Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 29 2007
OCD-ARTESIA

FORM APPROVED
OM B No 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well: [xx] Oil Well [ ] Gas Well [ ] Other	5. Lease Serial No. NM-86024
2 Name of Operator: Pogo Producing Company	6. If Indian, Allottee or Tribe Name
3a. Address: P.O. Box 10340, Midland, TX 79702	3b. Phone No. *(include area code)*: 432-685-8100
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: 1400' FNL & 1800' FWL, Section 34, T23S, R29E CONFIDENTIAL	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. Cypress 34 Federal #2
	9. API Well No. 30-015-35413
	10. Field and Pool, or Exploratory Area: Cedar Canyon Bone Spring
	11. County or Parish, State: Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[xx] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Intermediate Csg – Drld 12-1/4" hole to 3040'. TD reached @ 24:00 hrs 05/11/07. Ran 69 jts 9-5/8" 36# J-55 LT&C csg. Cmt'd w/ 1050 sks 35:65 POZ C followed by 200 sks Cl "C" + 1% CaCl2. Plug down @ 15:00 hrs 05/12/07. Circ 300 sks to surface. WOC 20 hrs. Make cut-off. Install WH. NU BOP & test to 3000# ok. Test csg to 1250# for 30 mins.

TD & Production Csg – Drld 8-1/2" hole to 7204'. TD reached @ 05:30 hrs 05/19/07. KOP @ 7431'. Cont drilling 8-1/2" – 7-7/8" hole w/ directional tools to 11,075' MD. TD reached @ 02:30 hrs 05/29/07. Ran 248 jts 5-1/2" 17# & 29# N-80 BT&C & LT&C csg. Cmt'd 1st stage w/ 1325 sks Cl C + add. Circ 163 sks to surface. Cmt'd 2nd stage w/ 700 sks Cl C + add. Circ 222 sks to surface. Cmt'd 3rd stage w/ 335 sks 35:65 POZ C followed by 100 sks Cl C. Plug down @ 08:00 hrs 06/03/07. Circ 276 sks to surface. Test csg to 5000# for 30 mins. CBL ran 06/11/07.

14. I hereby certify that the foregoing is true and correct Name *(Printed/Typed)*: Cathy Wright	Title: Sr. Eng Tech
Signature: Cathy Wright	Date: 06/27/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on page 2)

OPERATOR	POGO PRODUCING CO.	JUN 29 2007 RECEIVED	078-0050
WELL/LEASE	CYPRESS 34 FED. 2	**OCD-ARTESIA** JUN 14 2007	
COUNTY	EDDY		

STATE OF NEW MEXICO
DEVIATION REPORT

MIDLAND

107	0.75
224	1.00
340	1.00
525	1.00
734	1.00
1,044	0.50
1,364	0.50
1,684	0.75
2,004	0.75
2,324	1.00
2,570	1.00
2,769	2.00
2,995	1.75
3,320	1.00
3,639	0.75
3,959	0.75
4,279	0.75
4,598	0.75
4,918	0.75
5,238	0.75
5,557	0.50
5,876	0.50
6,196	0.50
6,513	0.75
6,833	1.00
7,152	1.00
7,440	1.00

CONFIDENTIAL

BY: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on June 11, 2007, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges

Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

JONI D. HODGES
Notary Public
STATE OF TEXAS
My Commission
Expires 04/11/2011

Scientific Drilling

JUN 29 2007
OCD-ARTESIA

POGO

Field: Cedar Canyon
Site: Eddy County, NM
Well: Cypress 34 Federal #2H
Wellpath: VH - Job #32K0507410
Survey: 05/20/07

