

10/4/07 DATE IN	SUSPENSE	D. BROOKS ENGINEER	10/4/07 LOGGED IN	NSL TYPE	APP NO. PD50727758772
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



Pogo
Cyprus 34 Fed #2
5718

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

James Bruce
Signature

Attorney for Applicant
Title Date

jamesbruc@aol.com
e-mail Address

10/4/07

RECEIVED
2007 OCT 4 PM 3:35

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruce@aol.com

October 4, 2007

Hand delivered

Richard Ezeanyim
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Ezeanyim:

Pursuant to Division Rule 104.F(2), Pogo Producing Company applies for approval of an unorthodox oil well location for the following well:

<u>Well:</u>	Cypress "34" Fed. Well No. 1
<u>Surface Location:</u>	1400 feet FNL & 1800 feet FWL
<u>Top of Bone Spring:</u>	1423.38 feet FNL & 1796.40 feet FEL
<u>Terminus:</u>	1897.46 feet FNL & 292.74 feet FEL
<u>Well Unit (Project Area):</u>	SE $\frac{1}{4}$ NW $\frac{1}{4}$ and S $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 34, Township 23 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

The well was drilled as a horizontal well in the Bone Spring formation (Undesignated Cedar Canyon-Bone Spring Pool). The pool is spaced on 40 acres under the Division's statewide rules, with wells to be located no closer than 330 feet to a quarter-quarter section line. A Form C-102 is attached as Exhibit A.

The surface location was unorthodox due to hills and a draw further in the southern part of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 34. Exhibit B. The entry point in the Bone Spring is unorthodox (Exhibit C) due to the unorthodox surface location and the directional drilling program. However, as noted below, all of Section 34 is a single federal lease, and no interest owner was adversely affected thereby.

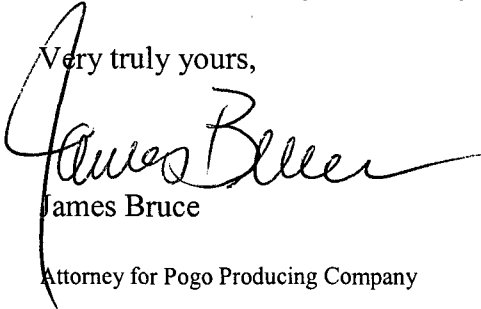
The terminus of the well was projected to be orthodox. Exhibit C. However, during drilling the well terminus ended up 292.74 feet from the east line of Section 34, and thus is slightly

unorthodox. Exhibits A and D. **Although the well's terminus is unorthodox, the end of the well's perforated interval is orthodox, at a location 1913.58 feet from the north line and 390.39 feet from the east line of Section 34.** Exhibit D.

Attached as Exhibit E is a land plat. All of Section 34 is subject to Federal Lease NM 86024, with common mineral and leasehold ownership. Exhibit F. Therefore, there is no adversely affected interest owner in the N½ of Section 34. The offsetting acreage in Section 35 is subject to Federal Lease NM 103141 (Exhibit G), owned by Animas Energy, LLC, The Allar Company, Talus, Inc., and Twin Montana, Inc. Notice of this application has been given to the offsets by copy of the letter attached as Exhibit H.

Please contact me if you need any further information on this application.

Very truly yours,

A handwritten signature in cursive script, appearing to read "James Bruce". The signature is written in dark ink and is positioned above the printed name "James Bruce".

James Bruce

Attorney for Pogo Producing Company

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35413	² Pool Code 11520	³ Pool Name Cedar Canyon Bone Spring
⁴ Property Code 35899	⁵ Property Name Cypress 34 Federal	⁶ Well Number 2
⁷ OGRID No. 017891	⁸ Operator Name Pogo Producing Company	⁹ Elevation 3059

