

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires: July 31, 2010

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
Yates Petroleum Corporation

3. Address
105 S. 4th Str., Artesia, NM 88210

3a. Phone No. (include area code)
505-748-1471

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

At Surface 1340'FNL & 1100'FWL (Unit E, SWNW)

At top prod. Interval reported below

710'FNL & 2063'FWL (Unit C, NENW)

At total depth 710'FNL & 2063'FWL (Unit C, NENW)

14. Date Spudded
RH 7/2/07 RT 7/22/07

15. Date T.D. Reached
8/28/07

16. Date Completed 10/18/07
☐ D & A ☒ Ready to Prod

17. Elevations (DF, RKB, RT, GL)*
4552'GL 4569'KB

18. Total Depth: MD 8950'
TVD NA

19. Plug Back T.D.: MD 8905'
TVD NA

20. Depth Bridge Plug Set: MD NA
TVD NA

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

CNL, Hi-Res Laterolog Array, CBL

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)	State Cementer Depth	No. of Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20"	Cond.	Surface	59'		Redi-mix		Surface	
17-1/2"	13-3/8"	48#	Surface	422'		575 sx		Surface	
12-1/4"	9-5/8"	36#	Surface	2089'		1330 sx		Surface	
8-3/4"	5-1/2"	17#	Surface	8950'		1900 sx		3480'CBL	

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"	8160'	8160'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	8488'	8506'	8488'-8492'		24	Producing
B)			8496'-8506'		60	Producing
C)						
D)						

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

Depth Interval	Amount and Type of Material
8488'-8506'	Acidize w/1000g 7-1/2% Morrow acid

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
10/19/07	10/19/07	24	→	0	1548	30	NA	NA	Flowing
Choke Size	Tbg Press Flwg	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
16/64"	1240 psi	600 psi	→	0	1548	30	NA		

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	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD
Producing
OCT 31 2007
JERRY FANT
PETROLEUM GEOLOGIST

*(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.	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	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	Description, Contents, etc	Name	Top
					Meas Depth
				San Andres	608'
				Glorieta	2069'
				Upper Yeso	2104'
				Tubb	2846'
				Lower Yeso	2934'
				Abo	3634'
				Wolfcamp	5002'
				Cisco	6250'
				Strawn	7522'
				Atoka	8024'
				Morrow	8398'
				Chester	8800'

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 Deviation Survey

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

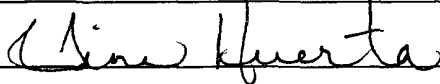
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

October 25, 2007

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.

(Continued on page 3)

(Form 3160-4, page2)



DIRECTIONAL SURVEY REPORT

YATES PETROLEUM
BOX CANYON UNIT #6
EDDY COUNTY, NEW MEXICO

PREPARED BY: CODY MEBANE

Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

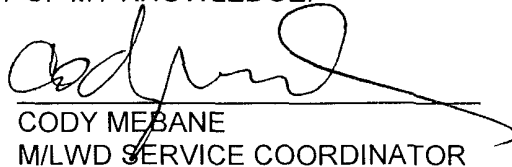
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) JAY FULTON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 8/8/07 TO 8/22/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

YATES PETROLEUM
BOX CANYON UNIT #6
EDDY COUNTY, NM
RIG: PATRIOT 1

9. SURVEY CERTIFIED FROM: 2207 TO 6750 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE
DISPLACED AT 1150.54 FEET ON A BEARING OF 56.81 DEGREES FROM THE
CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 6802 FEET,
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


CODY MEBANE
M/LWD SERVICE COORDINATOR

PATHFINDER
ENERGY SERVICES
DIRECTIONAL SURVEY INFORMATION

APPROVED AUG 24 2007

FAXED AUG 3 2 2007
FAXED AUG 2 3 2007

Prepared By: CODY MEBANE

Name of Client: YATES PETROLEUM

Attention: _____

☒ Directional Only Job OR ☐ Logging Job

Name(s) of Persons Performing Surveys:

A) JAY FULTON D) _____
B) _____ E) _____
C) _____ F) _____

Positions of Said Persons: Surveyors / Field Engineers: Other _____

Date(s) Survey was Performed: From 8-Aug To 22-Aug

Type of Survey Performed: (Specify if other than MWD) _____

IDENTIFICATION OF WELL:

Client:	<u>YATES PETROLEUM</u>	Rig Name:	<u>PATRIOT 1</u>
Well No.:	<u>BOX CANYON UNIT # 6</u>	API No.:	<u>30-015-35480</u>
Location:	<u>EDDY COUNTY</u>	Job No.:	<u>101006620 WT-WT</u>
State:	<u>NEW MEXICO</u>		

TEXAS RAILROAD COMMISSION INFORMATION:

Field: _____

Abstract No.: _____
Well Plat Survey Co.: _____

Surveys Performed From 2207 Feet TO 6750 Feet

MMS / ASCII / LAS Diskette Filename: _____

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOW THE WELL TO BE DISPLACED AT 1150.54
FEET ON A BEARING OF 56.81 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT
A PROJECTED DEPTH OF 6802 FEET, ARE TRUE AND
CORRECT TO THE BEST OF MY KNOWLEDGE.

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 08/08/2007
Date Completed: 08/21/2007

Yates Petroleum
Box Canyon Unit #6
Eddy COUNTY, New Mexico
Rig:Patriot 1
PathFinder Office Supervisor: Francisco Sinisterra
PathFinder Field Engineers:Jay Fulton

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.28.2.3196 N LON:104.45.45.2700 W
GRID Reference:NAD83 new mexico east Transverse Mercator
Ref GRID Coord: X: 408956.4681 Y: 534004.8357
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.81° EAST TO GRID
Vertical Section Plane: 55.89
Survey Vert. Reference: 16.00' Rotary Table To Ground
Altitude:4552.00' Ground To MSL

Measured Depth	6802.00	(feet)
Inclination	1.06	(deg)
Azimuth	256.32	(deg)
True Vertical Depth	6481.83	(feet)
Vertical Section	1150.39	(feet)
Survey X cord	409919.36	(feet)
Survey Y cord	534634.59	(feet)
Survey Lat	32.46905263 N	(deg)
Survey Lon	104.75946108 W	(deg)
Rectangular Corr. N/S	629.75 N	(feet)
Rectangular Corr. E/W	962.89 E	(feet)
Closure Distance	1150.54	(feet)
Direction of Closure	56.81	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

Yates Petroleum
Box Canyon Unit #6
Eddy COUNTY, New Mexico
Rig:Patriot 1
PathFinder Office Supervisor: Francisco Sinisterra
PathFinder Field Engineers: Jay Fulton

Page 01/03
Tie-in Date: 08/08/2007
Date Completed: 08/21/2007

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.28.2.3196 N LON:104.45.45.2700 W
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Ref GRID Coord: X: 408956.4681 Y: 534004.8357
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.81° EAST TO GRID
Vertical Section Plane: 55.89
Survey Vert. Reference: 16.00' Rotary Table To Ground
Altitude:4552.00' Ground To MSL

