

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMBNO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator **Marbob Energy Corporation**3. Address **PO Box 227
Artesia, NM 88211-0227**3a. Phone No. (include area code)
505-748-3303

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **840 FSL 810 FEL, Unit P**

At top prod. interval reported below

At total depth **1914 FSL 830 FEL, Unit I**14. Date Spudded
08/27/200615. Date T.D. Reached
10/22/200616. Date Completed **11/18/2006**
☐ D & A ☒ Ready to Prod.5. Lease Serial No.
NMNM97113

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM1174068. Lease Name and Well No.
Hot Seat Federal Com #19. AFI Well No.
30-015-3500910. Field and Pool, or Exploratory
Chosa Draw; Morrow (Gas)11. Sec., T., R., M., on Block and
Survey or Area **Sec. 35-T24S-R25E**12. County or Parish **Eddy** 13. State
NM17. Elevations (DF, RKB, RT, GL)*
3592' GL18. Total Depth: MD **12180'**
TVD **12005'**19. Plug Back T.D.: MD **11946'**
TVD **11772'**20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DLL, Csgng22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	54.5#	0	212'		275 sx		0	None
12 1/4"	9 5/8"	36#	0	1598'		750 sx		0	None
8 3/4"	5 1/2"	17#	0	12024'		2760 sx		1500'	None

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	11442'	11430'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	11482'	11681'	11482' - 11681'		104	Open
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
11482' - 11681'	Acidz w/ 2000 gal Clay Safe H. Frac w/ 972 bbls fluid & 100K# Versaprop

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/11/2007	01/12/2007	24	→	0	1289	67			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

JAN 31 2007

WESLEY M. INGRAM
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Cherry Canyon	2468'
				Brushy Canyon	4051'
				Bone Spring	5207'
				Wolfcamp	8427'
				Strawn	10495'
				Atoka	10857'
				Morrow Clastics	11298'
				Lower Morrow	11748'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other:

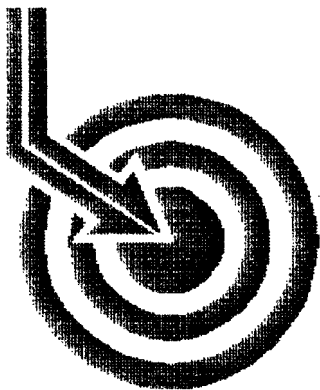
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Diana J. Briggs**Title **Production Analyst**

Signature

Date **01/12/2007**

Title 18 U.S.C Section 1001 and Title 42 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific Drilling

MARBOB ENERGY

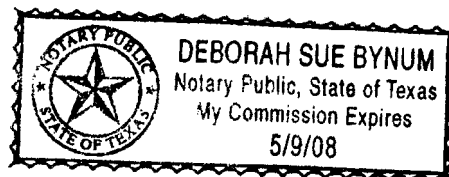
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764
Survey: 09/21/06

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....L. Wharton.....Company Representative

Notorized this date 24th of October, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: MARBOB ENERGY
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764

Date: 10/29/2006 Time: 13:10:10 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,164.51Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 09/21/06
KSRG 0'-6800'