CONFIDENTIAL

¹⁰ Surface Location

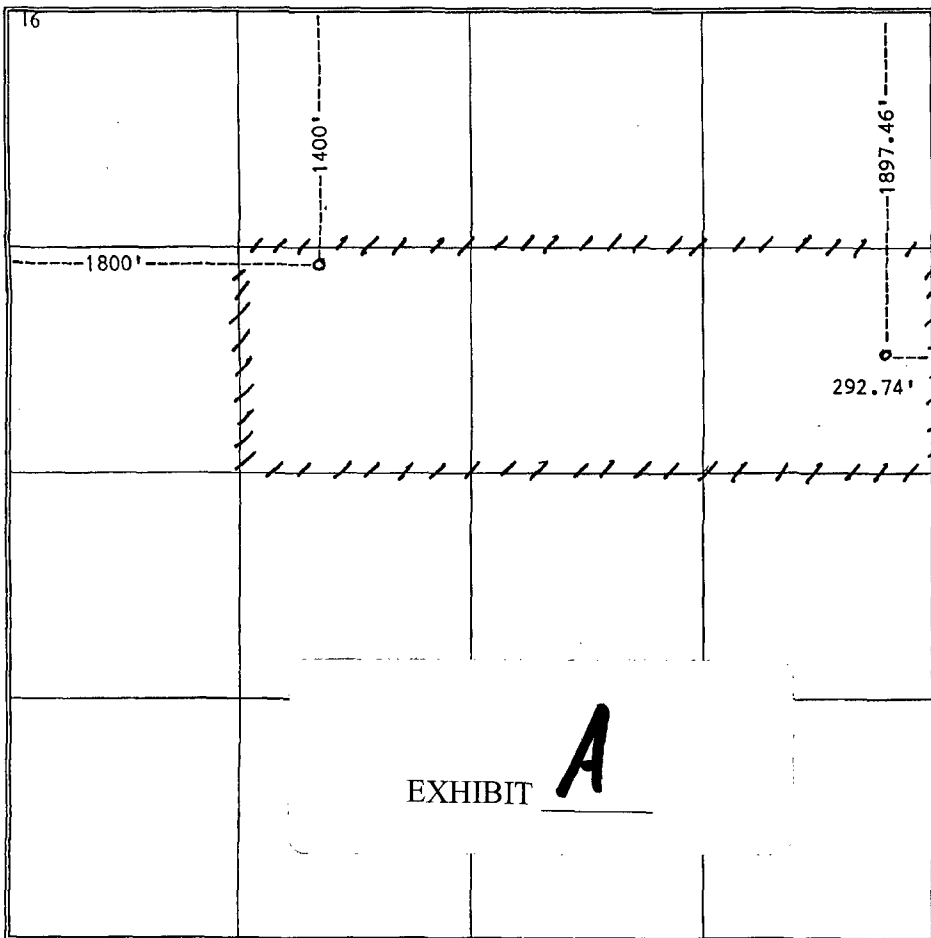
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	23S	29E		1400	North	1800	West	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	23S	29E		1897.46	North	292.74	East	Eddy

¹² Dedicated Acres 120	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <i>Cathy Wright</i> 06/27/07 Signature Date Cathy Wright Printed Name
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number