Survey Calculations by PathCalc v1.96 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE-IN WITH GYRODATA DIRECTIONAL SURVEY.										
2169.00	0.69	296.01	2168.62	0.00	-11.69	19.05 N	27.02 W	33.06@	305.19	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
2207.00	0.44	30.56	2206.62	38.00	-11.67	19.28 N	27.15 W	33.30@	305.37	2.23
2302.00	3.43	71.78	2301.56	95.00	-8.61	20.48 N	24.27 W	31.75@	310.16	3.28
2398.00	5.45	78.55	2397.26	96.00	-1.64	22.28 N	17.07 W	28.07@	322.55	2.17
2493.00	8.27	75.30	2491.57	95.00	8.97	24.91 N	6.04 W	25.63@	346.38	3.00
2603.00	12.31	66.65	2599.79	110.00	27.96	31.57 N	12.39 E	33.91@	21.43	3.92
2620.00	12.57	67.36	2616.39	17.00	31.56	33.00 N	15.76 E	36.57@	25.53	1.77
2652.00	13.01	66.83	2647.60	32.00	38.50	35.76 N	22.29 E	42.13@	31.93	1.42
2684.00	13.54	66.04	2678.74	32.00	45.73	38.70 N	29.02 E	48.37@	36.87	1.75
2716.00	14.25	67.62	2709.80	32.00	53.27	41.72 N	36.09 E	55.16@	40.86	2.52
2747.00	15.12	67.09	2739.79	31.00	60.97	44.74 N	43.34 E	62.29@	44.09	2.84
2779.00	15.92	68.23	2770.62	32.00	69.36	48.00 N	51.26 E	70.22@	46.88	2.68
2811.00	16.62	67.53	2801.34	32.00	78.13	51.37 N	59.56 E	78.66@	49.22	2.27
2843.00	16.80	65.95	2831.99	32.00	87.16	55.01 N	68.02 E	87.47@	51.04	1.53
2873.00	17.24	65.42	2860.68	30.00	95.81	58.62 N	76.02 E	96.00@	52.36	1.56
2904.00	17.50	63.84	2890.26	31.00	104.96	62.59 N	84.38 E	105.06@	53.43	1.74
2967.00	19.08	61.29	2950.08	63.00	124.60	71.71 N	101.91 E	124.61@	54.87	2.81
3062.00	22.60	56.37	3038.86	95.00	158.32	89.29 N	130.74 E	158.32@	55.67	4.14
3093.00	23.20	56.28	3067.41	31.00	170.38	95.98 N	140.78 E	170.38@	55.72	1.94
3157.00	24.89	56.46	3125.86	64.00	196.46	110.42 N	162.49 E	196.46@	55.80	2.64
3189.00	25.85	56.46	3154.77	32.00	210.17	117.99 N	173.92 E	210.17@	55.85	3.00
3221.00	26.82	56.11	3183.45	32.00	224.36	125.87 N	185.73 E	224.36@	55.87	3.07

PathFinder Energy Services, Inc.

Survey Report

Yates Petroleum
Box Canyon Unit #6
Eddy COUNTY, New Mexico
RIG:Patriot 1

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
3252.00	27.70	55.84	3211.01	31.00	238.56	133.82 N	197.50 E	238.56@	55.88	2.87
3284.00	28.58	55.40	3239.22	32.00	253.65	142.34 N	209.95 E	253.65@	55.86	2.83
3316.00	29.46	55.58	3267.21	32.00	269.18	151.13 N	222.74 E	269.18@	55.84	2.76
3348.00	30.16	55.75	3294.97	32.00	285.08	160.11 N	235.88 E	285.08@	55.83	2.20
3380.00	31.13	56.02	3322.50	32.00	301.39	169.25 N	249.38 E	301.39@	55.84	3.06
3411.00	32.36	56.37	3348.87	31.00	317.70	178.33 N	262.94 E	317.70@	55.85	4.01
3442.00	33.41	56.63	3374.90	31.00	334.53	187.62 N	276.97 E	334.53@	55.89	3.42
3474.00	34.29	56.63	3401.47	32.00	352.36	197.42 N	291.86 E	352.36@	55.92	2.75
3506.00	35.00	56.63	3427.80	32.00	370.55	207.43 N	307.05 E	370.55@	55.96	2.22
3538.00	34.91	56.63	3454.03	32.00	388.88	217.51 N	322.36 E	388.88@	55.99	0.28
3571.00	34.03	55.84	3481.23	33.00	407.56	227.89 N	337.89 E	407.56@	56.00	2.99
3603.00	33.68	55.05	3507.81	32.00	425.38	238.00 N	352.57 E	425.38@	55.98	1.76
3635.00	33.00	54.87	3534.54	32.00	442.97	248.10 N	366.97 E	442.97@	55.94	2.15
3667.00	33.68	55.40	3561.27	32.00	460.55	258.15 N	381.40 E	460.55@	55.91	2.31
3699.00	34.82	55.67	3587.72	32.00	478.56	268.34 N	396.25 E	478.56@	55.89	3.59
3731.00	35.17	56.28	3613.94	32.00	496.91	278.61 N	411.46 E	496.91@	55.90	1.55
3762.00	35.70	56.46	3639.20	31.00	514.89	288.57 N	426.42 E	514.89@	55.91	1.74
3794.00	36.23	56.63	3665.10	32.00	533.68	298.93 N	442.10 E	533.68@	55.94	1.69
3826.00	36.93	56.37	3690.79	32.00	552.75	309.45 N	458.01 E	552.75@	55.96	2.24
3858.00	37.72	56.46	3716.24	32.00	572.15	320.19 N	474.17 E	572.15@	55.97	2.47
3985.00	38.43	56.19	3816.21	127.00	650.47	363.61 N	539.35 E	650.47@	56.01	0.57
4080.00	39.22	56.19	3890.22	95.00	710.02	396.75 N	588.83 E	710.03@	56.03	0.83
4176.00	38.60	54.87	3964.93	96.00	770.32	430.88 N	638.54 E	770.32@	55.99	1.08
4271.00	36.67	54.17	4040.15	95.00	828.31	464.54 N	685.78 E	828.31@	55.89	2.08
4366.00	33.94	54.17	4117.68	95.00	883.18	496.67 N	730.29 E	883.18@	55.78	2.87
4462.00	31.39	53.03	4198.49	96.00	934.95	527.40 N	772.00 E	934.96@	55.66	2.73
4557.00	29.37	52.85	4280.44	95.00	982.93	556.35 N	810.34 E	982.95@	55.53	2.13

PathFinder Energy Services, Inc.

