Form 3160-4
(August 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
NOV - 2006
OCD - ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

5. Lease Serial No. **NMLC209548A**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. **Tea Federal #1-H**

9. AFI Well No. **30-015-35056**

10. Field and Pool, or Exploratory **Cedar Lake; Yeso**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 18-T17S-R31E**

12. County or Parish **Eddy** 13. State **NM**

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 **430 FNL 1390 FWL, Unit C**

At top prod. interval reported below

At total depth **361 FNL 1672 FEL, Unit B**

14. Date Spudded **10/04/2006**

15. Date T.D. Reached **10/18/2006**

16. Date Completed **11/04/2006** ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **3736' GL**

18. Total Depth: MD **6805'** TVD **4822'**

19. Plug Back T.D.: MD **6767'** TVD **4822'**

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Gamma Ray

22. 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"	48#	0	404'		450 sx		0	None
11"	8 5/8"	24#	0	1373'		500 sx		0	None
7 7/8"	5 1/2"	17#	0	6808'		1000 sx		0	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 7/8"	4324'							

25. Producing Intervals

Formation	Top	Bottom
A) Yeso	4950'	6750'
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
4950' - 6750'		34	

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

Depth Interval	Amount and Type of Material
4950' - 6750'	Acdz w/ 5500 gal NE Fe 15% HCl

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
11/07/2006	11/08/2006	24	→	264	0	0			Pumping

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)*

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
				Yates	**1476'**
				Queen	**2380'**
				San Andres	**3110'**
				Glorieta	**4630'**

32. Additional remarks (include plugging procedure):

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

- [x] Electrical/Mechanical Logs (1 full set req'd.)
- [ ] Geologic Report
- [ ] DST Report
- [x] Directional Survey
- [ ] Sundry Notice for plugging and cement verification
- [ ] Core Analysis
- [x] Other: Deviation Survey, Gyro Survey

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 Diana J. Briggs Date **11/16/2006**

Title 18 U.S.C Section 1001 and Title 43 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.

OPERATOR Marbob Energy
WELL/LEASE Tea Federal #1-H
COUNTY Eddy Co., N.M.

S

507-0114

STATE OF NEW MEXICO
DEVIATION REPORT

201	0.25
696	0.25
978	0.75
1,325	0.25
1,825	0.75
2,302	0.75
2,781	0.50
3,286	0.50
3,767	0.50
4,350	0.50

OCT 27 2006

NOV 2006
RECEIVED
OCD - ARTESIA

BY: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on October 25, 2006, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges

Notary Public for Midland County, Texas
My Commission Expires: 4/08/07

JONI D. HODGES
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Expires 4-8-2007

30-015-35056

S

SLEDGE EDGE DRILLING CONTROLS

LEPER GRIP SURVEY

Directional Survey Report

for

MAPBOS
MAFBUE

Well Number	:	TEA FEDERAL 1-H
Well Location	:	EDDY CO N.M.
Job Number	:	SZKI06423
Location Latitude	:	32.24.
Survey Date	:	12-OCT-2006
S.D.C. Personnel	:	ANGEL GUERRA
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	-0.23 Degrees
Survey Depth Zero	:	RKB
Proposed Direction	:	87.95
Calculation Method	:	Minimum Curvature

Remarks : The QUIKRUN Survey will be called definitive

[illegible]

Dutron Survey
for
[illegible]

Page 1

[illegible] Date [illegible]