CONFIDENTIAL

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

.....Company Representative

Notorized this date 25th of June, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	POGO	**Date:** 06/19/2007	**Time:** 16:42:59	**Page:**	1
Field:	Cedar Canyon	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Cypress 34 Federal #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,188.77Azi)		
Wellpath:	VH - Job #32K0507410	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	05/20/07 KSRG)'-6900'	**Start Date:**	05/20/2007
Company:	Scientific Drilling Internatio	**Engineer:**	Pena w/P&M
Tool:	Keeper;Keeper 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	359.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.24	187.33	100.00	0.21	-0.21	-0.03	0.24	0.21	187.33
200.00	0.52	141.63	200.00	0.73	-0.77	0.23	0.39	0.80	163.51
300.00	0.90	187.99	299.99	1.82	-1.90	0.40	0.66	1.95	168.12
400.00	0.72	196.84	399.98	3.23	-3.28	0.11	0.22	3.29	178.09
500.00	0.65	213.64	499.97	4.37	-4.36	-0.39	0.21	4.37	185.07
600.00	0.37	239.41	599.97	5.08	-4.99	-0.98	0.36	5.09	191.09
700.00	0.29	305.56	699.97	5.18	-5.01	-1.46	0.37	5.22	196.27
800.00	0.35	352.47	799.97	4.77	-4.56	-1.71	0.26	4.87	200.54
900.00	0.33	2.59	899.96	4.19	-3.97	-1.74	0.06	4.33	203.61
1000.00	0.57	356.74	999.96	3.42	-3.19	-1.75	0.24	3.64	208.79
1100.00	0.56	352.71	1099.96	2.46	-2.21	-1.84	0.04	2.87	219.86
1200.00	0.79	355.58	1199.95	1.32	-1.03	-1.96	0.23	2.21	242.16
1300.00	0.69	349.45	1299.94	0.08	0.25	-2.12	0.13	2.13	276.63
1400.00	0.67	343.32	1399.93	-1.02	1.40	-2.40	0.08	2.78	300.25
1500.00	0.54	342.11	1499.93	-1.97	2.41	-2.71	0.13	3.62	311.61
1600.00	0.45	347.70	1599.93	-2.75	3.24	-2.94	0.10	4.37	317.78
1700.00	0.30	339.35	1699.92	-3.35	3.87	-3.11	0.16	4.97	321.15
1800.00	0.14	312.75	1799.92	-3.64	4.20	-3.30	0.19	5.34	321.84
1900.00	0.29	95.40	1899.92	-3.73	4.25	-3.13	0.41	5.28	323.62
2000.00	0.51	68.62	1999.92	-3.97	4.39	-2.47	0.28	5.04	330.67
2100.00	0.46	57.61	2099.92	-4.45	4.77	-1.71	0.11	5.07	340.23
2200.00	0.56	13.06	2199.91	-5.20	5.46	-1.27	0.40	5.61	346.96
2300.00	0.82	12.28	2299.91	-6.41	6.64	-1.00	0.26	6.71	351.41
2400.00	0.98	62.88	2399.89	-7.62	7.73	-0.09	0.78	7.73	359.34
2500.00	1.22	85.56	2499.88	-8.37	8.20	1.73	0.49	8.38	11.94
2600.00	0.89	114.36	2599.86	-8.40	7.96	3.50	0.61	8.70	23.75
2700.00	1.81	137.54	2699.83	-7.20	6.47	5.28	1.05	8.35	39.17
2800.00	2.24	142.36	2799.77	-4.87	3.76	7.54	0.46	8.42	63.47
2900.00	2.10	144.17	2899.70	-2.21	0.73	9.80	0.16	9.83	85.75
3000.00	1.57	160.13	2999.65	0.29	-2.04	11.34	0.73	11.52	100.22
3100.00	1.30	167.65	3099.61	2.55	-4.44	12.05	0.33	12.84	110.24
3200.00	0.77	200.07	3199.60	4.27	-6.18	12.06	0.77	13.55	117.14
3300.00	0.87	202.64	3299.59	5.67	-7.51	11.54	0.11	13.77	123.07
3400.00	0.87	210.33	3399.58	7.11	-8.87	10.86	0.12	14.02	129.23
3500.00	0.78	233.46	3499.57	8.30	-9.93	9.93	0.34	14.04	134.99
3600.00	0.75	233.37	3599.56	9.25	-10.72	8.86	0.03	13.91	140.44
3700.00	0.59	218.19	3699.55	10.16	-11.52	8.02	0.24	14.03	145.17
3800.00	0.30	200.87	3799.55	10.87	-12.17	7.60	0.32	14.35	148 00
3900.00	0.18	208.92	3899.55	11.27	-12.55	7.43	0.12	14.59	149.36
4000.00	0.27	186.74	3999.55	11.65	-12.92	7.33	0.12	14.86	150.43
4100.00	0.20	269.69	4099.55	11.92	-13.16	7.13	0.32	14.96	151.55
4200.00	0.05	19.06	4199.55	11.90	-13.12	6.97	0.22	14.85	152.02
4300.00	0.36	134.92	4299.55	12.04	-13.30	7.21	0.38	15.12	151.55
4400.00	0.02	147.77	4399.54	12.24	-13.53	7.44	0.34	15.44	151.21
4500.00	0.17	221.91	4499.54	12.38	-13.66	7.35	0.17	15.51	151.73
4600.00	0.16	250.83	4599.54	12.57	-13.82	7.12	0.08	15.54	152.75
4700.00	0.33	169.14	4699.54	12.91	-14.14	7.04	0.35	15.80	153.54
4800.00	0.53	285.67	4799.54	13.12	-14.30	6.65	0.74	15.77	155.07

Scientific Drilling

Scientific Drilling International
Survey Report

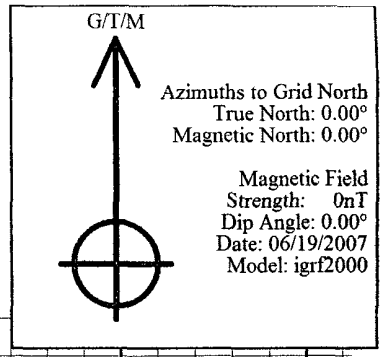
Company:	POGO	**Date:** 06/19/2007	**Time:** 16:42:59	**Page:**	2
Field:	Cedar Canyon	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Cypress 34 Federal #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,188.77Azi)		
Wellpath:	VH - Job #32K0507410	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