Survey Report

Yates Petroleum
Box Canyon Unit #6
Eddy COUNTY, New Mexico
RIG:Patriot 1

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
4653.00	26.82	54.26	4365.12	96.00	1028.09	583.22 N	846.69 E	1028.12@	55.44	2.74
4748.00	24.45	55.84	4450.76	95.00	1069.18	606.79 N	880.36 E	1069.22@	55.42	2.60
4844.00	21.46	56.90	4539.15	96.00	1106.61	627.54 N	911.52 E	1106.65@	55.45	3.14
4939.00	18.55	56.46	4628.41	95.00	1139.11	645.38 N	938.68 E	1139.13@	55.49	3.07
5035.00	14.77	56.46	4720.36	96.00	1166.62	660.58 N	961.61 E	1166.65@	55.51	3.94
5129.00	10.73	57.07	4812.03	94.00	1187.36	671.97 N	978.95 E	1187.38@	55.53	4.30
5225.00	6.24	60.32	4906.95	96.00	1201.51	679.41 N	990.99 E	1201.52@	55.57	4.70
5320.00	2.64	65.42	5001.65	95.00	1208.81	682.88 N	997.47 E	1208.83@	55.60	3.81
5415.00	1.67	182.05	5096.61	95.00	1210.15	682.40 N	999.41 E	1210.16@	55.67	3.90
5511.00	3.25	206.13	5192.53	96.00	1206.97	678.56 N	998.16 E	1206.97@	55.79	1.93
5606.00	3.69	206.13	5287.35	95.00	1201.97	673.40 N	995.63 E	1201.98@	55.93	0.46
5701.00	3.52	205.26	5382.16	95.00	1196.81	668.02 N	993.04 E	1196.82@	56.07	0.19
5797.00	4.04	212.20	5477.95	96.00	1191.18	662.49 N	989.98 E	1191.20@	56.21	0.72
5892.00	4.22	209.83	5572.71	95.00	1184.97	656.63 N	986.46 E	1185.01@	56.35	0.26
5988.00	3.78	215.10	5668.47	96.00	1178.84	650.98 N	982.88 E	1178.91@	56.48	0.60
6083.00	3.43	217.56	5763.29	95.00	1173.22	646.16 N	979.35 E	1173.30@	56.58	0.40
6179.00	2.99	211.41	5859.14	96.00	1168.21	641.75 N	976.29 E	1168.32@	56.68	0.58
6273.00	2.20	212.38	5953.04	94.00	1164.33	638.13 N	974.05 E	1164.46@	56.77	0.84
6369.00	2.02	215.27	6048.97	96.00	1161.05	635.19 N	972.08 E	1161.21@	56.84	0.22
6464.00	1.76	230.13	6143.92	95.00	1158.04	632.89 N	970.00 E	1158.21@	56.88	0.58
6560.00	1.41	246.04	6239.89	96.00	1155.41	631.47 N	967.79 E	1155.58@	56.88	0.58
6655.00	1.32	248.50	6334.86	95.00	1153.19	630.59 N	965.70 E	1153.35@	56.86	0.11
6750.00	1.06	256.32	6429.84	95.00	1151.30	629.98 N	963.83 E	1151.45@	56.83	0.32
STRAIGHT LINE PROJECTION TO BIT @ 6802' MD.										
6802.00	1.06	256.32	6481.83	52.00	1150.39	629.75 N	962.89 E	1150.54@	56.81	0.00

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

YATES PETROLEUM
BOX CANYON UNIT # 6
EDDY Co., NM
Rig: PATRIOT # 1

Tue Jul 17 13:27:39 2007

Coordinates

Latitude: 32.467311 N (32 deg. 28 min. 2.3183 sec.)
Longitude: 104.762575 W (-104 deg. 45 min. 45.2685 sec.)
Elevation: 4552.00 feet.
Calculation Date: Jul/17/2007

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.3001 degrees
Total Magnetic Field: 0.49026 gauss
Magnetic Declination: 8.590128 degrees
Horizontal Intensity: 0.242903 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.590128 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 408956.6000 feet
Y: 534004.7000 feet
True to Grid: (convergence) 0.230428 degrees
Magnetic to Grid: 8.820556 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 8.820556 Degr.

FINDER

ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	YATES PETROLEUM		
LEASE / WELL No.:	BOX CANYON UNIT # 6		
WELL LOCATION:	EDDY COUNTY		
COUNTY / STATE / COUNTRY:	EDDY COUNTY	NEW MEXICO	USA
RIG:	PATRIOT 1		
API WELL No:	30-015-35480		
JOB No:	101006620 WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	PATHFINDER		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	LWD Calculated: 8.590128 deg	Agreed Upon:	
X = 408956.600000	Feet	Y = 534004.700000	Feet
SITE LATITUDE: 32.467311 N	SITE LONGITUDE: 104.762575 W		
GRID SYSTEM: TRUE ☐ UTM ☐ LAMBERT ☒	ZONE:		
PROPOSED DRIFT DIRECTION:	55.89		
KELLY BUSHING ELEVATION:	4572 FEET		
ALTITUDE: 4552	Feet	WATER DEPTH: 0	Feet

TIE-IN SURVEY

MEASURED DEPTH:	2169.0 FEET		
DRIFT ANGLE:	0.69		
DRIFT DIRECTION:	296.01		
TRUE VERTICAL DEPTH:	2168.62 FEET		
VERTICAL SECTION:			
RECTANGULAR COORDINATE (N / S) :	32.467290 deg N		
RECTANGULAR COORDINATE (E / W) :	104.762270 deg W		
CLOSURE DISTANCE / DIRECTION:	33.06 Feet	305.18 deg.	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	GYRODATA		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	2200 Feet	TOTAL DEPTH:
KICKOFF ANGLE:	0.69 deg.	MAX ANGLE:

PES Engineers:

Jay D Fulton

**Signature of both field engineers required if applicable

Directional Driller:

John Engle

DATE: 8-07-07

A Gyrodata Directional Survey

for

YATES PETROLEUM

Lease: Box Canyon Unit Well: No. 6, 4-1/2" Drillpipe
Location: Patriot #1, Eddy County, New Mexico

Job Number: MD0807G_271

Run Date: 8/10/2007 11:15:18 AM

Surveyor: Anthony Eaton; Kyle Sullivan

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.467290 deg. N Longitude: 104.762270 deg. W

Azimuth Correction:

Gyro: 0.23000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

Yates Petroleum

Lease: Box Canyon Unit Well: No. 6, 4-1/2" Drillpipe

Location: Patriot #1, Eddy County, New Mexico

Job Number: MD0807G_271

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet	
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0	0.0	0.00 N	0.00 E

0 TO 2169 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE									
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATRIOT #1 R.K.B.									