Depth (Feet)	Drift (Feet)	Vert. (Feet)	Inc. Deg.	Azimuth Deg.	Proposed Latitude (Feet)	Departure (Feet)	Closure (100)
0.00	0.00	0.00	0.00	[illegible]	0.00	0.00	[illegible]
100.00	100.00	[illegible]	0.05	245.73	[illegible]	[illegible]	[illegible]
200.00	200.00	[illegible]	0.06	[illegible]	[illegible]	[illegible]	[illegible]
300.00	300.00	0.16	[illegible]	[illegible]	[illegible]	[illegible]	0.17
400.00	400.00	0.40	0.17	[illegible]	0.41	0.38	0.13
500.00	500.00	[illegible]	0.19	[illegible]	0.42	[illegible]	0.31
600.00	600.00	0.[illegible]4	0.20	[illegible]	0.23	0.03	0.03
700.00	700.00	[illegible]	0.34	[illegible]	[illegible]	[illegible]	0.40
800.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.16
900.00	[illegible]	0.00	0.30	[illegible]	[illegible]	0.10	0.1[illegible]
1000.00	999.99	0.28	0.56	157.39	[illegible]	[illegible]	0.12
1100.00	1099.96	0.63	0.38	143.33	[illegible]	0.79	[illegible]
1200.00	1199.98	1.17	0.29	27.30	[illegible]	1.51	0.40
1300.00	1299.97	1.23	[illegible]	15.75	[illegible]	[illegible]	0.21
1400.00	1399.97	1.91	0.21	16.28	[illegible]	2.03	0.1[illegible]
1500.00	1499.97	2.02	0.21	15.5[illegible]	[illegible]	2.13	[illegible]
1600.00	1599.97	2.09	[illegible]	0.90	[illegible]	2.10	0.05
1700.00	1699.97	1.97	0.40	327.75	[illegible]	2.0[illegible]	0.17
1800.00	1799.97	1.70	0.19	305.1[illegible]	[illegible]	1.77	[illegible]
1900.00	1899.97	1.41	0.20	268.11	[illegible]	1.4[illegible]	[illegible]
2000.00	1999.97	1.19	0.09	314.96	[illegible]	[illegible]	0.12
2100.00	2099.97	0.94	0.23	261.99	[illegible]	[illegible]	0.1[illegible]
2200.00	2199.97	0.7[illegible]	0.06	222.80	[illegible]	0.57	0.21
2300.00	2299.97	[illegible]	0.12	279.97	[illegible]	[illegible]	0.1[illegible]
2400.00	2399.97	[illegible]	0.2[illegible]	247.36	[illegible]	0.36	0.13
2500.00	2499.97	[illegible]	0.33	240.15	[illegible]	[illegible]	0.07
2600.00	2599.96	[illegible]	0.36	232.94	[illegible]	[illegible]	[illegible]
2700.00	2699.96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2800.00	2797.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2900.00	[illegible]	[illegible]	[illegible]	219.84	[illegible]	[illegible]	0.02
3000.00	2995.97	[illegible]	0.42	199.32	[illegible]	[illegible]	[illegible]
3100.00	3095.96	[illegible]	[illegible]	189.75	[illegible]	[illegible]	[illegible]
3200.00	3197.[illegible]	[illegible]	0.48	192.72	[illegible]	[illegible]	0.12
3300.00	3299.95	[illegible]	0.41	171.60	[illegible]	[illegible]	0.01
3400.00	3399.94	[illegible]	[illegible]	175.56	[illegible]	[illegible]	0.03
3500.00	3499.94	[illegible]	[illegible]	204.12	[illegible]	[illegible]	0.14
3600.00	3599.[illegible]	[illegible]	0.21	212.73	[illegible]	[illegible]	[illegible]
3700.00	3[illegible]	[illegible]	0.71	221.17	[illegible]	[illegible]	0.12
3800.00	3799.92	[illegible]	0.31	214.27	[illegible]	[illegible]	0.18
3900.00	3899.[illegible]	[illegible]	[illegible]	205.52	[illegible]	[illegible]	[illegible]

[illegible] DRILLING CONTROLS

Drilling Survey
for
[illegible]

Page [illegible]

Well No. [illegible] Field [illegible]
Rig No. [illegible] Operator [illegible] Proposed [illegible]

Depth (Feet)	Inc. Deg. (Feet)	Azim. (Feet)	Vert. Sect. (Feet)	Vertical Depth	Latitude (Feet)	Departure (Feet)	Dogleg Severity
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-10.31	5.16	1.31
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-0.60	[illegible]	0.13
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-11.98	-7.71	0.04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-10.86	-7.44	16.37

The Horizontal displacement is [illegible] Feet at
Measured Depth [illegible] ft [illegible] in a direction of [illegible] Degrees.

