting: 902444.28 ft	Longitude: 103 9 18.252 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 3786.00 ft		Grid Convergence: 0.64 deg

Well: #3

Slot Name:

Well Position:	+N/-S 0.00 ft	Northings: 741463.21 ft	Latitude: 33 1 57.759 N
	+E/-W 0.00 ft	Easting: 902444.28 ft	Longitude: 103 9 18.252 W
Position Uncertainty: 0.00 ft			

Wellpath: LATERAL

Current Datum: SITE	Height 3802.00 ft	Drilled From: GYRO
Magnetic Data: 11/28/2007		Tie-on Depth: 9146.80 ft
Field Strength: 49590 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S ft	Declination: 7.91 deg
		Mag Dip Angle: 61.13 deg
		+E/-W ft
		Direction deg
0.00	0.00	0.00
		0.64

Survey: WFT SVY

Start Date: 12/5/2007

Company: Weatherford International, Inc
Tool:

Engineer: Lindsey Maddux
Tied-to: User Defined

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9141.00	2.24	20.18	9140.00	78.73	-3.35	78.69	0.00	0.00	0.00	TIE ON TOP WHIP
9176.00	6.70	359.30	9174.89	81.42	-3.14	81.38	13.36	12.74	-59.66	
9208.00	10.70	340.30	9206.52	86.09	-4.16	86.03	15.23	12.50	-59.37	
9239.00	14.60	335.90	9236.76	92.36	-6.73	92.28	12.95	12.58	-14.19	
9271.00	18.80	335.90	9267.40	100.76	-10.48	100.63	13.12	13.12	0.00	
9303.00	23.20	333.50	9297.27	111.11	-15.40	110.93	14.01	13.75	-7.50	
9335.00	29.70	334.20	9325.91	123.90	-21.67	123.65	20.34	20.31	2.19	
9366.00	37.90	340.50	9351.65	139.82	-28.21	139.50	28.74	26.45	20.32	
9398.00	45.60	346.50	9375.52	160.24	-34.17	159.85	27.09	24.06	18.75	
9430.00	53.30	351.00	9396.31	184.07	-38.85	183.62	26.32	24.06	14.06	
9461.00	60.70	356.00	9413.19	209.88	-41.74	209.40	27.43	23.87	16.13	
9476.00	65.30	357.70	9420.00	223.22	-42.47	222.73	32.28	30.67	11.33	
9493.00	69.50	358.60	9426.53	238.90	-42.98	238.40	25.18	24.71	5.29	
9503.00	74.90	357.70	9429.59	248.41	-43.29	247.91	54.68	54.00	-9.00	
9524.00	83.40	355.80	9433.54	268.98	-44.46	268.47	41.44	40.48	-9.05	
9553.00	90.02	359.43	9435.20	297.89	-45.66	297.36	26.02	22.83	12.52	
9556.00	90.70	359.80	9435.18	300.89	-45.68	300.36	25.80	22.67	12.33	
9588.00	91.50	0.30	9434.57	332.88	-45.65	332.35	2.95	2.50	1.56	
9619.00	92.20	0.70	9433.57	363.87	-45.38	363.34	2.60	2.26	1.29	
9651.00	93.20	0.70	9432.06	395.83	-44.99	395.30	3.12	3.12	0.00	
9683.00	93.90	1.40	9430.08	427.76	-44.41	427.24	3.09	2.19	2.19	
9714.00	94.30	1.90	9427.86	458.67	-43.52	458.15	2.06	1.29	1.61	
9746.00	92.40	2.10	9425.99	490.59	-42.40	490.09	5.97	-5.94	0.62	
9778.00	90.50	2.50	9425.18	522.56	-41.12	522.06	6.07	-5.94	1.25	



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: Cimarex
Field: Lea Co., NM (NAD 83)
Site: Antero 12 Fee #3
Well: #3
Wellpath: LATERAL