100.00	0.21	346.26	N 13 44 W	0.21	100.00	0.2	346.3	0.18 N	0.04 W
200.00	0.77	27.66	N 27 40 E	0.62	200.00	1.0	13.1	0.96 N	0.22 E
300.00	0.94	16.01	N 16 0 E	0.24	299.98	2.5	18.0	2.33 N	0.76 E
400.00	0.88	24.01	N 24 1 E	0.14	399.97	4.0	18.7	3.82 N	1.30 E
500.00	0.17	23.94	N 23 56 E	0.71	499.97	5.0	19.7	4.66 N	1.67 E
600.00	0.77	315.42	N 44 35 W	0.73	599.96	5.4	13.4	5.28 N	1.26 E
700.00	1.52	304.67	N 55 20 W	0.78	699.94	6.5	357.3	6.52 N	0.31 W
800.00	1.58	312.50	N 47 30 W	0.22	799.91	8.5	343.6	8.20 N	2.41 W
900.00	1.67	304.21	N 55 48 W	0.25	899.87	11.0	335.0	9.95 N	4.63 W
1000.00	1.55	301.88	N 58 7 W	0.14	999.83	13.4	328.7	11.49 N	6.99 W
1100.00	1.68	302.40	N 57 36 W	0.13	1099.79	16.0	324.2	12.99 N	9.38 W
1200.00	0.99	293.78	N 66 13 W	0.72	1199.76	18.1	321.1	14.12 N	11.40 W
1300.00	1.07	301.04	N 58 58 W	0.15	1299.74	19.8	319.0	14.95 N	12.99 W
1400.00	1.10	293.60	N 66 24 W	0.14	1399.73	21.6	317.2	15.81 N	14.67 W
1500.00	1.10	285.14	N 74 51 W	0.16	1499.71	23.3	315.0	16.45 N	16.47 W
1600.00	0.94	283.10	N 76 54 W	0.17	1599.69	24.8	312.9	16.88 N	18.20 W
1700.00	0.81	285.99	N 74 1 W	0.14	1699.68	26.2	311.3	17.26 N	19.68 W
1800.00	0.89	279.17	N 80 50 W	0.13	1799.67	27.5	309.8	17.58 N	21.12 W
1900.00	0.86	278.68	N 81 19 W	0.03	1899.66	28.8	308.2	17.82 N	22.63 W
2000.00	1.09	285.15	N 74 51 W	0.25	1999.64	30.3	306.8	18.18 N	24.28 W

A Gyrodata Directional Survey

Yates Petroleum

Lease: Box Canyon Unit Well: No. 6, 4-1/2" Drillpipe

Location: Patriot #1, Eddy County, New Mexico

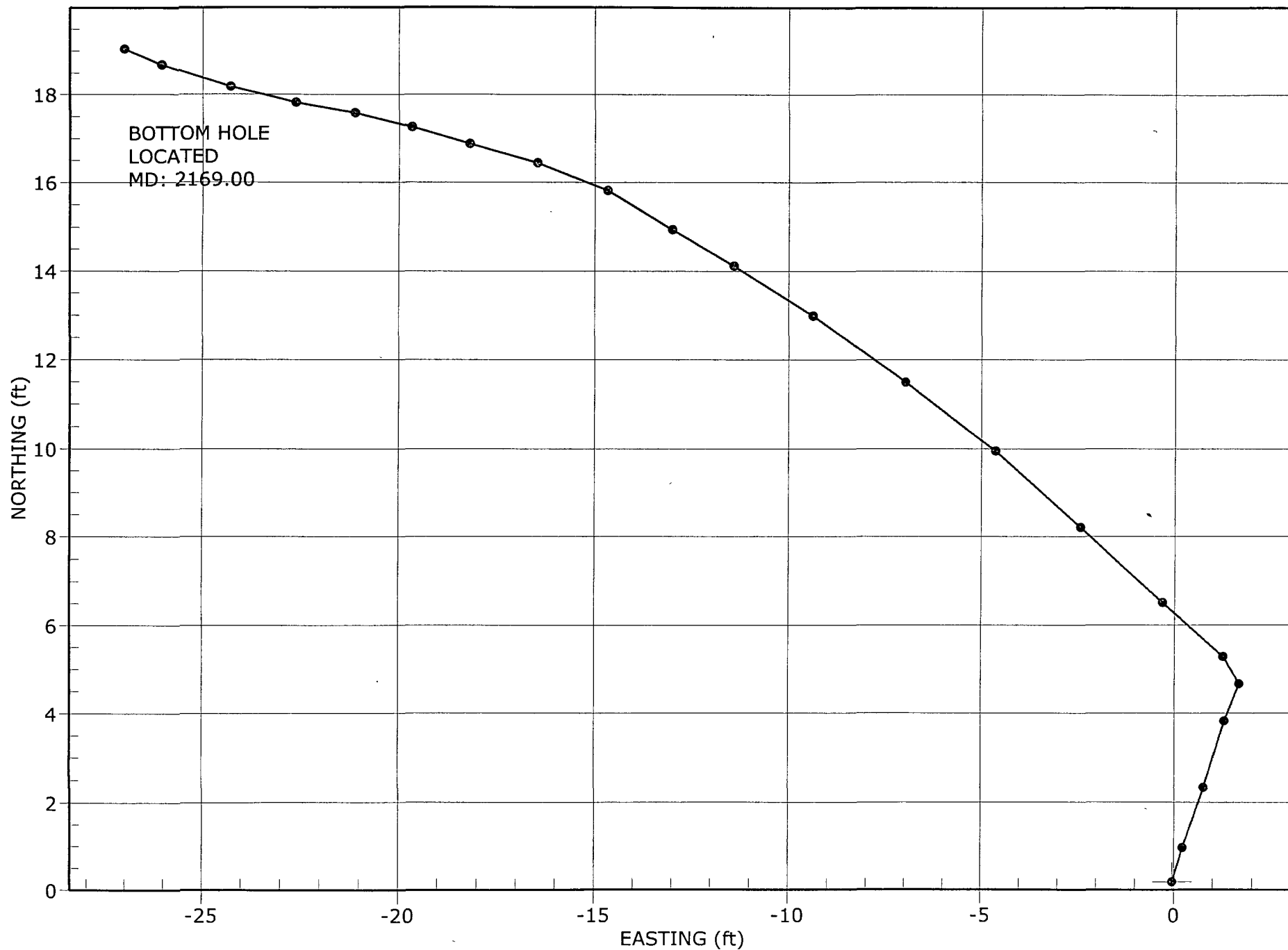
Job Number: MD0807G_271

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2100.00	1.03	286.82	N 73 11 W	0.07	2099.63	32.1 305.6	18.69 N 26.06 W
2169.00	0.69	296.01	N 63 59 W	0.52	2168.62	33.1 305.2	19.05 N 27.02 W

Final Station Closure: Distance: 33.06 ft Az: 305.18 deg.