Pathfinder Energy
Survey Report

Company: Marbob Energy		**Date:** 10/20/2006 **Time:** 11:27:04	**Page:** 1
Field: Tea Fed #1-H		**Co-ordinate(NE) Reference:** Well: Tea Fed #1-H, Grid North	
Site: Tea Fed #1-H		**Vertical (TVD) Reference:** SITE 3736.0	
Well: Tea Fed #1-H		**Section (VS) Reference:** Well (0.00N,0.00E,87.95Azi)	
Wellpath: Original Hole		**Survey Calculation Method:** Minimum Curvature	**Db:** Sybase

Field: Tea Fed #1-H
S-18, T-17S, R31E
Eddy County, NM

Map System: US State Plane Coordinate System 1927 — **Map Zone:** New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866) — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: Tea Fed #1-H

Site Position: **Northing:** 669721.50 ft **Latitude:** 32 50 25.583 N
From: Map **Easting:** 629478.60 ft **Longitude:** 103 54 42.352 W
Position Uncertainty: 0.00 ft **North Reference:** Grid
Ground Level: 3736.00 ft **Grid Convergence:** 0.23 deg

Well: Tea Fed #1-H **Slot Name:**

Well Position: +N/-S 0.00 ft **Northing:** 669721.50 ft **Latitude:** 32 50 25.583 N
+E/-W 0.00 ft **Easting:** 629478.60 ft **Longitude:** 103 54 42.352 W
Position Uncertainty: 0.00 ft

Wellpath: Original Hole **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: SITE **Height** 3736.00 ft **Above System Datum:** Mean Sea Level
Magnetic Data: 10/12/2006 **Declination:** 8.34 deg
Field Strength: 49463 nT **Mag Dip Angle:** 60.82 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	87.95

Survey: Pathfinder MWD Surveys **Start Date:** 10/16/2006
Company: Pathfinder Energy **Engineer:** Midwellplan
Tool: **Tied-to:** From: Definitive Path

Survey: Pathfinder MWD Surveys

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
4303.00	0.35	252.34	4302.92	-10.88	-7.32	-7.71	0.00	0.00	0.00	
4340.00	0.18	75.54	4339.92	-10.90	-7.38	-7.76	1.43	-0.46	-477.84	
4372.00	3.96	83.89	4371.90	-10.77	-6.23	-6.61	11.82	11.81	26.09	
4404.00	9.32	81.51	4403.67	-10.27	-2.56	-2.93	16.77	16.75	-7.44	
4436.00	15.12	80.81	4434.93	-9.22	4.13	3.79	18.13	18.12	-2.19	
4467.00	20.75	81.60	4464.41	-7.77	13.56	13.27	18.18	18.16	2.55	
4499.00	26.47	83.71	4493.72	-6.16	26.26	26.03	18.07	17.87	6.59	
4531.00	32.10	85.38	4521.62	-4.69	41.84	41.65	17.78	17.59	5.22	
4563.00	37.90	86.35	4547.83	-3.38	60.14	59.98	18.21	18.12	3.03	
4595.00	43.26	87.58	4572.12	-2.29	80.92	80.78	16.93	16.75	3.84	
4627.00	45.73	87.76	4594.95	-1.38	103.33	103.21	7.73	7.72	0.56	
4659.00	47.48	87.23	4616.93	-0.36	126.55	126.46	5.60	5.47	-1.66	
4690.00	49.95	87.32	4637.38	0.75	149.82	149.75	7.97	7.97	0.29	
4722.00	53.02	87.93	4657.31	1.78	174.83	174.79	9.71	9.59	1.91	
4754.00	55.66	88.99	4675.96	2.48	200.82	200.78	8.68	8.25	3.31	
4786.00	57.07	89.86	4693.68	2.74	227.46	227.41	4.95	4.41	2.72	
4818.00	58.21	90.22	4710.81	2.72	254.49	254.43	3.69	3.56	1.12	
4850.00	60.06	90.13	4727.23	2.64	281.96	281.87	5.79	5.78	-0.28	
4881.00	62.17	89.51	4742.20	2.73	309.10	309.00	7.03	6.81	-2.00	
4913.00	63.84	89.07	4756.73	3.08	337.61	337.50	5.36	5.22	-1.37	
4945.00	66.39	88.19	4770.19	3.78	366.63	366.53	8.35	7.97	-2.75	
4977.00	70.35	87.84	4781.98	4.81	396.35	396.27	12.42	12.37	-1.09	
5009.00	73.42	88.46	4791.93	5.79	426.75	426.68	9.77	9.59	1.94	
5040.00	76.50	88.90	4799.98	6.48	456.67	456.61	10.03	9.94	1.42	

Pathfinder Energy
Survey Report

Company: Marbob Energy		**Date:** 10/20/2006 **Time:** 11:27:04	**Page:** 2
Field: Tea Fed #1-H		**Co-ordinate(NE) Reference:** Well: Tea Fed #1-H, Grid North	
Site: Tea Fed #1-H		**Vertical (TVD) Reference:** SITE 3736.0	
Well: Tea Fed #1-H		**Section (VS) Reference:** Well (0.00N,0.00E,87.95Azi)	
Wellpath: Original Hole		**Survey Calculation Method:** Minimum Curvature	**Db:** Sybase