SECTION 34, TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

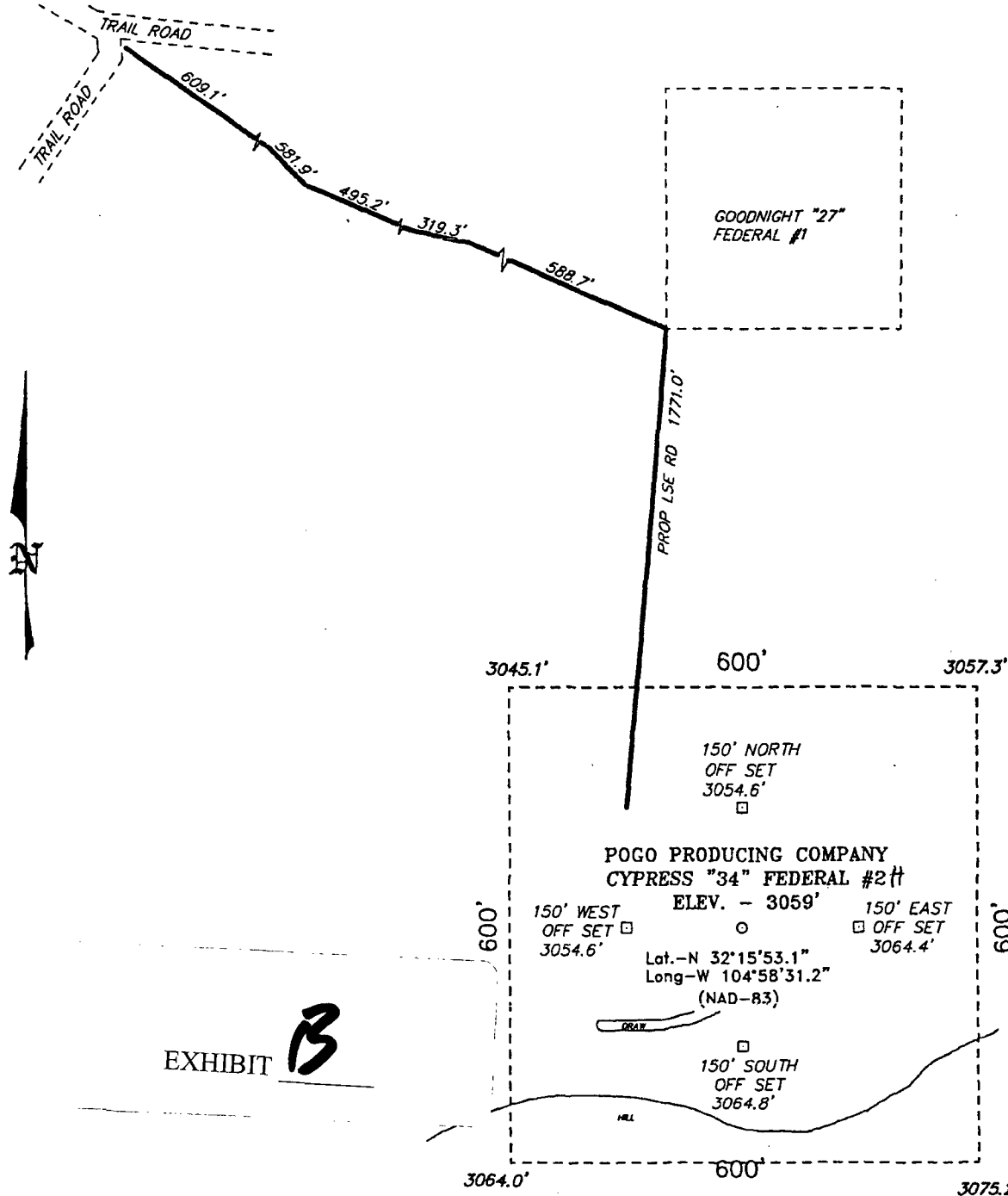


EXHIBIT **B**

200 0 200 400 FEET

SCALE: 1" = 200'

Directions to Location:

FROM THE JUNCTION OF CO. RD. 793 (RAWHIDE)
AND STATE HWY 128, PROCEED SOUTH 3.1 MILE TO
END OF PAVEMENT; THENCE WEST 3.3 MILE; THENCE
SOUTH 0.4 MILE TO PROPOSED LEASE ROAD.

POGO PRODUCING CO.

REF: CYPRESS "34" FEDERAL #2 Well Pad Topo

THE CYPRESS "34" FEDERAL #2 LOCATED 1400' FROM
THE NORTH LINE AND 1800' FROM THE WEST LINE OF
SECTION 34, TOWNSHIP 23 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 7073 Drawn By: J. SMALL

Date: 06-22-2006 Disk: JMS 7073W

Survey Date: 06-21-2006

Sheet 1 of 1 Sheets

DISTRICT II
1901 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

STATE OF NEW MEXICO
Energy, Minerals and Natural Resources Department

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 11520	Pool Name Cedar Canyon, -BONE SPRING
Property Code	Property Name CYPRESS "34" FEDERAL	Well Number 2
OCRD No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3059'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	34	23 S	29 E		1400	NORTH	1800	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	23 S	29 E		1980	NORTH	330	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Point of formation entry 1504' ENL & 2367' FWL SURFACE LOCATION LAT - N32°15'53.1" LONG - W104°58'31.2" (NAD-83) BOTTOM HOLE LOCATION LAT - N32°45'47.6" LONG - W103°57'54.0" (NAD-83) PROJECT AREA PRODUCING AREA	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division. Signature: <i>Joe T. Janica</i> Date: 10/10/06 Printed Name: Joe T. Janica Agent
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. Date Surveyed: JUNE 21, 2005 Signature & Seal of Professional Surveyor: <i>Gary L. Jones</i> Certificate No. Gary L. Jones: 7977