Start Date: 09/21/2006

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Gonzales w/Geo Gyro
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.11	126.54	99.99	0.76	-0.58	0.78	1.11	0.97	126.54
200.00	2.34	76.15	199.95	1.59	-0.66	3.54	1.84	3.60	100.64
300.00	1.76	96.08	299.89	2.21	-0.34	7.05	0.91	7.06	92.75
400.00	1.70	102.59	399.84	3.47	-0.82	10.02	0.21	10.06	94.70
500.00	2.89	89.61	499.76	4.83	-1.13	13.99	1.29	14.04	94.62
600.00	3.40	76.98	599.61	5.61	-0.45	19.40	0.86	19.41	91.32
700.00	2.41	72.13	699.48	5.65	0.87	24.29	1.02	24.31	87.95
800.00	2.50	351.68	799.42	3.40	3.67	25.98	3.17	26.24	81.96
900.00	2.63	248.74	899.36	1.47	5.00	23.52	4.01	24.05	78.00
1000.00	2.08	211.68	999.28	2.93	2.62	20.43	1.58	20.60	82.69
1100.00	1.67	194.70	1099.22	5.42	-0.33	19.11	0.69	19.11	91.00
1200.00	1.52	188.62	1199.19	7.89	-3.05	18.54	0.23	18.79	99.35
1300.00	1.58	189.90	1299.15	10.35	-5.72	18.10	0.07	18.99	107.54
1400.00	1.48	185.94	1399.11	12.80	-8.36	17.73	0.15	19.61	115.25
1500.00	1.34	178.15	1499.08	15.14	-10.82	17.64	0.24	20.69	121.52
1600.00	1.22	173.71	1599.06	17.32	-13.04	17.79	0.16	22.06	126.25
1700.00	1.01	171.06	1699.04	19.25	-14.97	18.05	0.22	23.45	129.68
1800.00	0.98	169.83	1799.02	20.98	-16.69	18.33	0.04	24.79	132.31
1900.00	1.15	174.30	1899.01	22.82	-18.53	18.58	0.19	26.24	134.91
2000.00	0.88	166.42	1998.99	24.57	-20.27	18.86	0.30	27.69	137.06
2100.00	0.96	168.93	2098.98	26.18	-21.84	19.21	0.09	29.08	138.67
2200.00	0.94	168.19	2198.96	27.83	-23.46	19.53	0.02	30.53	140.22
2300.00	0.76	164.87	2298.95	29.31	-24.91	19.88	0.19	31.87	141.41
2400.00	0.74	165.36	2398.94	30.62	-26.17	20.21	0.02	33.07	142.32
2500.00	0.78	165.79	2498.94	31.95	-27.46	20.54	0.04	34.29	143.20
2600.00	0.51	159.10	2598.93	33.07	-28.53	20.87	0.28	35.35	143.82
2700.00	0.61	161.60	2698.92	34.04	-29.45	21.19	0.10	36.29	144.26
2800.00	0.40	154.46	2798.92	34.92	-30.27	21.51	0.22	37.14	144.60
2900.00	0.70	162.70	2898.92	35.87	-31.17	21.85	0.31	38.06	144.98
3000.00	0.89	168.51	2998.91	37.26	-32.52	22.18	0.21	39.36	145.70
3100.00	0.72	162.76	3098.90	38.66	-33.88	22.52	0.19	40.68	146.38
3200.00	0.51	157.91	3198.89	39.73	-34.89	22.88	0.22	41.72	146.75
3300.00	0.64	162.59	3298.89	40.73	-35.84	23.21	0.14	42.70	147.07
3400.00	0.61	161.97	3398.88	41.82	-36.87	23.54	0.03	43.75	147.44
3500.00	0.56	159.84	3498.87	42.84	-37.84	23.88	0.05	44.74	147.75
3600.00	1.14	172.72	3598.86	44.31	-39.28	24.17	0.61	46.12	148.40
3700.00	1.01	169.88	3698.85	46.17	-41.14	24.45	0.14	47.86	149.28
3800.00	0.90	165.77	3798.83	47.84	-42.77	24.80	0.13	49.44	149.89
3900.00	1.01	167.21	3898.82	49.50	-44.39	25.19	0.11	51.04	150.43
4000.00	1.10	165.86	3998.80	51.34	-46.18	25.62	0.09	52.81	150.98
4100.00	1.18	167.99	4098.78	53.33	-48.12	26.07	0.09	54.72	151.56
4200.00	1.44	172.27	4198.75	55.60	-50.37	26.45	0.28	56.89	152.30
4300.00	1.01	165.37	4298.73	57.73	-52.47	26.84	0.45	58.93	152.91
4400.00	0.98	162.62	4398.72	59.47	-54.14	27.32	0.06	60.64	153.22
4500.00	1.09	173.53	4498.70	61.26	-55.90	27.68	0.23	62.38	153.66
4600.00	1.09	181.32	4598.68	63.11	-57.79	27.77	0.15	64.12	154.34
4700.00	0.79	165.70	4698.67	64.71	-59.41	27.91	0.39	65.64	154.83
4800.00	0.80	170.01	4798.66	66.09	-60.77	28.21	0.06	66.99	155.10



Scientific Drilling International

Survey Report

Company: MARBOB ENERGY
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764

Date: 10/29/2006 Time: 13:10:10 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,164.51Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