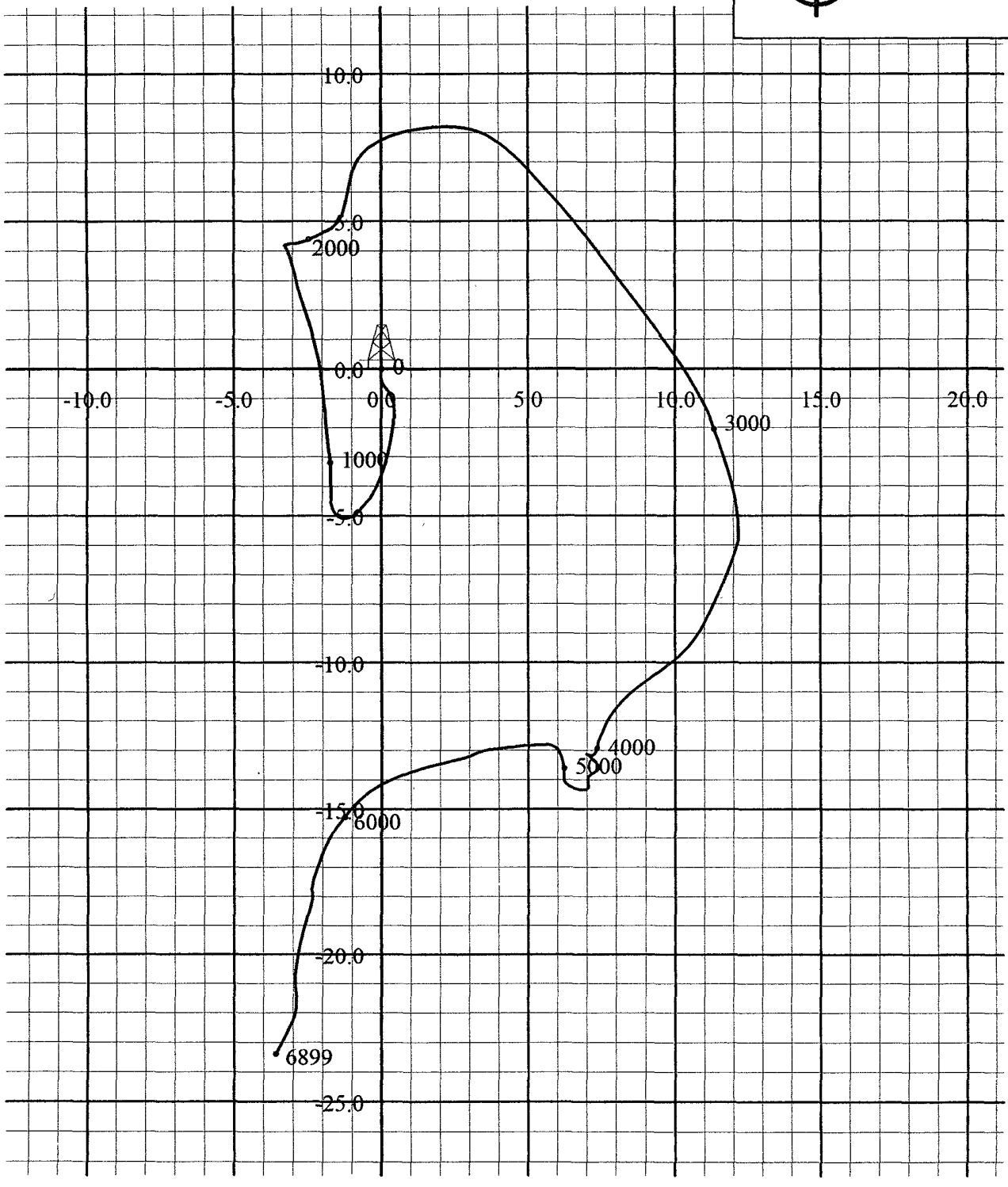
Survey

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	0.27	1.98	4899.54	12.83	-13.94	6.21	0.53	15.26	155.99
5000.00	0.12	359.85	4999.54	12.50	-13.60	6.22	0.15	14.96	155.43
5100.00	0.43	340.79	5099.54	12.06	-13.14	6.09	0.32	14.49	155.12
5200.00	0.45	269.78	5199.54	11.79	-12.79	5.58	0.51	13.95	156.44
5300.00	0.42	263.67	5299.53	11.95	-12.83	4.82	0.06	13.71	159.41
5400.00	0.58	263.80	5399.53	12.17	-12.93	3.95	0.16	13.52	162.99
5500.00	0.37	244.93	5499.53	12.48	-13.12	3.16	0.26	13.49	166.46
5600.00	0.80	258.38	5599.52	12.91	-13.40	2.18	0.45	13.57	170.75
5700.00	0.67	250.31	5699.51	13.43	-13.73	0.95	0.17	13.77	176.05
5800.00	0.55	242.45	5799.51	13.99	-14.15	-0.03	0.15	14.15	180.11
5900.00	0.41	225.10	5899.50	14.56	-14.63	-0.71	0.20	14.64	182.77
6000.00	0.54	220.43	5999.50	15.25	-15.24	-1.27	0.14	15.29	184.75
6100.00	0.50	206.91	6099.50	16.07	-15.99	-1.77	0.13	16.08	186.32
6200.00	0.81	198.89	6199.49	17.18	-17.04	-2.20	0.32	17.18	187.34
6300.00	0.15	151.02	6299.48	17.98	-17.83	-2.36	0.72	17.98	187.54
6400.00	0.74	196.86	6399.48	18.72	-18.56	-2.49	0.64	18.73	187.63
6500.00	0.64	191.11	6499.47	19.92	-19.73	-2.78	0.12	19.92	188.02
6600.00	0.42	187.58	6599.47	20.84	-20.64	-2.94	0.22	20.84	188.10
6700.00	0.49	168.92	6699.47	21.61	-21.42	-2.90	0.16	21.62	187.72
6800.00	0.61	205.47	6799.46	22.52	-22.32	-3.05	0.36	22.53	187.78
6900.00	0.76	209.52	6899.46	23.65	-23.38	-3.60	0.16	23.65	188.77

Scientific Drilling

Field: Cedar Canyon
Site: Eddy County, NM
Well: Cypress 34 Federal #2H
Wellpath: VH - Job #32K0507410
Survey: 05/20/07