Date: 12/14/2007 Time: 10:07:18 Page: 2
Co-ordinate(N/E) Reference: Site: Antero 12 Fee #3, True North
Vertical (TVD) Reference: SITE 3802.0
Section (VS) Reference: Well (0.00N,0.00E,0.64Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9809.00	90.60	2.60	9424.89	553.52	-39.74	553.04	0.46	0.32	0.32	
9841.00	93.10	3.00	9423.85	585.47	-38.18	585.00	7.91	7.81	1.25	
9873.00	95.00	3.70	9421.59	617.33	-36.31	616.88	6.33	5.94	2.19	
9904.00	94.30	3.70	9419.08	648.16	-34.32	647.74	2.26	-2.26	0.00	
9936.00	93.70	3.30	9416.85	680.03	-32.37	679.62	2.25	-1.87	-1.25	
9967.00	93.00	2.50	9415.04	710.93	-30.80	710.54	3.43	-2.26	-2.58	
9999.00	92.30	2.30	9413.56	742.87	-29.46	742.49	2.27	-2.19	-0.62	
10030.00	92.90	2.10	9412.15	773.82	-28.27	773.45	2.04	1.94	-0.65	
10062.00	92.50	1.60	9410.64	805.76	-27.24	805.41	2.00	-1.25	-1.56	
10094.00	93.10	1.00	9409.08	837.72	-26.52	837.37	2.65	1.87	-1.87	
10125.00	93.70	1.20	9407.24	868.66	-25.92	868.31	2.04	1.94	0.65	
10156.00	93.90	1.60	9405.19	899.58	-25.17	899.24	1.44	0.65	1.29	
10188.00	94.40	1.40	9402.87	931.48	-24.33	931.15	1.68	1.56	-0.62	
10219.00	94.80	1.90	9400.38	962.37	-23.44	962.05	2.06	1.29	1.61	
10250.00	96.00	2.60	9397.47	993.21	-22.23	992.90	4.48	3.87	2.26	
10281.00	97.30	2.80	9393.88	1023.97	-20.78	1023.67	4.24	4.19	0.65	
10313.00	97.50	2.30	9389.76	1055.67	-19.37	1055.38	1.67	0.62	-1.56	
10344.00	98.20	2.30	9385.52	1086.35	-18.14	1086.08	2.26	2.26	0.00	
10375.00	97.80	1.60	9381.21	1117.03	-17.09	1116.77	2.58	-1.29	-2.26	
10407.00	96.90	2.30	9377.11	1148.75	-16.01	1148.50	3.55	-2.81	2.19	
10439.00	97.30	1.90	9373.16	1180.48	-14.85	1180.24	1.76	1.25	-1.25	
10471.00	97.40	1.80	9369.06	1212.20	-13.82	1211.97	0.44	0.31	-0.31	
10502.00	97.10	2.10	9365.15	1242.94	-12.78	1242.72	1.36	-0.97	0.97	
10534.00	97.30	1.80	9361.14	1274.67	-11.70	1274.46	1.12	0.62	-0.94	
10565.00	97.70	1.80	9357.10	1305.39	-10.73	1305.18	1.29	1.29	0.00	
10597.00	97.70	1.60	9352.81	1337.08	-9.79	1336.89	0.62	0.00	-0.62	
10629.00	97.70	1.40	9348.52	1368.78	-8.96	1368.60	0.62	0.00	-0.62	
10660.00	96.50	2.10	9344.69	1399.53	-8.02	1399.35	4.47	-3.87	2.26	
10691.00	96.50	2.50	9341.18	1430.31	-6.78	1430.14	1.28	0.00	1.29	
10723.00	96.60	2.80	9337.53	1462.06	-5.32	1461.91	0.98	0.31	0.94	
10755.00	95.60	3.50	9334.13	1493.84	-3.57	1493.70	3.81	-3.12	2.19	
10787.00	95.60	3.50	9331.01	1525.62	-1.62	1525.51	0.00	0.00	0.00	
10818.00	95.30	3.50	9328.06	1556.43	0.26	1556.33	0.97	-0.97	0.00	
10850.00	94.20	3.70	9325.41	1588.25	2.26	1588.18	3.49	-3.44	0.62	
10882.00	94.30	3.50	9323.04	1620.10	4.27	1620.05	0.70	0.31	-0.62	
10913.00	94.30	3.70	9320.72	1650.95	6.21	1650.92	0.64	0.00	0.65	
10943.00	94.30	3.30	9318.47	1680.81	8.04	1680.80	1.33	0.00	-1.33	
10975.00	93.60	3.20	9316.26	1712.68	9.85	1712.69	2.21	-2.19	-0.31	
11006.00	93.40	3.00	9314.37	1743.58	11.52	1743.60	0.91	-0.65	-0.65	
11038.00	91.90	2.10	9312.89	1775.51	12.94	1775.55	5.46	-4.69	-2.81	
11069.00	91.40	1.00	9312.00	1806.49	13.78	1806.53	3.90	-1.61	-3.55	
11100.00	91.10	0.70	9311.32	1837.48	14.24	1837.52	1.37	-0.97	-0.97	
11131.00	92.60	1.40	9310.32	1868.46	14.81	1868.50	5.34	4.84	2.26	
11163.00	93.00	1.90	9308.76	1900.40	15.73	1900.46	2.00	1.25	1.56	
11182.00	92.90	1.90	9307.78	1919.37	16.36	1919.43	0.53	-0.53	0.00	LAST SVY @ 11182' MD
11223.00	92.68	1.90	9305.78	1960.30	17.71	1960.37	0.54	-0.54	0.00	PROJ TO BIT