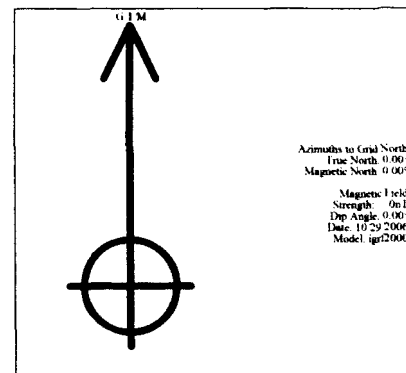
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.40	152.22	4898.64	67.98	-62.54	28.90	0.68	68.89	155.20
5000.00	1.30	155.76	4998.61	70.30	-64.65	29.93	0.13	71.24	155.16
5100.00	1.32	161.04	5098.59	72.57	-66.77	30.77	0.12	73.52	155.26
5200.00	1.39	185.14	5198.56	74.85	-69.07	31.04	0.57	75.73	155.80
5300.00	1.28	192.71	5298.53	76.97	-71.37	30.68	0.21	77.69	156.74
5400.00	0.36	168.83	5398.52	78.27	-72.77	30.50	0.96	78.90	157.26
5500.00	1.31	170.90	5498.51	79.72	-74.20	30.74	0.95	80.32	157.50
5600.00	1.31	195.03	5598.48	81.84	-76.44	30.62	0.55	82.34	158.17
5700.00	0.96	204.08	5698.46	83.47	-78.31	29.99	0.39	83.85	159.05
5800.00	1.30	203.33	5798.44	85.00	-80.11	29.19	0.34	85.27	159.98
5900.00	1.37	205.46	5898.42	86.79	-82.23	28.23	0.09	86.94	161.05
6000.00	0.39	41.32	5998.41	87.50	-83.06	27.94	1.75	87.63	161.41
6100.00	1.45	249.90	6098.40	87.42	-83.24	26.98	1.80	87.50	162.04
6200.00	0.86	249.98	6198.38	87.58	-83.93	25.09	0.59	87.60	163.36
6300.00	1.55	77.62	6298.37	87.71	-83.90	25.70	2.41	87.74	162.97
6400.00	0.46	263.30	6398.36	87.72	-83.65	26.62	2.01	87.79	162.35
6500.00	0.79	255.27	6498.36	87.65	-83.87	25.56	0.34	87.68	163.05
6600.00	0.43	249.62	6598.35	87.68	-84.18	24.54	0.36	87.68	163.75
6700.00	0.42	331.47	6698.35	87.35	-83.99	24.01	0.56	87.35	164.04
6800.00	0.74	267.83	6798.34	86.85	-83.69	23.19	0.67	86.85	164.51