Survey: Pathfinder MWD Surveys

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
5072.00	78.00	88.19	4807.04	7.27	487.87	487.82	5.16	4.69	-2.22	
5104.00	80.90	88.28	4812.90	8.24	519.31	519.27	9.07	9.06	0.28	
5136.00	83.19	88.46	4817.33	9.14	550.99	550.96	7.18	7.16	0.56	
5168.00	85.47	89.51	4820.49	9.70	582.83	582.80	7.84	7.12	3.28	
5200.00	87.76	89.86	4822.38	9.88	614.77	614.73	7.24	7.16	1.09	
5231.00	90.13	89.95	4822.95	9.93	645.76	645.70	7.65	7.65	0.29	
5263.00	90.66	90.83	4822.73	9.71	677.76	677.67	3.21	1.66	2.75	
5295.00	90.40	90.39	4822.43	9.37	709.75	709.63	1.60	-0.81	-1.37	
5327.00	89.69	89.16	4822.41	9.50	741.75	741.62	4.44	-2.22	-3.84	
5359.00	89.16	88.63	4822.73	10.12	773.75	773.61	2.34	-1.66	-1.66	
5391.00	89.16	88.99	4823.20	10.78	805.74	805.60	1.12	0.00	1.12	
5422.00	88.99	88.72	4823.70	11.40	836.72	836.60	1.03	-0.55	-0.87	
5454.00	88.90	88.99	4824.28	12.04	868.71	868.59	0.89	-0.28	0.84	
5486.00	88.99	88.19	4824.87	12.83	900.70	900.58	2.52	0.28	-2.50	
5518.00	88.90	88.55	4825.46	13.74	932.68	932.57	1.16	-0.28	1.12	
5550.00	89.16	88.55	4826.01	14.55	964.66	964.57	0.81	0.81	0.00	
5581.00	89.60	88.19	4826.34	15.43	995.65	995.56	1.83	1.42	-1.16	
5613.00	89.87	88.29	4826.49	16.41	1027.63	1027.56	0.90	0.84	0.31	
5645.00	89.60	87.93	4826.64	17.47	1059.62	1059.56	1.41	-0.84	-1.12	
5677.00	89.77	87.67	4826.81	18.69	1091.59	1091.56	0.97	0.53	-0.81	
5709.00	89.25	87.84	4827.09	19.95	1123.57	1123.56	1.71	-1.62	0.53	
5740.00	89.25	88.11	4827.49	21.04	1154.54	1154.56	0.87	0.00	0.87	
5772.00	89.34	88.37	4827.89	22.03	1186.53	1186.55	0.86	0.28	0.81	
5804.00	89.34	88.63	4828.25	22.86	1218.51	1218.55	0.81	0.00	0.81	
5836.00	89.25	87.84	4828.65	23.85	1250.50	1250.55	2.48	-0.28	-2.47	
5868.00	89.08	88.28	4829.11	24.93	1282.47	1282.54	1.47	-0.53	1.37	
5899.00	89.08	87.08	4829.61	26.19	1313.44	1313.54	3.87	0.00	-3.87	
5931.00	88.81	87.93	4830.20	27.58	1345.41	1345.53	2.79	-0.84	2.66	
5963.00	88.81	87.58	4830.87	28.83	1377.38	1377.52	1.09	0.00	-1.09	
5995.00	88.81	88.11	4831.53	30.04	1409.35	1409.52	1.66	0.00	1.66	
6026.00	89.87	88.28	4831.89	31.01	1440.33	1440.52	3.46	3.42	0.55	
6058.00	90.66	88.02	4831.74	32.05	1472.31	1472.51	2.60	2.47	-0.81	
6090.00	90.57	88.37	4831.40	33.05	1504.29	1504.51	1.13	-0.28	1.09	
6122.00	90.48	87.93	4831.10	34.09	1536.28	1536.51	1.40	-0.28	-1.37	
6154.00	91.19	87.67	4830.64	35.31	1568.25	1568.51	2.36	2.22	-0.81	
6186.00	91.01	87.32	4830.02	36.71	1600.21	1600.50	1.23	-0.56	-1.09	
6217.00	90.92	86.88	4829.50	38.28	1631.17	1631.49	1.45	-0.29	-1.42	
6249.00	90.84	87.23	4829.01	39.92	1663.12	1663.48	1.12	-0.25	1.09	
6281.00	91.01	87.32	4828.49	41.45	1695.08	1695.48	0.60	0.53	0.28	
6313.00	90.92	87.58	4827.95	42.87	1727.05	1727.47	0.86	-0.28	0.81	
6344.00	90.66	86.96	4827.53	44.35	1758.01	1758.47	2.17	-0.84	-2.00	
6376.00	91.19	87.58	4827.01	45.87	1789.97	1790.46	2.55	1.66	1.94	
6408.00	91.01	87.40	4826.39	47.27	1821.93	1822.45	0.80	-0.56	-0.56	
6440.00	91.19	87.49	4825.78	48.70	1853.89	1854.45	0.63	0.56	0.28	
6472.00	91.10	87.05	4825.14	50.22	1885.85	1886.44	1.40	-0.28	-1.37	
6504.00	90.75	87.05	4824.62	51.87	1917.80	1918.43	1.09	-1.09	0.00	
6535.00	90.31	86.88	4824.34	53.51	1948.76	1949.42	1.52	-1.42	-0.55	
6567.00	90.40	87.05	4824.14	55.20	1980.71	1981.42	0.60	0.28	0.53	
6599.00	90.13	86.88	4823.99	56.90	2012.67	2013.41	1.00	-0.84	-0.53	
6631.00	90.22	86.70	4823.89	58.69	2044.62	2045.41	0.63	0.28	-0.56	
6662.00	90.40	86.79	4823.73	60.45	2075.57	2076.40	0.65	0.58	0.29	
6694.00	90.92	86.61	4823.36	62.29	2107.51	2108.39	1.72	1.62	-0.56	
6725.00	90.84	86.88	4822.88	64.05	2138.46	2139.38	0.91	-0.26	0.87	