South(-)/North(+) [5ft/in]

West(-)/East(+) [5ft/in]

Pathfinder Energy

Survey Report

JUN 29 2007

OCD-ARTESIA

Company:	Pogo	**Date:** 5/30/2007 **Time:** 11:46:32	**Page:** 1
Field:	Cypress 34 Fed #2H	**Co-ordinate(NE) Reference:**	Site: Cypress 34 Fed #2H, Grid North
Site:	Cypress 34 Fed #2H	**Vertical (TVD) Reference:**	SITE 0.0
Well:	Cypress 34 Fed #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,99.68Azi)
Wellpath:	OH	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Field: Cypress 34 Fed #2H
Sec 34, T23S, R29E

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: Cypress 34 Fed #2H

Site Position:		**Northing:**	460272.98 ft	**Latitude:**	32 15 53.485 N
From:	Geographic	**Easting:**	651835.16 ft	**Longitude:**	103 58 33.057 W
Position Uncertainty:	0 00 ft			**North Reference:**	Grid
Ground Level:	3059 00 ft			**Grid Convergence:**	0.19 deg

Well: Cypress 34 Fed #2H **Slot Name:**

Well Position:	+N/-S	0 00 ft	**Northing:**	460272.98 ft	**Latitude:**	32 15 53.485 N
	+E/-W	0.00 ft	**Easting :**	651835.16 ft	**Longitude:**	103 58 33.057 W
Position Uncertainty:		0.00 ft				

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Wellpath:	OH	**Drilled From:**	Surface
		Tie-on Depth:	0.00 ft
Current Datum:	SITE **Height** 0 00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	5/21/2007	**Declination:**	8.25 deg
Field Strength:	49048 nT	**Mag Dip Angle:**	60 26 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	99.68

Survey:	Pathfinder MWD	**Start Date:**	5/22/2007
Company:	Pathfinder Energy	**Engineer:**	
Tool:		**Tied-to:**	From. Definitive Path