EXHIBIT C

EXHIBIT "A"

Pathfinder Energy

Survey Report

Company: Pogo Field: Cypress 34 Fed #2H Site: Cypress 34 Fed #2H Well: Cypress 34 Fed #2H Wellpath: OH		Date: 5/30/2007 Time: 11:46:32 Page: 1 Co-ordinate(NE) Reference: Site: Cypress 34 Fed #2H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,99.68Azi) Survey Calculation Method: Minimum Curvature Db: Sybase								
Field: Cypress 34 Fed #2H Sec 34, T23S, R29E										
Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level		Map Zone: New Mexico, Eastern Zone Coordinate System: Site Centre Geomagnetic Model: igrf2005								
Site: Cypress 34 Fed #2H										
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 3059.00 ft		Northing: 460272.98 ft Latitude: 32 15 53.485 N Easting: 651835.16 ft Longitude: 103 58 33.057 W North Reference: Grid 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										
Wellpath: OH Current Datum: SITE Height 0.00 ft Magnetic Data: 5/21/2007 Field Strength: 49048 nT Vertical Section: Depth From (TVD) ft		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.25 deg Mag Dip Angle: 60.26 deg +E/-W ft Direction deg								
0.00		99.68								
Survey: Pathfinder MWD Company: Pathfinder Energy Tool:		Start Date: 5/22/2007 Engineer: 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	28.03	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	

EXHIBIT

D

Pathfinder Energy Survey Report

Company: Pogo
Field: Cypress 34 Fed #2H
Site: Cypress 34 Fed #2H
Well: Cypress 34 Fed #2H
Wellpath: OH

Date: 5/30/2007 Time: 11:46:32 Page: 2
Co-ordinate(NE) Reference: Site: Cypress 34 Fed #2H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,99.68Azi)
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	1763.96	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(N/E) 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

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 interval
 on the day

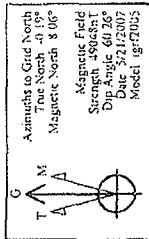
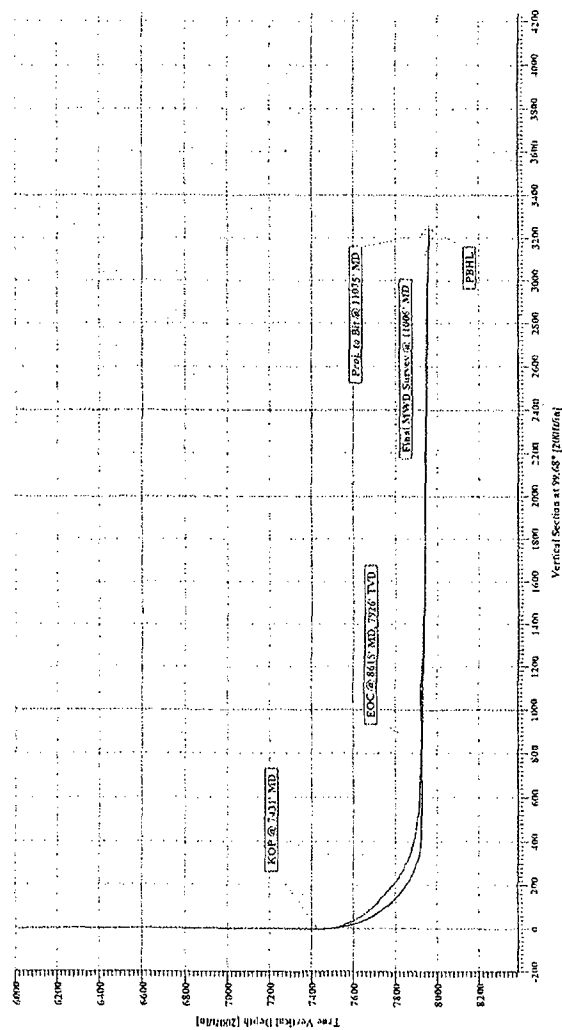
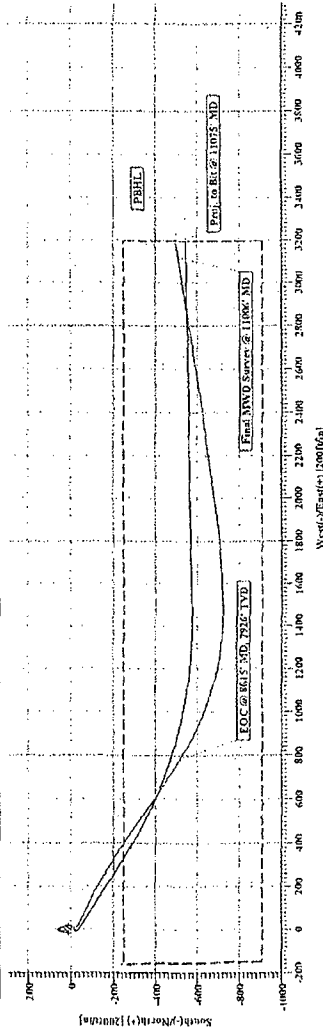