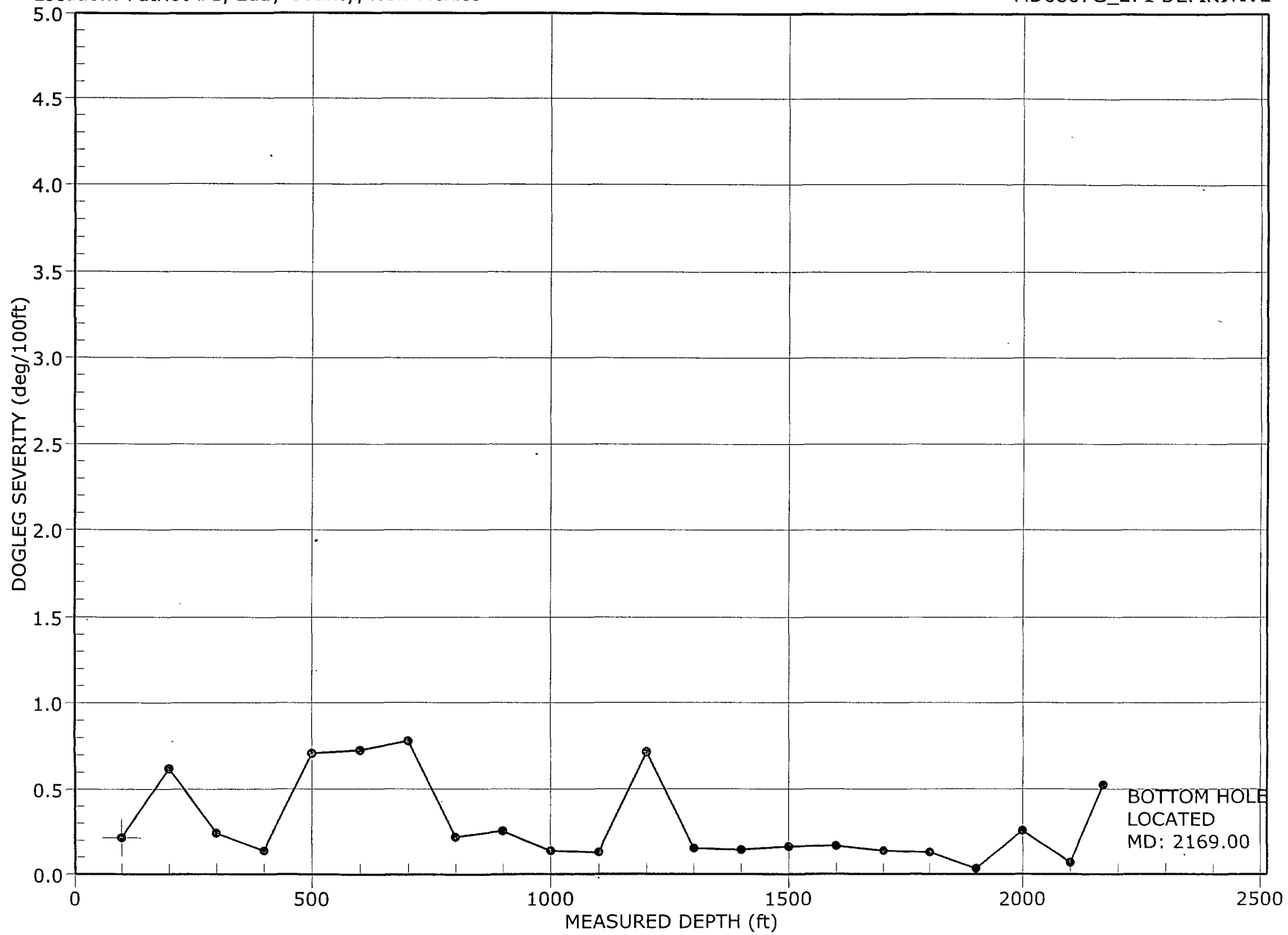
Yates Petroleum
Well: Box Canyon Unit No. 6 4-1/2" Drillpipe
Location: Patriot #1, Eddy County, New Mexico

Inrun
Gyrodata
MD0807G_271 DEFINITIVE



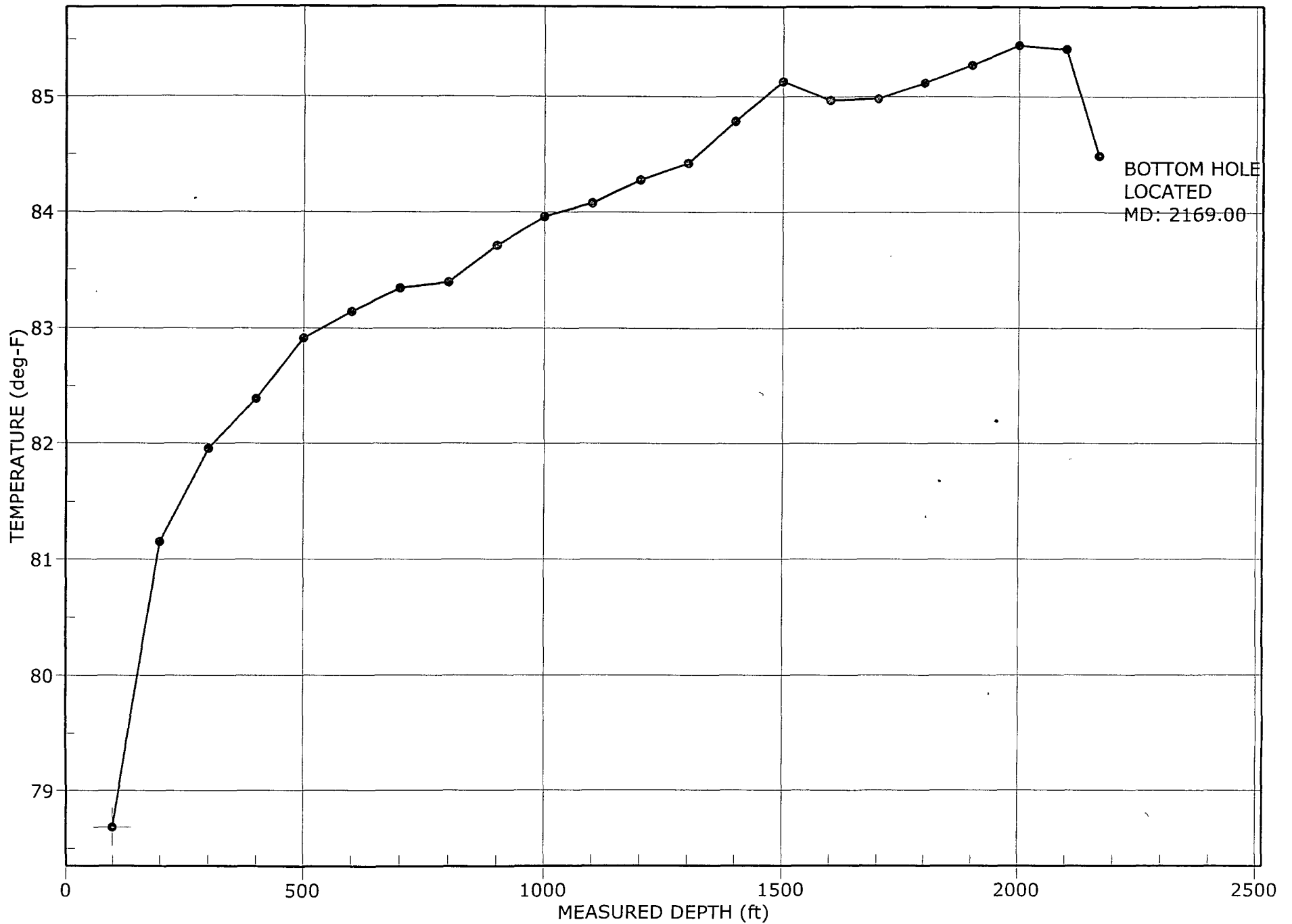
Yates Petroleum
Well: Box Canyon Unit No. 6 4-1/2" Drillpipe
Location: Patriot #1, Eddy County, New Mexico