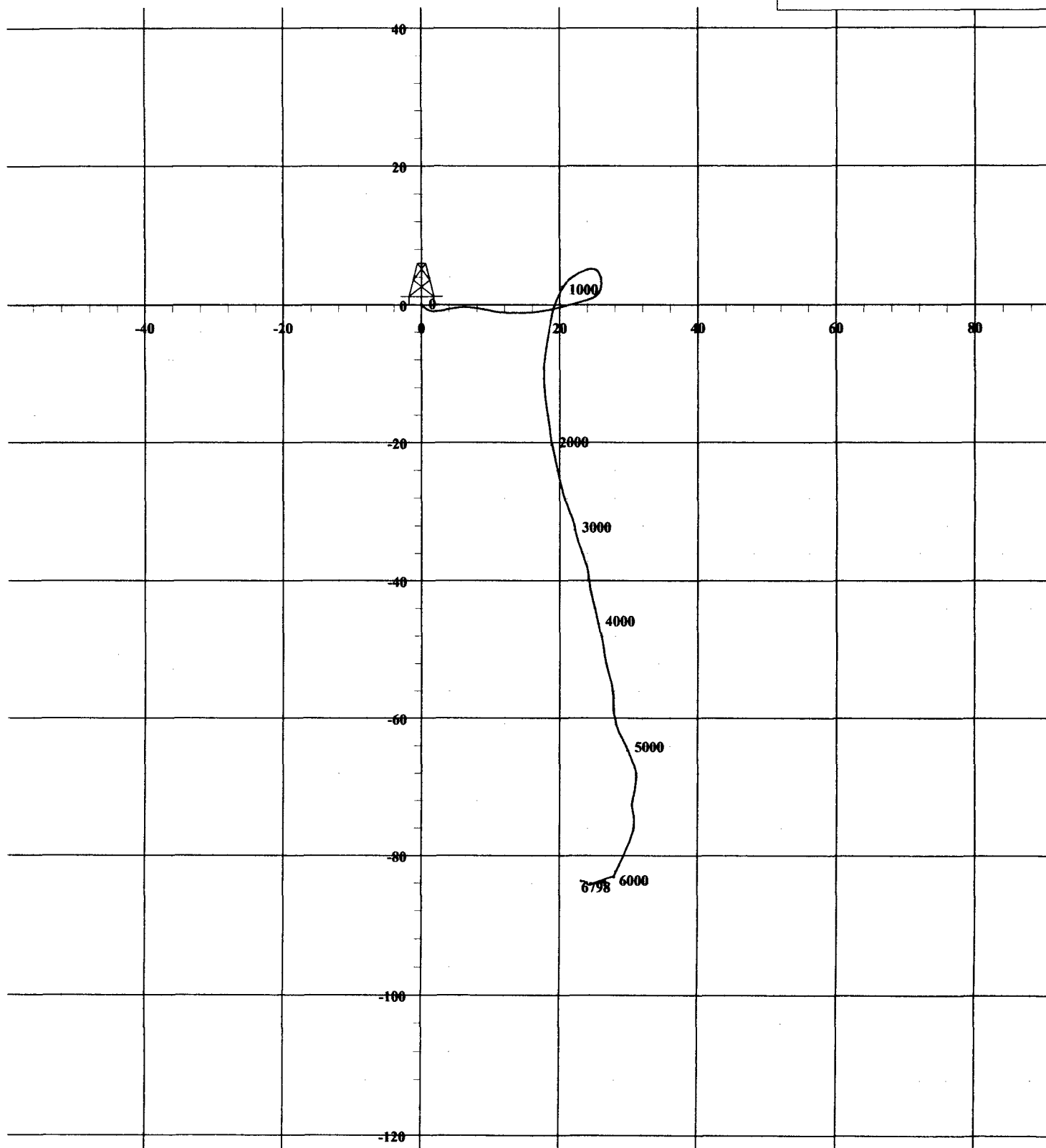


Scientific
Drilling

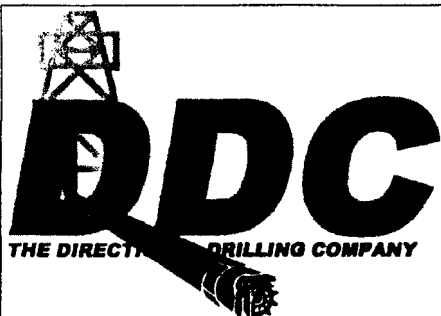
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764
Survey: 09/21/06



South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]



Job Number:
 Company: Marbob Energy
 Lease/Well: Hot Seat Fed. Com. #1
 Location: Eddy County
 Rig Name: Patriot #3
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination:
 Grid:
 File name: C:\DOCUME~1\RICKMA~1\MYDOCU~1\PROPOS~1\MA
 Date/Time: 03-Nov-06 / 09:55
 Curve Name: Combined Surveys

The Directional Drilling Company

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
Distance FT	Direction Deg								
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Scientific Gyro Survey									
100.00	1.11	126.54	99.99	-.58	-.58	.78	.97	126.54	1.11
200.00	2.34	76.15	199.95	-.66	-.66	3.54	3.60	100.64	1.84
300.00	1.76	96.08	299.89	-.34	-.34	7.05	7.06	92.75	.91
400.00	1.70	102.59	399.84	-.82	-.82	10.02	10.06	94.70	.21
500.00	2.89	89.61	499.76	-1.13	-1.13	13.99	14.04	94.62	1.29
600.00	3.40	76.98	599.61	-.45	-.45	19.40	19.41	91.32	.86
700.00	2.41	72.13	699.48	.87	.87	24.29	24.31	87.95	1.02
800.00	2.50	351.68	799.42	3.67	3.67	25.98	26.24	81.96	3.17
900.00	2.63	248.74	899.36	5.00	5.00	23.52	24.05	78.00	4.01
1000.00	2.08	211.68	999.28	2.62	2.62	20.43	20.60	82.69	1.58
1100.00	1.67	194.70	1099.22	-.33	-.33	19.11	19.11	91.00	.69
1200.00	1.52	188.62	1199.19	-3.05	-3.05	18.54	18.79	99.35	.23
1300.00	1.58	189.90	1299.15	-5.72	-5.72	18.10	18.99	107.54	.07
1400.00	1.48	185.94	1399.11	-8.36	-8.36	17.73	19.61	115.25	.15
1500.00	1.34	178.15	1499.08	-10.82	-10.82	17.64	20.69	121.52	.24
1600.00	1.22	173.71	1599.06	-13.04	-13.04	17.79	22.06	126.25	.16
1700.00	1.01	171.06	1699.04	-14.97	-14.97	18.05	23.45	129.68	.22
1800.00	.98	169.83	1799.02	-16.69	-16.69	18.33	24.79	132.31	.04
1900.00	1.15	174.30	1899.01	-18.53	-18.53	18.58	26.24	134.91	.19
2000.00	.88	166.42	1998.99	-20.27	-20.27	18.86	27.69	137.06	.30
2100.00	.96	168.93	2098.98	-21.84	-21.84	19.21	29.08	138.67	.09
2200.00	.94	168.19	2198.96	-23.46	-23.46	19.53	30.53	140.22	.02