POGO PRODUCING
COMPANY

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	88.39	81.63	7954.28	-443.46	2901.11	0.85	-107.11	2051.18
113	10817.00	88.37	81.44	7955.21	-538.75	2932.75	0.62	-66.03	2081.38
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	-525.87	3027.51	0.33	131.66	3072.49
117	10941.00	87.49	80.36	7960.04	-519.34	3055.12	1.00	-73.49	3094.95
118	10969.00	88.22	80.65	7961.14	-508.68	3082.54	1.36	14.88	3116.38
119	11006.00	88.72	80.65	7962.36	-508.67	3119.20	2.40	15.63	3140.32
120	11075.00	88.72	80.65	7963.81	-497.45	3187.26	0.60	0.00	3223.55



SITE DETAILS

Cypress 34 Fed #2H
Site Centre Latitude 32°15'53.483N
Longitude 107°58'33.057W
Ground Level 3039.00
Positional Uncertainty 0.00
Convergence 0.19

TARGET DETAILS

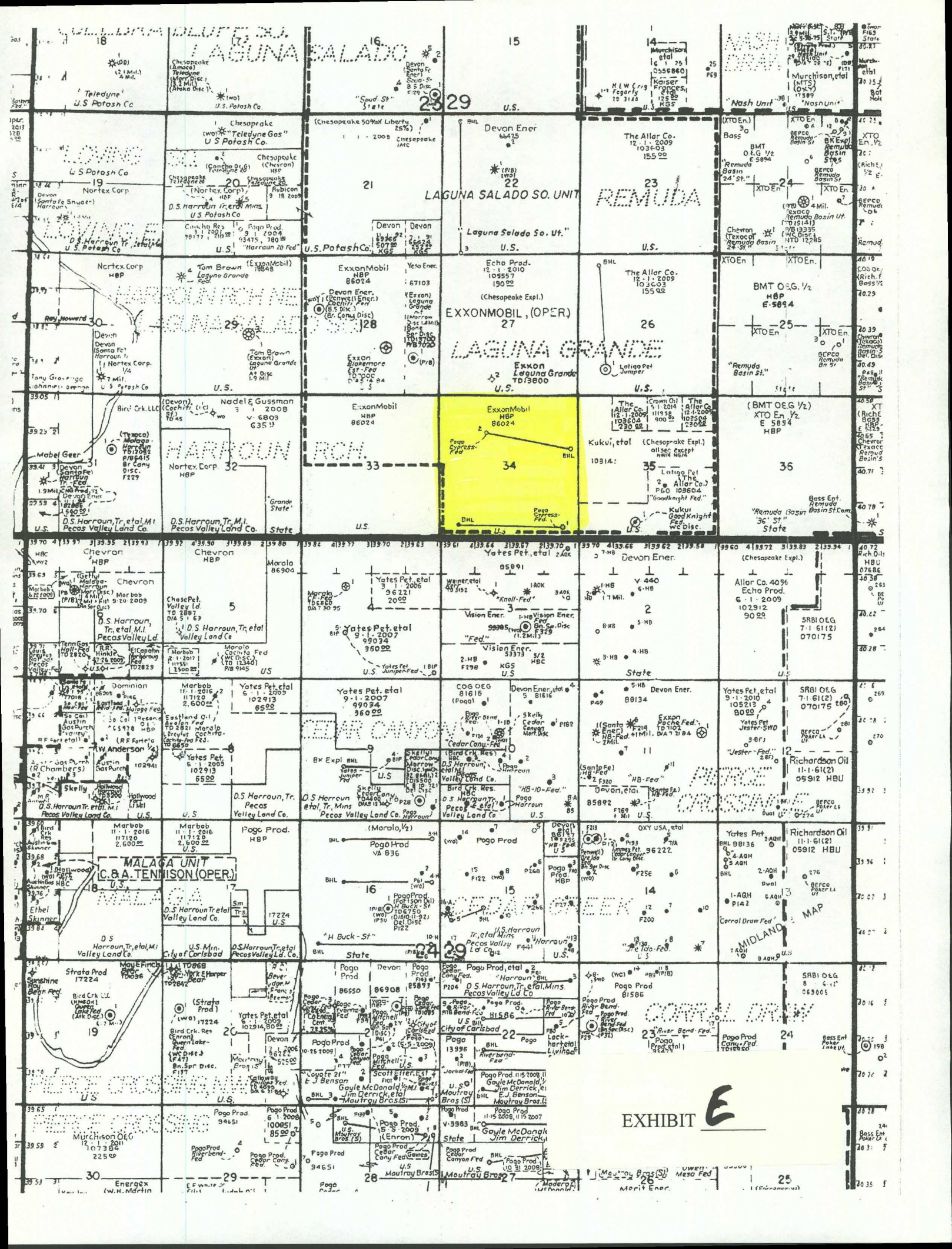
Name	TVD	+N/S	+E/W	Shape
LP	7926.00	-285.24	389.93	Point
PHL	7961.00	-545.00	3196.00	Point