Inrun
Gyrodata
MD0807G_271 DEFINITIVE



Yates Petroleum
Well: Box Canyon Unit No. 6 4-1/2" Drillpipe
Location: Patriot #1, Eddy County, New Mexico

Inrun
Gyrodata
MD0807G_271 DEFINITIVE



Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation		Date: 08/27/2007	Time: 08:51:17	Page: 1
Field: Box Canyon Unit		Co-ordinate(NE) Reference:	Site: Box Canyon Unit #6, Grid North	
Site: Box Canyon Unit #6		Vertical (TVD) Reference:	RKB 4570.0	
Well: Box Canyon Unit #6		Section (VS) Reference:	Well (0.00N,0.00E,55.89Azi)	
Wellpath: OH		Survey Calculation Method:	Minimum Curvature Db: Sybase	

Field: Box Canyon Unit		
Map System: US State Plane Coordinate System 1983	Map Zone:	New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System:	Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model:	igrf2005

Site: Box Canyon Unit #6		
Site Position:	Northing: 534004.70 ft	Latitude: 32 28 2.308 N
From: Map	Easting: 408956.60 ft	Longitude: 104 45 45.278 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4552.00 ft		Grid Convergence: -0.23 deg

Well: Box Canyon Unit #6			Slot Name:		
Well Position:	+N/-S 0.00 ft	Northing: 534004.70 ft	Latitude: 32 28 2.308 N		
	+E/-W 0.00 ft	Easting: 408956.60 ft	Longitude: 104 45 45.278 W		
Position Uncertainty: 0.00 ft					

Wellpath: OH			Drilled From: Surface		
Current Datum: RKB	Height 4570.00 ft		Tie-on Depth:	0.00 ft	
Magnetic Data: 05/30/2007			Above System Datum:	Mean Sea Level	
Field Strength: 49073 nT			Declination:	8.61 deg	
Vertical Section: Depth From (TVD)	+N/-S		Mag Dip Angle:	60.30 deg	
ft	ft		+E/-W	Direction	
			ft	deg	
0.00	0.00		0.00	55.89	

Survey: Pathfinder MWD		Start Date: 08/10/2007	
Company: Pathfinder Energy		Engineer:	
Tool:		Tied-to: User Defined	

Survey: Pathfinder MWD										
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
2169.00	0.69	296.01	2168.62	19.05	-27.02	-11.69	0.00	0.00	0.00	
2200.00	0.37	10.60	2199.62	19.23	-27.17	-11.71	2.23	-1.03	240.61	KOP @ 2200' MD/TVD, Beg n
2207.00	0.44	30.56	2206.62	19.28	-27.15	-11.67	2.23	0.98	285.15	
2302.00	3.43	71.78	2301.56	20.48	-24.27	-8.60	3.28	3.15	43.39	
2398.00	5.45	78.55	2397.26	22.28	-17.07	-1.63	2.17	2.10	7.05	
2493.00	8.27	75.30	2491.57	24.91	-6.04	8.97	3.00	2.97	-3.42	
2603.00	12.31	66.65	2599.79	31.57	12.39	27.96	3.92	3.67	-7.86	
2620.00	12.57	67.36	2616.39	33.00	15.76	31.56	1.77	1.53	4.18	
2652.00	13.01	66.83	2647.60	35.76	22.29	38.51	1.42	1.37	-1.66	
2684.00	13.54	66.04	2678.74	38.70	29.02	45.73	1.75	1.66	-2.47	
2716.00	14.25	67.62	2709.80	41.72	36.09	53.27	2.52	2.22	4.94	
2747.00	15.12	67.09	2739.79	44.74	43.34	60.98	2.84	2.81	-1.71	
2779.00	15.92	68.23	2770.62	48.00	51.26	69.36	2.68	2.50	3.56	
2811.00	16.62	67.53	2801.34	51.37	59.56	78.13	2.27	2.19	-2.19	
2843.00	16.80	65.95	2831.99	55.01	68.02	87.16	1.53	0.56	-4.94	
2873.00	17.24	65.42	2860.68	58.62	76.02	95.81	1.56	1.47	-1.77	
2892.19	17.40	64.44	2879.00	61.04	81.19	101.46	1.74	0.83	-5.12	Tubb
2904.00	17.50	63.84	2890.26	62.59	84.38	104.96	1.74	0.85	-5.05	
2967.00	19.08	61.29	2950.08	71.71	101.91	124.60	2.81	2.51	-4.05	
3011.58	20.71	58.78	2992.00	79.30	115.05	139.73	4.14	3.67	-5.63	Lower Yeso
3062.00	22.60	56.37	3038.86	89.29	130.74	158.32	4.14	3.74	-4.78	
3093.00	23.20	56.28	3067.41	95.98	140.78	170.38	1.94	1.94	-0.29	
3157.00	24.89	56.46	3125.86	110.42	162.49	196.46	2.64	2.64	0.28	
3189.00	25.85	56.46	3154.77	117.99	173.92	210.17	3.00	3.00	0.00	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation	Date: 08/27/2007	Time: 08:51:17	Page: 2
Field: Box Canyon Unit	Co-ordinate(NE) Reference:	Site: Box Canyon Unit #6, Grid North	
Site: Box Canyon Unit #6	Vertical (TVD) Reference:	RKB 4570.0	
Well: Box Canyon Unit #6	Section (VS) Reference:	Well (0.00N,0.00E,55.89Azi)	
Wellpath: OH	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Pathfinder MWD