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
6900 00	0.76	209 52	6899 46	-23.38	-3 60	0 38	0.00	0.00	0.00	
7015 00	0.35	188.07	7014.45	-24 39	-4.03	0.13	0.39	-0.36	-18 65	
7111.00	0.62	246.71	7110.45	-24 89	-4.55	-0.30	0.55	0.28	61.08	
7207.00	0.44	245.27	7206.44	-25.24	-5 36	-1.04	0.19	-0.19	-1.50	
7303 00	1.76	320.67	7302.43	-24.26	-6.63	-2.46	1.77	1.37	78.54	
7399.00	2.64	335.04	7398.35	-21.11	-8.50	-4.83	1.07	0.92	14.97	
7431.00	2.55	356.44	7430.32	-19 74	-8.85	-5.41	3.02	-0.28	66.87	KOP @ 7431' MD
7463.00	4 40	93.32	7462.28	-19 10	-7.67	-4.35	16.69	5.78	302.75	
7495.00	10 46	114.71	7494.00	-20.38	-3.80	-0.32	20.50	18 94	66 84	
7527.00	16 71	117.29	7525.09	-23.71	2 93	6 88	19.62	19 53	8.06	
7559.00	21 37	118.71	7555.33	-28.62	12.14	16.78	14.63	14 56	4.44	
7591.00	26.03	120.26	7584.63	-34 96	23.32	28.87	14.69	14.56	4.84	
7623 00	30.25	118.99	7612.84	-42.41	36 45	43 06	13.32	13.19	-3.97	
7655.00	34.12	117.70	7639 92	-50.49	51.45	59 20	12.28	12.09	-4.03	
7687.00	37.99	117.16	7665.78	-59.16	68.16	77.14	12.13	12.09	-1.69	
7719.00	42.38	115.83	7690.22	-68.36	86.64	96.90	13.98	13.72	-4.16	
7751.00	45.81	116.10	7713.20	-78.11	106.66	118.27	10 73	10.72	0.84	
7783 00	48.36	116.14	7734.99	-88.43	127.70	140.75	7.97	7 97	0.12	
7815 00	48 98	116.78	7756.12	-99.14	149.21	163.75	2.45	1.94	2.00	
7846.00	50.39	118 11	7776 18	-110.03	170.18	186.26	5 60	4.55	4 29	
7878.00	53.20	118.15	7795.97	-121.89	192.36	210.11	8.78	8.78	0.12	
7910.00	57.42	118 31	7814.18	-134.33	215.53	235.05	13.19	13.19	0.50	
7942.00	61.55	119.54	7830.42	-147 67	239.65	261.07	13.32	12.91	3.84	
7974.00	64.19	121.29	7845.01	-162.09	264.21	287 70	9.58	8 25	5.47	

Pathfinder Energy
Survey Report

Company:	Pogo	**Date:**	5/30/2007	**Time:** 11:46:32	**Page:** 2
Field:	Cypress 34 Fed #2H	**Co-ordinate(NE) Reference:**	Site: Cypress 34 Fed #2H, Grid North		
Site:	Cypress 34 Fed #2H	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Cypress 34 Fed #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,99.68Azi)		
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
8006 00	67.36	121.32	7858.14	-177.25	289.14	314.82	9.91	9.91	0.09	
8038.00	70.08	122.09	7869.76	-192.92	314.50	342.46	8 79	8.50	2.41	
8070.00	73.42	122.88	7879.78	-209.24	340.13	370.47	10.70	10.44	2.47	
8102.00	75.89	123.27	7888.24	-226.08	365.99	398.79	7.81	7.72	1.22	
8134.00	78.35	123.41	7895.38	-243 22	392.05	427.36	7.70	7.69	0.44	
8166.00	80.99	125 01	7901.11	-260.92	418.08	455.99	9.60	8.25	5 00	
8198.00	83.80	125.60	7905.35	-279.25	443.96	484.59	8.97	8.78	1.84	
8233.00	84.06	126.88	7909.05	-299.83	472.03	515.71	3.71	0.74	3.66	
8265 00	85.03	126.79	7912.09	-318.92	497.53	544.06	3.04	3.03	-0.28	
8297.00	86.17	126.09	7914 55	-337.88	523.19	572.54	4.18	3.56	-2.19	
8329.00	87 49	126.09	7916 32	-356.70	549.01	601.16	4.12	4.12	0.00	
8361.00	87.49	125.65	7917.72	-375.43	574 92	629.85	1.37	0 00	-1.37	