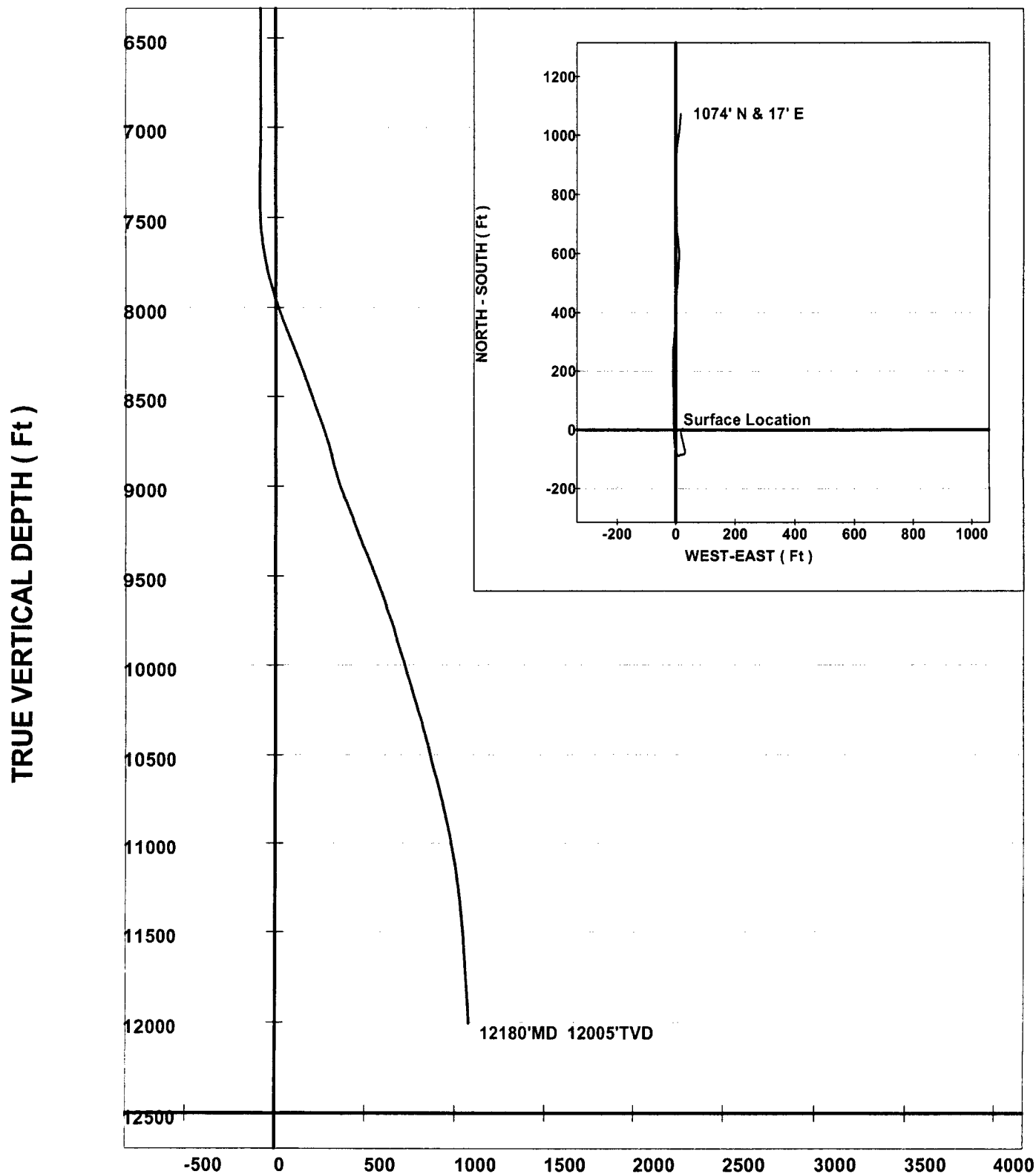
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2300.00	.76	164.87	2298.95	-24.91	-24.91	19.88	31.87	141.41	.19
2400.00	.74	165.36	2398.94	-26.17	-26.17	20.21	33.07	142.32	.02
2500.00	.78	165.79	2498.94	-27.46	-27.46	20.54	34.29	143.20	.04
2600.00	.51	159.10	2598.93	-28.53	-28.53	20.87	35.35	143.82	.28
2700.00	.61	161.60	2698.92	-29.45	-29.45	21.19	36.29	144.26	.10
2800.00	.40	154.46	2798.92	-30.27	-30.27	21.51	37.14	144.60	.22
2900.00	.70	162.70	2898.92	-31.17	-31.17	21.85	38.06	144.98	.31
3000.00	.89	168.51	2998.91	-32.52	-32.52	22.18	39.36	145.70	.21
3100.00	.72	162.76	3098.90	-33.88	-33.88	22.52	40.68	146.38	.19
3200.00	.51	157.91	3198.89	-34.89	-34.89	22.88	41.72	146.75	.22
3300.00	.64	162.59	3298.89	-35.84	-35.84	23.21	42.70	147.07	.14
3400.00	.61	161.97	3398.88	-36.87	-36.87	23.54	43.75	147.44	.03
3500.00	.56	159.84	3498.87	-37.84	-37.84	23.88	44.74	147.75	.05
3600.00	1.14	172.72	3598.86	-39.28	-39.28	24.17	46.12	148.40	.61
3700.00	1.01	169.88	3698.85	-41.14	-41.14	24.45	47.86	149.28	.14
3800.00	.90	165.77	3798.83	-42.77	-42.77	24.80	49.44	149.89	.13
3900.00	1.01	167.21	3898.82	-44.39	-44.39	25.19	51.04	150.43	.11
4000.00	1.10	165.86	3998.80	-46.18	-46.18	25.62	52.81	150.98	.09
4100.00	1.18	167.99	4098.78	-48.12	-48.12	26.07	54.72	151.56	.09
4200.00	1.44	172.27	4198.75	-50.37	-50.37	26.45	56.89	152.30	.28
4300.00	1.01	165.37	4298.73	-52.47	-52.47	26.84	58.93	152.91	.45
4400.00	.98	162.62	4398.72	-54.14	-54.14	27.32	60.64	153.22	.06