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
3221.00	26.82	56 11	3183.45	125.87	185.73	224.36	3.07	3.03	-1.09	
3252.00	27.70	55.84	3211.01	133.82	197.50	238.56	2.87	2.84	-0.87	
3284.00	28.58	55.40	3239.22	142.34	209.95	253.65	2.83	2.75	-1.37	
3316.00	29.46	55.58	3267.21	151.13	222.74	269.18	2.76	2.75	0.56	
3348.00	30.16	55.75	3294.97	160.11	235.88	285.08	2.20	2.19	0.53	
3379.48	31 11	56.02	3322.06	169 10	249.16	301.13	3.06	3.03	0.84	EOB @ 3379' MD, 35.38" IN
3380.00	31.13	56 02	3322 50	169.25	249.38	301 39	3.06	3.03	0 82	
3411.00	32 36	56.37	3348.86	178.33	262.94	317.70	4.01	3.97	1 13	
3442.00	33.41	56.63	3374.90	187.62	276.97	334.53	3.42	3.39	0.84	
3474.00	34 29	56.63	3401.47	197.42	291.86	352.36	2.75	2.75	0.00	
3506.00	35.00	56.63	3427.80	207.43	307.05	370.55	2.22	2.22	0.00	
3538.00	34.91	56.63	3454.03	217.51	322.36	388 88	0.28	-0.28	0.00	
3571.00	34.03	55 84	3481.23	227.89	337.89	407.56	2.99	-2.67	-2.39	
3603.00	33 68	55.05	3507.81	238.00	352.57	425.38	1 76	-1.09	-2.47	
3635.00	33 00	54.87	3534.54	248.10	366.97	442.97	2.15	-2.12	-0.56	
3667.00	33.68	55.40	3561.27	258.15	381 40	460.55	2.31	2.12	1.66	
3699 00	34.82	55.67	3587.72	268.34	396.25	478.56	3.59	3.56	0.84	
3727.41	35.13	56 21	3611.00	277.46	409.74	494.85	1.55	1.09	1 91	Abo
3731.00	35.17	56.28	3613.94	278.61	411 46	496.91	1.55	1.10	1.89	
3762.00	35.70	56.46	3639.20	288.57	426.42	514.89	1.74	1.71	0 58	
3794.00	36 23	56.63	3665.10	298.93	442.10	533.68	1.69	1.66	0.53	
3826.00	36.93	56.37	3690.79	309.45	458.01	552.75	2.24	2.19	-0.81	
3858.00	37.72	56.46	3716.24	320 19	474.17	572.15	2 47	2.47	0.28	
3985 00	38.43	56.19	3816.21	363.61	539.35	650.47	0.57	0.56	-0.21	
4080.00	39.22	56.19	3890.22	396.75	588.83	710.02	0.83	0.83	0.00	
4100 89	39.08	55.91	3906.42	404.12	599.77	723.21	1.08	-0.65	-1 36	End Hold @ 4101' MD, Begi
4176.00	38.60	54.87	3964.93	430 88	638.54	770.32	1.08	-0.64	-1 38	
4271.00	36.67	54.17	4040.15	464.54	685 78	828.31	2.08	-2.03	-0.74	
4366 00	33.94	54.17	4117.68	496.67	730.29	883.18	2 87	-2.87	0.00	
4462.00	31.39	53.03	4198.49	527.40	772 00	934.95	2.73	-2.66	-1.19	
4557.00	29.37	52.85	4280 44	556.35	810.34	982.93	2.13	-2.13	-0 19	
4653.00	26.82	54.26	4365.12	583.22	846.69	1028.09	2.74	-2.66	1.47	
4748.00	24.45	55.84	4450.76	606 79	880.36	1069.18	2.60	-2.49	1.66	
4844 00	21.46	56.90	4539.15	627.54	911.52	1106.61	3.14	-3.11	1.10	
4939.00	18.55	56.46	4628 41	645.38	938.68	1139.11	3.07	-3.06	-0.46	
5035.00	14.77	56.46	4720 36	660.58	961.61	1166.62	3.94	-3.94	0.00	
5129.00	10.73	57.07	4812.03	671.97	978.95	1187.36	4.30	-4.30	0 65	
5225.00	6.24	60.32	4906 95	679.41	990.99	1201.51	4.70	-4.68	3 39	
5280 37	4.14	62.22	4962.09	681.83	995 37	1206.49	3.81	-3.80	3.42	End Drop @ 5280' MD
5318.35	2.70	65.22	5000.00	682.85	997.40	1208.74	3.81	-3.78	7.90	Vertical Point
5320.00	2 64	65.42	5001 65	682.88	997.47	1208.81	3.81	-3.76	12.37	
5410 38	1 54	177.77	5092.00	682.53	999.41	1210.23	3.90	-1.22	124.30	Wolfcamp
5415.00	1.67	182.05	5096.61	682 40	999.41	1210 15	3.90	2 91	92.81	
5418.39	1.72	183.61	5100.00	682.31	999 40	1210.09	1 93	1.37	46.11	Target
5511 00	3.25	206.13	5192.53	678.56	998.16	1206.97	1.93	1 66	24.31	
5606.00	3 69	206.13	5287.35	673.40	995.63	1201.97	0.46	0.46	0.00	
5701 00	3.52	205.26	5382.16	668.02	993.04	1196.81	0.19	-0.18	-0.92	
5797.00	4.04	212.20	5477.95	662.49	989 98	1191 18	0.72	0.54	7.23	
5892 00	4.22	209.83	5572.71	656.63	986.46	1184.97	0.26	0.19	-2.49	
5988.00	3.78	215.10	5668.47	650.98	982.88	1178.84	0.60	-0 46	5.49	
6083.00	3.43	217.55	5763.29	646.16	979.35	1173.22	0.40	-0.37	2.58	
6179.00	2 99	211 41	5859.14	641.75	976 29	1168 21	0.58	-0 46	-6 40	
6273.00	2 20	212.38	5953 04	638.13	974.05	1164.33	0.84	-0.84	1.03	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation	Date: 08/27/2007	Time: 08:51:17	Page: 3
Field: Box Canyon Unit	Co-ordinate(NE) Reference:	Site: Box Canyon Unit #6, Grid North	
Site: Box Canyon Unit #6	Vertical (TVD) Reference:	RKB 4570.0	
Well: Box Canyon Unit #6	Section (VS) Reference:	Well (0.00N,0.00E,55.89Azl)	
Wellpath: OH	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Pathfinder MWD

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
6369.00	2.02	215.27	6048.97	635.19	972.08	1161.05	0.22	-0.19	3.01	
6464.00	1.76	230.13	6143.92	632.89	970.00	1158.03	0.58	-0.27	15.64	
6482.09	1.69	232.61	6162.00	632.55	969.57	1157.49	0.58	-0.41	13.69	Cisco
6560.00	1.41	246.04	6239.89	631.47	967.79	1155.40	0.58	-0.35	17.24	
6655.00	1.32	248.50	6334.86	630.59	965.70	1153.19	0.11	-0.09	2.59	
6750.00	1.06	256.32	6429.84	629.98	963.83	1151.30	0.32	-0.27	8.23	Final MWD Survey @ 6750'
6802.00	0.92	260.60	6481.83	629.80	962.95	1150.47	0.30	-0.27	8.23	Proj. to Bit @ 6802' MD

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
Vertical Point		5000.00	630.00	930.00	534634.70	409886.60	32	28	8.579 N	104	45	34.452 W
Target		5100.00	630.00	930.00	534634.70	409886.60	32	28	8.579 N	104	45	34.452 W
PBHL		8827.00	630.00	930.00	534634.70	409886.60	32	28	8.579 N	104	45	34.452 W
-Circle (Radius: 50)												