Pathfinder Energy
Survey Report

Company: Marbob Energy		**Date:** 10/20/2006 **Time:** 11:27:04	**Page:** 3
Field: Tea Fed #1-H		**Co-ordinate(NE) Reference:** Well: Tea Fed #1-H, Grid North	
Site: Tea Fed #1-H		**Vertical (TVD) Reference:** SITE 3736.0	
Well: Tea Fed #1-H		**Section (VS) Reference:** Well (0.00N,0.00E,87.95Azi)	
Wellpath: Original Hole		**Survey Calculation Method:** Minimum Curvature	**Db:** Sybase

Survey: Pathfinder MWD Surveys

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
6758.00	90.66	86.35	4822.45	66.00	2171.40	2172.37	1.70	-0.55	-1.61	
6805.00	90.66	86.35	4821.91	68.99	2218.30	2219.35	0.00	0.00	0.00	

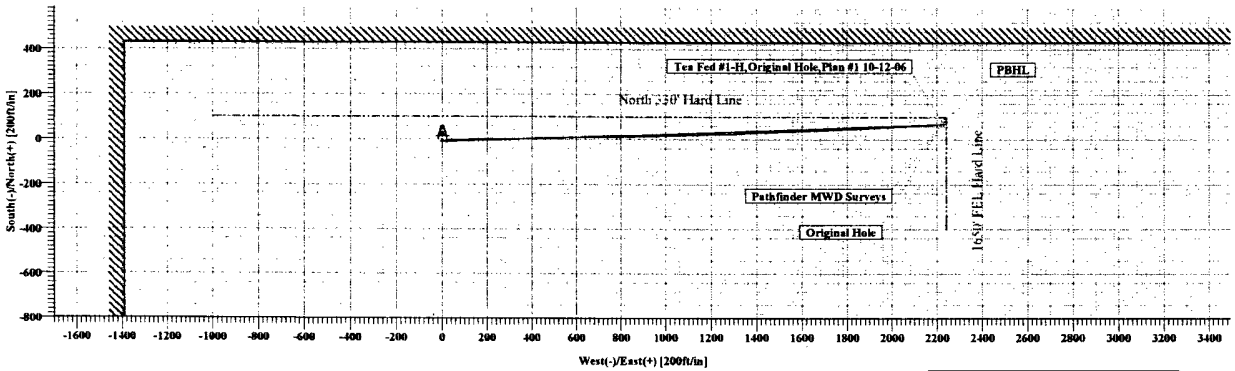
Field: Tea Fed #1-H
Site: Tea Fed #1-H
Well: Tea Fed #1-H
Wellpath: Original Hole
Survey: Pathfinder MWD Surveys