4500.00	1.09	173.53	4498.70	-55.90	-55.90	27.68	62.38	153.66	.23
4600.00	1.09	181.32	4598.68	-57.79	-57.79	27.77	64.12	154.34	.15
4700.00	.79	165.70	4698.67	-59.41	-59.41	27.91	65.64	154.83	.39
4800.00	.80	170.01	4798.66	-60.77	-60.77	28.21	66.99	155.10	.06
4900.00	1.40	152.22	4898.64	-62.54	-62.54	28.90	68.89	155.20	.68
5000.00	1.30	155.76	4998.61	-64.65	-64.65	29.93	71.24	155.16	.13
5100.00	1.32	161.04	5098.59	-66.77	-66.77	30.77	73.52	155.26	.12
5200.00	1.39	185.14	5198.56	-69.07	-69.07	31.04	75.73	155.80	.57
5300.00	1.28	192.71	5298.53	-71.37	-71.37	30.68	77.69	156.74	.21
5400.00	.36	168.83	5398.52	-72.77	-72.77	30.50	78.90	157.26	.96
5500.00	1.31	170.90	5498.51	-74.20	-74.20	30.74	80.32	157.50	.95
5600.00	1.31	195.03	5598.48	-76.44	-76.44	30.62	82.34	158.17	.55
5700.00	.96	204.08	5698.46	-78.31	-78.31	29.99	83.85	159.05	.39
5800.00	1.30	203.33	5798.44	-80.11	-80.11	29.19	85.27	159.98	.34
5900.00	1.37	205.46	5898.42	-82.23	-82.23	28.23	86.94	161.05	.09
6000.00	.39	41.32	5998.41	-83.06	-83.06	27.94	87.63	161.41	1.75
6100.00	1.45	249.90	6098.40	-83.24	-83.24	26.98	87.50	162.04	1.80
6200.00	.86	249.98	6198.38	-83.93	-83.93	25.09	87.60	163.36	.59
6300.00	1.55	77.62	6298.37	-83.90	-83.90	25.70	87.74	162.97	2.41
6400.00	.46	263.30	6398.36	-83.65	-83.65	26.62	87.79	162.35	2.01
6500.00	.79	255.27	6498.36	-83.87	-83.87	25.56	87.68	163.05	.34
6600.00	.43	249.62	6598.35	-84.18	-84.18	24.54	87.68	163.75	.36
6700.00	.42	331.47	6698.35	-83.99	-83.99	24.01	87.35	164.04	.56