8393.00	87.58	125.65	7919 09	-394.06	600.90	658.59	0.28	0.28	0.00	
8425.00	87.67	125.30	7920.42	-412.62	626.93	687.37	1.13	0.28	-1.09	
8461.00	88.02	124.51	7921.77	-433.20	656.44	719.92	2.40	0.97	-2.19	
8493.00	88.02	123.89	7922.88	-451.18	682.89	749.01	1.94	0.00	-1.94	
8520.00	87 85	124.51	7923.85	-466.34	705 20	773.56	2.38	-0.63	2 30	
8552 00	88.46	123 98	7924.88	-484.34	731.64	802.65	2.52	1.91	-1.66	
8583.00	89 52	123 01	7925.43	-501.45	757.49	831.00	4.63	3.42	-3.13	
8615 00	89.87	123.10	7925.60	-518.90	784.31	860 38	1.13	1.09	0.28	EOC @ 8615' MD, 7926' TVD
8647.00	90 31	122.31	7925.55	-536.19	811.24	889.83	2.83	1.37	-2.47	
8679.00	90.13	121.26	7925.43	-553.05	838.44	919.47	3.33	-0.56	-3.28	
8711.00	90.22	119.06	7925.33	-569.12	866.10	949.45	6.88	0 28	-6.87	
8743.00	90.22	117.57	7925.21	-584.30	894.27	979.77	4.66	0.00	-4.66	
8775.00	90.31	116.07	7925.06	-598.74	922.83	1010.35	4.70	0.28	-4.69	
8807.00	90.57	114.31	7924.81	-612.36	951.79	1041 18	5.56	0.81	-5.50	
8839.00	89.78	112.73	7924.71	-625.13	981 13	1072 25	5.52	-2.47	-4.94	
8871.00	88.90	111.76	7925.08	-637.24	1010.74	1103.48	4.09	-2.75	-3.03	
8903.00	87.76	110 27	7926.02	-648.71	1040.60	1134.84	5.86	-3.56	-4.66	
8935 00	87.67	108.60	7927.29	-659.35	1070.75	1166 35	5.22	-0.28	-5.22	
8967 00	88.02	107.46	7928.49	-669.25	1101.16	1197.99	3.72	1.09	-3.56	
8999.00	88.29	106.05	7929 53	-678.47	1131.78	1229.73	4.48	0.84	-4.41	
9031.00	88.72	104.91	7930.36	-687.00	1162.61	1261.55	3.81	1.34	-3.56	
9063.00	89.08	103 15	7930.97	-694.76	1193.65	1293.45	5.61	1.12	-5.50	
9095.00	89.43	100 25	7931 39	-701 25	1224 98	1325.42	9.13	1.09	-9.06	
9127 00	87.93	99 20	7932.13	-706 65	1256.51	1357 41	5.72	-4 69	-3.28	
9159.00	87.85	96.91	7933.31	-711.13	1288.17	1389 38	7.16	-0.25	-7.16	
9191 00	87 76	95.06	7934.53	-714.47	1319.97	1421.29	5.78	-0 28	-5.78	
9223.00	88 11	93.92	7935 68	-716.97	1351.85	1453.13	3.72	1.09	-3.56	
9255.00	88.20	92.34	7936.72	-718.71	1383.78	1484.91	4.94	0.28	-4.94	
9287 00	88.29	91 37	7937.70	-719.75	1415.75	1516 60	3.04	0.28	-3.03	
9317.00	88.29	90 06	7938 59	-720.12	1445.74	1546.22	4.36	0.00	-4.37	
9349.00	88 46	90.32	7939 50	-720.23	1477.72	1577.76	0.97	0.53	0.81	
9380.00	88 46	90.06	7940.33	-720 33	1508.71	1608.33	0 84	0.00	-0.84	
9412.00	88.81	88.74	7941.09	-720.00	1540.70	1639.81	4.27	1.09	-4 12	
9444 00	89.08	87 51	7941.68	-718.95	1572.68	1671.15	3.93	0.84	-3.84	
9476.00	89.16	87.51	7942.17	-717.56	1604.64	1702.43	0.25	0.25	0 00	
9508.00	89.43	87.24	7942.57	-716.10	1636.61	1733.69	1.19	0.84	-0 84	
9539.00	89.52	87.59	7942.85	-714.70	1667.57	1763.98	1.17	0.29	1.13	
9571.00	89.52	86.63	7943.12	-713.08	1699.53	1795.22	3.00	0.00	-3.00	
9603 00	89.96	85.48	7943.27	-710.88	1731.45	1826 31	3.85	1.37	-3 59	
9635.00	89.96	85.48	7943.29	-708.36	1763.36	1857.34	0.00	0.00	0.00	
9667.00	90.22	85 40	7943.24	-705.82	1795 25	1888.35	0 85	0.81	-0.25	