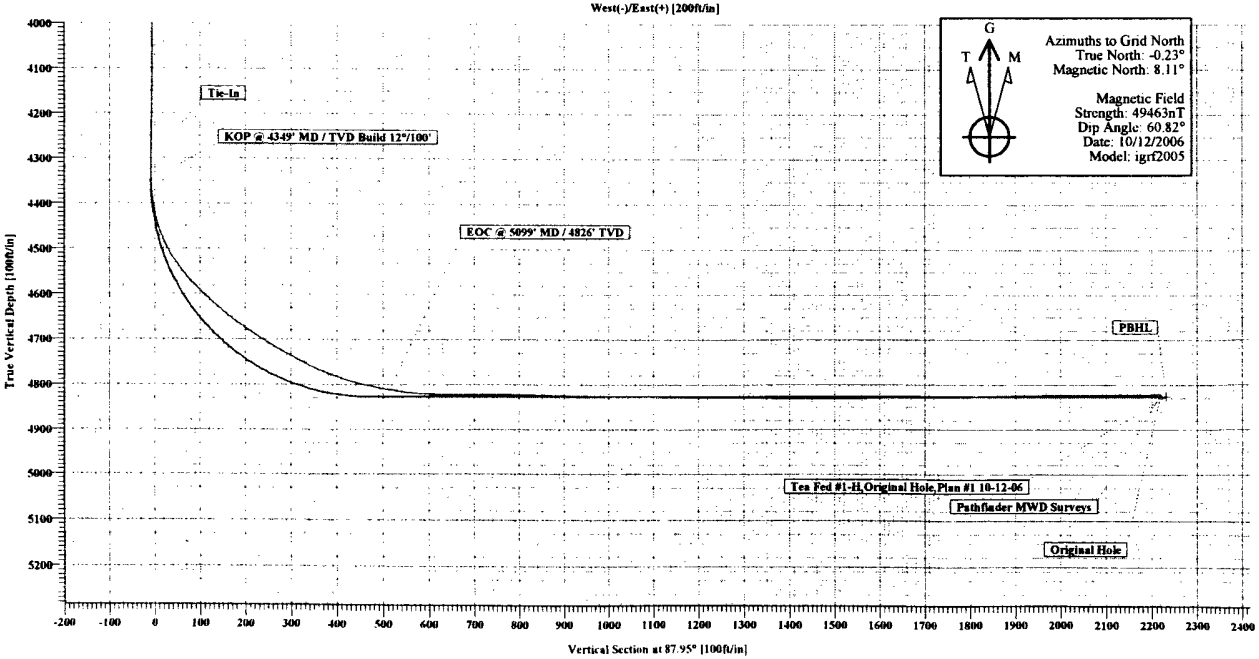
marbob energy corporation

PATHFINDER

Survey. Pathfinder MWD Surveys (Tea Fed #1-H/Original Hole)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
73	6599.00	90.13	86.88	4823.99	56.90	2012.67	1.00	-147.80	2013.41
74	6631.00	90.22	86.70	4823.89	58.69	2044.62	0.63	-63.43	2045.41
75	6662.00	90.40	86.79	4823.73	60.45	2075.57	0.65	26.56	2076.40
76	6694.00	90.92	86.61	4823.36	62.29	2107.51	1.72	-19.09	2108.39
77	6725.00	90.84	86.88	4822.88	64.05	2138.46	0.91	106.50	2139.38
78	6758.00	90.66	86.35	4822.45	66.00	2171.40	1.70	-108.76	2172.37
79	6805.00	90.66	86.35	4821.91	68.99	2218.30	0.00	0.00	2219.35





SITE DETAILS

Tea Fed #1-H

Site Centre Northing: 669721.50
Easting: 629478.60

Ground Level: 3736.00
Positional Uncertainty: 0.00
Convergence: 0.23

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	4826.00	80.00	2230.00	Point

WELLPATH DETAILS

Original Hole

Rig:
Ref. Datum: SITE 3736.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
87.95°	0.00	0.00	0.00

ANNOTATIONS

No	TVD	MD	Annotation
1	4348.42	4348.50	KOP @ 4349' MD / TVD Build 12°/100'
2	4812.01	5098.56	EOC @ 5099' MD / 4826' TVD
3	4302.92	4303.00	Tie-In