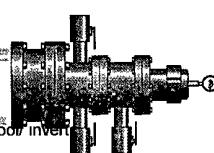
Annotation

MD ft	TVD ft	
9141.00	9140.00	TIE ON TOP WHIP
11182.00	9307.78	LAST SVY @ 11182' MD
11223.00	9305.78	PROJ TO BIT



1/2 ARROWSET PACKER 15-20 ILB

5 1/2 on/off tool Invert



DOWN HOLE WELL PROFILE

WELL NAME	ANTERO 12 FEE #3-H	DATE	12/14/07
SUPERVISOR	LEE MERMIS	TOOL HAND	V. SAUCEDO
PHONE #	303-285-5928	PHONE #	432-425-7995
RIG #	KEY RIG 115	FIELD TICKET #	

ELEVATIONS

KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBTD
				19	
CASING/OOPEN HOLE LAYOUT		OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)
CASING DESCRIPTION		5 1/2		17	
WINDOW DESCRIPTION		9140			
OPEN HOLE DESCRIPTION		4 3/4			
				JUNCTION @	

DESCRIPTION

STEERING DIRECTIONS

DOWNHOLE DESCRIPTION FROM BOTTOM UP (Tubing String)

[illegible]

5.5 IISO PAK #4
8 PINS X 233PSI = 1864 PSI

STRATA PORT #3
4 PINS X 420PSI= 1680 PSI

5.5 ISO PAK #3
8 PINS X 233 PSI = 1864 PSI

STRATA PORT #2 1.75" SEAT
4 PINS X 420 PSI= 1680 PSI

5.5 ISO PAK #2
8 PINS X 233 PSI= 1864 PSI

STRATA PORT # 1 1.50" SEAT
4 PINS X 420PSI= 1680 PSI

5.5 ISO PAK #1
7 PINS X 233 PSI= 1631 PSI

5 5 HYDRO PAK ANCHOR
7 PINS X 233 PSI=1631 PSI

2 7/8 PUMP-OUT PLUG
12 PINS X 337 50 PSI= 4050 PSI

TOTAL MEASURED DEPTH
11150FT

*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE

**** INSERT COMPANY ****