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
	0.00	San Andres		0.00	0.00
	0.00	Glorieta		0.00	0.00
	0.00	Upper Yeso		0.00	0.00
2892.19	2879.00	Tubb		0.00	0.00
3011.58	2992.00	Lower Yeso		0.00	0.00
3727.41	3611.00	Abo		0.00	0.00
5410.38	5092.00	Wolfcamp		0.00	0.00
6482.09	6162.00	Cisco		0.00	0.00
	0.00	Strawn		0.00	0.00
	0.00	Atoka		0.00	0.00
	0.00	Upper Morrow		0.00	0.00
	0.00	Middle Morrow		0.00	0.00
	0.00	Lower Morrow		0.00	0.00
	0.00	Chester Lime		0.00	0.00

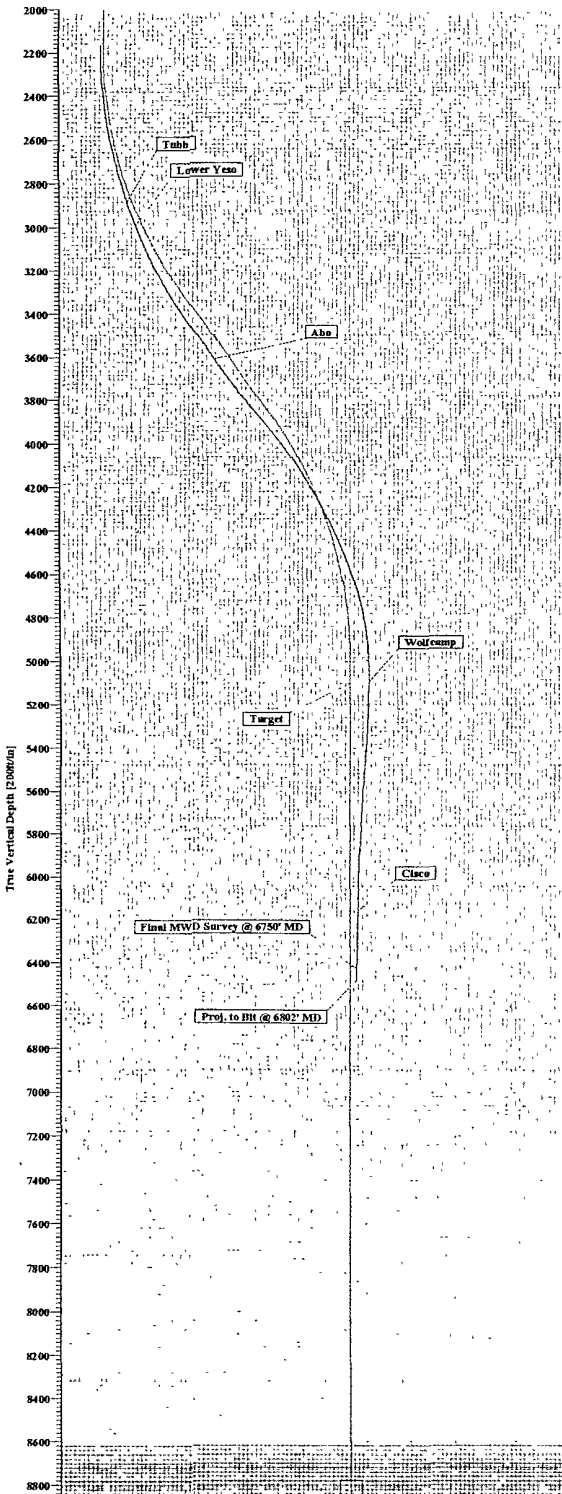
Annotation

MD ft	TVD ft	
2200.00	2199.62	KOP @ 2200' MD/TVD, Begin Build @ 3°/100'
3379.48	3322.06	EOB @ 3379' MD, 35.38° INC, Begin Hold
4100.89	3906.42	End Hold @ 4101' MD, Begin Drop @ 3°/100'
5280.37	4962.09	End Drop @ 5280' MD
6750.00	6429.84	Final MWD Survey @ 6750' MD
6802.00	6481.83	Proj. to Bit @ 6802' MD

Yates Petroleum Company

PATHFINDER

Field: Box Canyon Unit
Site: Box Canyon Unit #6
Well: Box Canyon Unit #6
Wellpath: OH
Survey: Pathfinder MWD



FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	2879.00	2892.19	Tubb
2	2992.00	3011.58	Lower Yeso
3	3611.00	3727.41	Abo
4	5092.00	5410.38	Wolfcamp
5	6162.00	6482.09	Cisco

SITE DETAILS

Box Canyon Unit #6
 Site Centre Northing: 534004.70
 Easting: 408956.60
 Ground Level: 4552.00
 Positional Uncertainty: 0.00
 Convergence: -0.23



Azimuths to Grid North
 True North: 0.23°
 Magnetic North: 8.84°

Magnetic Field
 Strength: 49073nT
 Dip Angle: 60.30°
 Date: 05/30/2007
 Model: igrf2005

WELLPATH DETAILS

OH			
Rig	RKB	4570.00ft	
Ref Datum			
V Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
55.89°	0.00	0.00	0.00

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	5000.00	630.00	930.00	Point
Target	5100.00	630.00	930.00	Point
PBHL	8827.00	630.00	930.00	Circle (Radius: 50)

ANNOTATIONS

No	TVD	MD	Annotation
1	2199.62	2200.00	KOP @ 2200' MD/TVD, Begin Build @ 3°/100'
2	3322.06	3379.48	EOB @ 3379' MD, 35.38° INC, Begin Hold
3	3906.42	4100.89	End Hold @ 4101' MD, Begin Drop @ 3°/100'
4	4962.09	5280.37	End Drop @ 5280' MD
5	6429.84	6750.00	Final MWD Survey @ 6750' MD
6	6481.83	6802.00	Proj to Bit @ 6802' MD

Survey Pathfinder MWD (Box Canyon Unit #6/OH)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
64	5988.00	3.78	215.10	5668.47	650.98	982.88	0.60	142.73	1178.84
65	6083.00	3.43	217.55	5763.29	646.16	979.35	0.40	157.46	1173.22
66	6179.00	2.99	211.41	5859.14	641.75	976.29	0.58	-145.03	1168.21
67	6273.00	2.20	212.38	5953.04	638.13	974.05	0.84	177.30	1164.33
68	6369.00	2.02	215.27	6048.97	635.19	972.08	0.22	150.85	1161.05
69	6464.00	1.76	230.13	6143.92	632.89	970.00	0.58	125.24	1158.03
70	6560.00	1.41	246.04	6239.89	631.47	967.79	0.58	136.27	1155.40
71	6655.00	1.32	248.50	6334.86	630.59	965.70	0.11	148.16	1153.19
72	6750.00	1.06	256.32	6429.84	629.98	963.83	0.32	151.88	1151.30
73	6802.00	0.92	260.60	6481.83	629.80	962.95	0.30	154.29	1150.47