Pathfinder Energy
Survey Report

Company: Pogo	**Date:** 5/30/2007	**Time:** 11:46:32	**Page:** 3
Field: Cypress 34 Fed #2H	**Co-ordinate(NE) Reference:** Site: Cypress 34 Fed #2H, Grid North		
Site: Cypress 34 Fed #2H	**Vertical (TVD) Reference:** SITE 0.0		
Well: Cypress 34 Fed #2H	**Section (VS) Reference:** Well (0.00N,0.00E,99.68Azi)		
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
9699.00	90.13	84.96	7943.14	-703.13	1827.14	1919.34	1.40	-0.28	-1.37	
9731.00	89.87	83.81	7943.14	-700.00	1858.99	1950.20	3.68	-0.81	-3.59	
9763.00	89.69	83.20	7943.26	-696.38	1890.78	1980.94	1.99	-0.56	-1.91	
9795.00	89.69	82.67	7943.44	-692.44	1922.54	2011.58	1.66	0.00	-1.66	
9827.00	89.43	82.41	7943.68	-688.29	1954.27	2042.16	1.15	-0.81	-0.81	
9859.00	89.69	81.97	7943.93	-683.94	1985.97	2072.68	1.60	0.81	-1.37	
9891.00	89.87	81.71	7944.05	-679.40	2017.64	2103.14	0.99	0.56	-0.81	
9923.00	90.04	81.18	7944.07	-674.64	2049.29	2133.53	1.74	0.53	-1.66	
9955.00	89.87	81.44	7944.10	-669.80	2080.92	2163.90	0.97	-0.53	0.81	
9987.00	89.25	81.79	7944.35	-665.14	2112.58	2194.32	2.22	-1.94	1.09	
10019.00	89.25	82.14	7944.76	-660.66	2144.26	2224.80	1.09	0.00	1.09	
10051.00	89.34	82.32	7945.16	-656.34	2175.96	2255.33	0.63	0.28	0.56	
10083.00	89.69	82.14	7945.43	-652.01	2207.67	2285.86	1.23	1.09	-0.56	
10113.00	89.43	82.32	7945.66	-647.96	2237.39	2314.47	1.05	-0.87	0.60	
10145.00	89.78	81.79	7945.88	-643.53	2269.08	2344.97	1.98	1.09	-1.66	
10177.00	89.60	81.53	7946.05	-638.89	2300.75	2375.40	0.99	-0.56	-0.81	
10209.00	89.60	81.79	7946.28	-634.25	2332.41	2405.83	0.81	0.00	0.81	
10241.00	89.69	81.71	7946.48	-629.66	2364.07	2436.28	0.38	0.28	-0.25	
10273.00	89.96	81.09	7946.57	-624.87	2395.71	2466.66	2.11	0.84	-1.94	
10305.00	89.69	81.09	7946.67	-619.92	2427.33	2496.99	0.84	-0.84	0.00	
10337.00	89.43	81.27	7946.92	-615.01	2458.95	2527.34	0.99	-0.81	0.56	
10369.00	89.43	81.35	7947.23	-610.18	2490.58	2557.71	0.25	0.00	0.25	
10401.00	89.43	81.09	7947.55	-605.29	2522.20	2588.06	0.81	0.00	-0.81	
10433.00	89.60	81.44	7947.82	-600.43	2553.83	2618.42	1.22	0.53	1.09	
10465.00	89.60	80.83	7948.05	-595.50	2585.45	2648.76	1.91	0.00	-1.91	
10497.00	89.43	80.65	7948.32	-590.35	2617.03	2679.03	0.77	-0.53	-0.56	
10529.00	89.08	80.56	7948.73	-585.13	2648.60	2709.27	1.13	-1.09	-0.28	
10561.00	89.08	80.04	7949.25	-579.74	2680.14	2739.45	1.62	0.00	-1.62	
10593.00	89.13	80.39	7949.75	-574.30	2711.67	2769.62	1.10	0.16	1.09	
10625.00	88.64	80.48	7950.37	-568.98	2743.22	2799.82	1.56	-1.53	0.28	
10657.00	88.64	80.21	7951.13	-563.62	2774.75	2830.01	0.84	0.00	-0.84	
10689.00	88.72	80.21	7951.87	-558.18	2806.28	2860.17	0.25	0.25	0.00	
10721.00	88.81	80.74	7952.56	-552.88	2837.83	2890.39	1.68	0.28	1.66	
10753.00	88.37	81.88	7953.34	-548.05	2869.45	2920.75	3.82	-1.37	3.56	
10785.00	88.29	81.62	7954.28	-543.46	2901.11	2951.18	0.85	-0.25	-0.81	
10817.00	88.37	81.44	7955.21	-538.75	2932.75	2981.58	0.62	0.25	-0.56	
10849.00	88.20	81.35	7956.17	-533.96	2964.37	3011.95	0.60	-0.53	-0.28	
10881.00	87.49	80.74	7957.37	-528.99	2995.96	3042.25	2.92	-2.22	-1.91	
10913.00	87.41	80.83	7958.79	-523.87	3027.51	3072.49	0.38	-0.25	0.28	
10941.00	87.49	80.56	7960.04	-519.34	3055.12	3098.95	1.00	0.29	-0.96	
10976.00	88.02	80.48	7961.41	-513.58	3089.61	3131.98	1.53	1.51	-0.23	
11006.00	88.72	80.65	7962.26	-508.67	3119.20	3160.32	2.40	2.33	0.57	Final MWD Survey @ 11006
11075.00	88.72	80.65	7963.81	-497.46	3187.26	3225.53	0.00	0.00	0.00	Proj. to Bit @ 11075' MD

Annotation

MD ft	TVD ft	
8615.00	7925.60	EOC @ 8615' MD, 7926' TVD
11006.00	7962.26	Final MWD Survey @ 11006' MD
11075.00	7963.81	Proj. to Bit @ 11075' MD
7431.00	7430.32	KOP @ 7431' MD