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
End of Gyro Survey									
6800.00	.74	267.83	6798.34	-83.69	-83.69	23.19	86.85	164.51	.67
Begin Pathfinder MWD Survey									
6942.00	.88	263.65	6940.33	-83.85	-83.85	21.19	86.48	165.82	.11
7068.00	1.14	263.30	7066.31	-84.10	-84.10	18.99	86.22	167.28	.21
7195.00	1.93	254.68	7193.26	-84.81	-84.81	15.67	86.25	169.53	.65
7322.00	2.64	234.64	7320.16	-87.07	-87.07	11.22	87.79	172.66	.83
7354.00	2.55	239.39	7352.13	-87.86	-87.86	10.01	88.43	173.50	.73
7386.00	2.20	260.13	7384.10	-88.33	-88.33	8.79	88.76	174.32	2.88
7417.00	2.02	287.55	7415.08	-88.26	-88.26	7.68	88.60	175.03	3.27
7449.00	2.46	315.41	7447.06	-87.60	-87.60	6.66	87.86	175.65	3.62
7481.00	3.25	330.44	7479.02	-86.33	-86.33	5.73	86.52	176.20	3.38
7513.00	4.22	337.48	7510.95	-84.45	-84.45	4.83	84.59	176.72	3.35
7544.00	5.10	336.95	7541.85	-82.13	-82.13	3.86	82.22	177.31	2.84
7576.00	5.98	341.34	7573.70	-79.24	-79.24	2.77	79.29	178.00	3.05
7608.00	7.30	342.05	7605.48	-75.73	-75.73	1.61	75.74	178.78	4.13
7640.00	8.35	345.30	7637.19	-71.55	-71.55	.39	71.55	179.69	3.56
7672.00	8.79	347.23	7668.83	-66.91	-66.91	-.74	66.92	180.63	1.64
7703.00	9.76	350.39	7699.42	-62.01	-62.01	-1.70	62.04	181.57	3.53
7735.00	10.82	350.83	7730.91	-56.37	-56.37	-2.63	56.43	182.67	3.32
7767.00	11.52	353.56	7762.30	-50.23	-50.23	-3.47	50.35	183.95	2.74
7799.00	12.31	353.30	7793.61	-43.67	-43.67	-4.23	43.87	185.53	2.47
7831.00	13.37	355.76	7824.81	-36.59	-36.59	-4.90	36.92	187.62	3.73
7862.00	14.51	356.20	7854.90	-29.14	-29.14	-5.42	29.64	190.54	3.69
7894.00	15.48	357.95	7885.81	-20.87	-20.87	-5.84	21.67	195.63	3.34
7926.00	16.44	357.69	7916.57	-12.08	-12.08	-6.17	13.57	207.07	3.01
7958.00	17.67	357.16	7947.17	-2.71	-2.71	-6.60	7.13	247.70	3.87
7990.00	18.82	356.46	7977.56	7.30	7.30	-7.16	10.22	315.56	3.66
8021.00	19.96	357.95	8006.80	17.58	17.58	-7.65	19.17	336.47	4.01
8053.00	20.40	.15	8036.83	28.61	28.61	-7.84	29.66	344.69	2.74
8116.00	21.10	.50	8095.75	50.93	50.93	-7.71	51.51	351.39	1.13
8180.00	21.63	.06	8155.35	74.25	74.25	-7.59	74.63	354.16	.87
8243.00	21.28	358.83	8213.98	97.29	97.29	-7.82	97.60	355.41	.90
8307.00	20.66	358.83	8273.75	120.19	120.19	-8.28	120.47	356.06	.97
8402.00	20.22	358.66	8362.76	153.36	153.36	-9.01	153.62	356.64	.47
8497.00	19.79	359.89	8452.03	185.85	185.85	-9.42	186.09	357.10	.63
8560.00	19.70	359.80	8511.33	207.13	207.13	-9.48	207.35	357.38	.15
8623.00	19.96	.06	8570.59	228.51	228.51	-9.51	228.70	357.62	.44
8687.00	19.87	1.38	8630.77	250.30	250.30	-9.23	250.47	357.89	.72
8750.00	18.91	2.00	8690.19	271.21	271.21	-8.62	271.35	358.18	1.56
8814.00	17.50	4.46	8750.99	291.17	291.17	-7.51	291.26	358.52	2.51
8877.00	14.51	7.01	8811.54	308.45	308.45	-5.81	308.50	358.92	4.87
8940.00	13.10	4.02	8872.72	323.41	323.41	-4.35	323.43	359.23	2.51