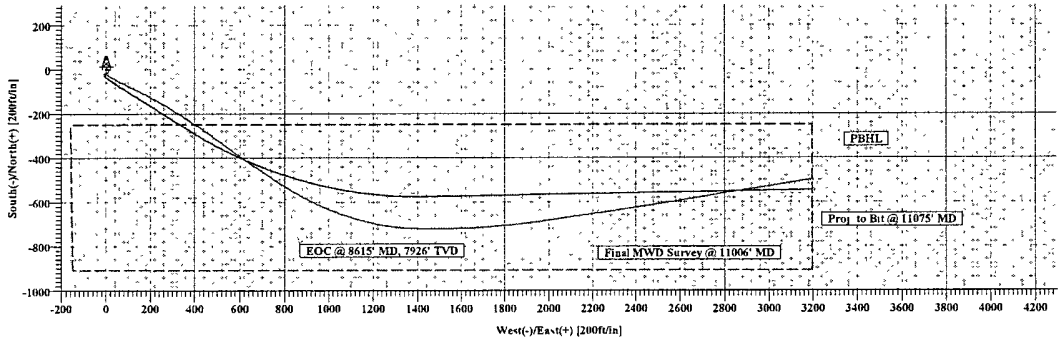
POGO PRODUCING COMPANY

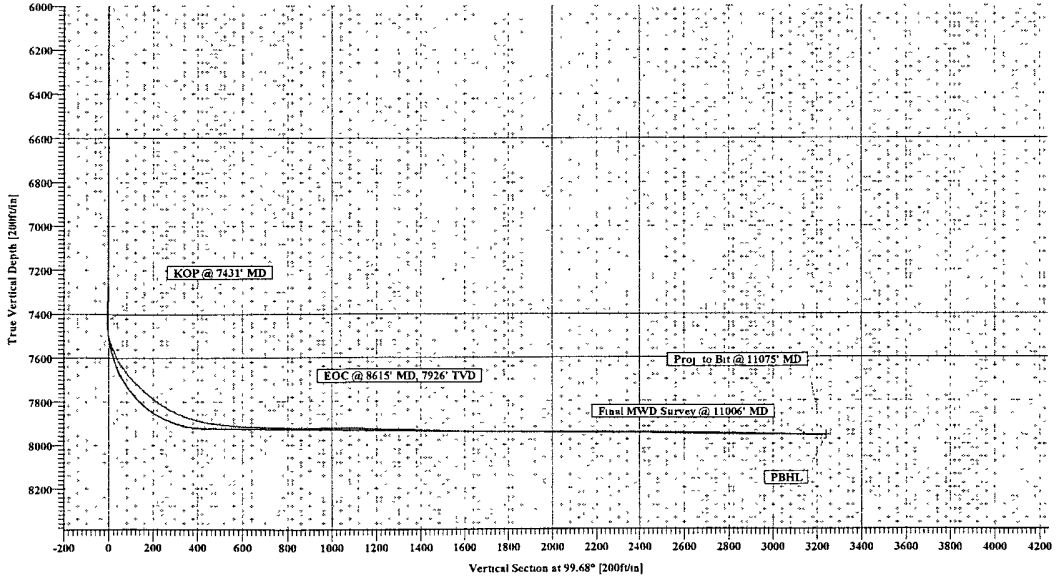
Field: Cypress 34 Fed #2H
Site: Cypress 34 Fed #2H
Well: Cypress 34 Fed #2H
Wellpath: OH
Survey: Pathfinder MWD

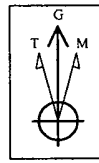
PATHFINDER

Survey Pathfinder MWD (Cypress 34 Fed #2H/OH)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
112	10785 00	88 29	81 62	7954 28	-543 46	2901 11	0 85	-107 11	2951 18
113	10817 00	88 37	81 44	7955 21	-538 75	2932 75	0 62	-66 03	2981 58
114	10849.00	88 20	81 35	7956 17	-533 96	2964 37	0 60	-152 11	3011 95
115	10881 00	87 49	80 74	7957 37	-528 99	2995 96	2 92	-139 36	3042 25
116	10913 00	87 41	80 83	7958 79	-523 87	3027 51	0 38	131 66	3072 49
117	10941.00	87 49	80 56	7960 04	-519 34	3055 12	1 00	-73 49	3098 95
118	10976 00	88 02	80 48	7961 41	-513 58	3089 61	1 53	-8 58	3131 98
119	11006 00	88 72	80 65	7962 26	-508 67	3119 20	2 40	13 65	3160 32
120	11075 00	88 72	80 65	7963 81	-497 46	3187 26	0 00	0 00	3225 53







Azimuths to Grid North
True North -0 19°
Magnetic North 8 06°

Magnetic Field
Strength 49048nT
Dip Angle 60 26°
Date 5/21/2007
Model igrf2005

SITE DETAILS

Cypress 34 Fed #2H

Site Centre Latitude 32°15'53 485N
Longitude 103°58'33 057W

Ground Level 3059 00
Positional Uncertainty 0 00
Convergence 0 19

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
LP	7926 00	-285 24	389 93	Point
PBHL	7961 00	-545 00	3196 00	Point

WELLPATH DETAILS

OH

Rig Ref Datum SITE 0 00ft

V Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
99 68°	0 00	0 00	0 00

ANNOTATIONS

No	TVD	MD	Annotation
1	7925 60	8615 00	EOC @ 8615' MD, 7926' TVD
2	7962 26	11006 00	Final MWD Survey @ 11006' MD
3	7963 81	11075 00	Proj to Bit @ 11075' MD
4	7430 32	7431 00	KOP @ 7431' MD

Survey Pathfinder MWD (Cypress 34 Fed #2H/OH)
Created By Derek Crocker Date 5/30/2007