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
Distance FT	Direction Deg								
9004.00	15.30	5.51	8934.76	339.05	339.05	-3.03	339.06	359.49	3.48
End of Pathfinder Survey									
9067.00	19.80	5.95	8994.81	357.94	357.94	-1.12	357.94	359.82	7.15
Begin DDC MWD Survey									
9102.00	21.90	3.20	9027.52	370.36	370.36	-.14	370.36	359.98	6.62
9133.00	22.42	2.17	9056.23	382.04	382.04	.40	382.04	.06	2.09
9165.00	21.90	1.12	9085.86	394.10	394.10	.75	394.10	.11	2.04
9194.00	21.28	.77	9112.83	404.77	404.77	.93	404.77	.13	2.18
9226.00	21.28	2.17	9142.65	416.38	416.38	1.23	416.38	.17	1.59
9260.00	20.66	1.47	9174.40	428.54	428.54	1.61	428.55	.22	1.97
9292.00	19.96	2.52	9204.41	439.64	439.64	2.00	439.65	.26	2.47
9324.00	20.58	2.88	9234.43	450.72	450.72	2.52	450.72	.32	1.98
9355.00	21.02	2.88	9263.40	461.71	461.71	3.07	461.72	.38	1.42
9387.00	20.93	3.93	9293.28	473.14	473.14	3.75	473.16	.45	1.21
9419.00	21.81	4.63	9323.08	484.77	484.77	4.63	484.79	.55	2.86
9451.00	22.51	4.63	9352.72	496.80	496.80	5.60	496.83	.65	2.19
9482.00	22.69	3.93	9381.34	508.68	508.68	6.49	508.72	.73	1.04
9514.00	21.98	3.58	9410.94	520.82	520.82	7.29	520.87	.80	2.26
9545.00	21.54	3.23	9439.73	532.29	532.29	7.97	532.35	.86	1.48
9610.00	20.49	3.93	9500.41	555.55	555.55	9.42	555.63	.97	1.66
9641.00	20.22	3.23	9529.47	566.31	566.31	10.10	566.40	1.02	1.17
9705.00	18.91	1.82	9589.77	587.72	587.72	11.05	587.83	1.08	2.18
9768.00	18.64	357.60	9649.42	607.99	607.99	10.95	608.09	1.03	2.20
9807.00	19.30	356.50	9686.31	620.65	620.65	10.30	620.73	.95	1.92
9869.00	17.70	353.00	9745.10	640.23	640.23	8.52	640.29	.76	3.14
9901.00	17.00	351.30	9775.65	649.68	649.68	7.22	649.72	.64	2.70
9996.00	16.30	354.40	9866.66	676.68	676.68	3.82	676.69	.32	1.19
10054.00	17.70	.08	9922.13	693.60	693.60	3.04	693.61	.25	3.74
10091.00	17.27	358.75	9957.42	704.71	704.71	2.93	704.72	.24	1.59
10123.00	16.80	1.50	9988.02	714.09	714.09	2.94	714.09	.24	2.91
10182.00	16.90	359.40	10044.49	731.19	731.19	3.08	731.19	.24	1.05
10218.00	15.70	.01	10079.04	741.29	741.29	3.02	741.30	.23	3.37
10249.00	15.70	.40	10108.88	749.68	749.68	3.05	749.68	.23	.34
10281.00	16.60	359.00	10139.62	758.58	758.58	3.00	758.58	.23	3.06
10345.00	16.50	358.00	10200.97	776.80	776.80	2.53	776.81	.19	.47
10408.00	16.70	356.90	10261.34	794.78	794.78	1.72	794.78	.12	.59
10467.00	16.20	356.50	10317.93	811.46	811.46	.76	811.46	.05	.87
10498.00	15.60	357.60	10347.74	819.94	819.94	.32	819.94	.02	2.17
10568.00	14.90	358.30	10415.28	838.34	838.34	-.34	838.34	359.98	1.03
10603.00	14.60	359.40	10449.12	847.25	847.25	-.52	847.25	359.97	1.17
10662.00	13.70	.10	10506.33	861.67	861.67	-.58	861.67	359.96	1.55
10694.00	13.63	.80	10537.43	869.23	869.23	-.52	869.23	359.97	.56
10759.00	14.50	1.10	10600.48	885.03	885.03	-.26	885.03	359.98	1.34
10791.00	14.50	2.20	10631.46	893.04	893.04	-.03	893.04	360.00	.86

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
10856.00	14.10	3.23	10694.44	909.07	909.07	.73	909.07	.05	.73
End of DDC Survey									
10918.00	13.70	4.30	10754.63	923.93	923.93	1.71	923.93	.11	.77
Begin Single-Shot Survey									
11109.00	11.25	5.60	10941.10	965.04	965.04	5.22	965.05	.31	1.29
11300.00	9.02	7.25	11129.11	998.44	998.44	8.93	998.48	.51	1.18
11495.00	6.50	8.90	11322.31	1024.51	1024.51	12.57	1024.58	.70	1.30
11690.00	4.37	5.25	11516.42	1042.81	1042.81	14.95	1042.92	.82	1.11
11881.00	3.97	2.21	11706.92	1056.67	1056.67	15.87	1056.78	.86	.24
Last Single-Shot Survey									
12072.00	3.25	5.25	11897.54	1068.66	1068.66	16.62	1068.79	.89	.39
Projection									
12180.00	2.84	6.97	12005.39	1074.37	1074.37	17.23	1074.51	.92	.39

Company: Marbob Energy
Lease/Well: Hot Seat Fed. Com. #1
Location: Eddy County
State/Country: New Mexico



VERTICAL SECTION (Ft) @ .00°