WELLPATH DETAILS

Ref	Datum	Rig	OH	SITE	0.000
V	Section	Angle	Origin	From	TVD
99.68°	0.00	0.00	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	From to Bit @ 11075 MD
4	7430.32	7431.00	KOP @ 7431 MD



**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

RunDate/Time: 10/04/07 11:55 AM

Page 1 of 2

01 02-25-1920;041STAT0437;30USC181ETSEQ
Case Type 311211: O&G LSE SIMO PUBLIC LAND
Commodity 459: OIL & GAS L
Case Disposition: AUTHORIZED

Total Acres
1,440.000

Serial Number
NMNM-- - 086024

Serial Number: NMNM-- - 086024

Name & Address

Int Rel % Interest

EXXONMOBIL OIL CORP	PO BOX 4358	HOUSTON TX 772104358	OPERATING RIGHTS	0.000000000
EXXONMOBIL OIL CORP	PO BOX 4358	HOUSTON TX 772104358	LESSEE	100.000000000
PENWELL ENERGY INC	600 N MARIENFELD #1100	MIDLAND TX 79701	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 086024

Mer Twp Rng Sec	STyp SNr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23 0230S 0290E 028	ALIQ	W2E2,W2;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT
23 0230S 0290E 033	ALIQ	N2;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT
23 0230S 0290E 034	ALIQ	ALL;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 086024
Pending Office

Act Date	Code	Action	Action Remarks
10/22/1973	387	CASE ESTABLISHED	SPAR52;
05/01/1974	496	FUND CODE	05;145003
05/01/1974	530	RLTY RATE - 12 1/2%	
05/01/1974	868	EFFECTIVE DATE	
03/27/1976	500	GEOGRAPHIC NAME	UNDEFINED FLD;
03/27/1976	510	KMA CLASSIFIED	
06/15/1976	315	RENTAL RATE DET/ADJ	\$2.00;
09/13/1976	512	KMA EXPANDED	
06/27/1990	209	CASE CREATED BY SEGR	OUT OF NMNM19848;
06/27/1990	232	LEASE COMMITTED TO UNIT	NMNM82520X;LAGUNA SAL
06/27/1990	647	MEMO OF LAST PROD-ALLOC	NMNM19848;
06/27/1990	648	EXT BY PROD ON ASSOC LSE	NMNM19848;
02/26/1991	653	HELD BY LOC IN PROD UNIT	NMNM82520X;
12/02/1992	974	AUTOMATED RECORD VERIF	CM/JS
12/21/1992	963	CASE MICROFILMED	CNUM 569,689 JMV
12/29/1992	111	RENTAL RECEIVED	\$1440.00;11/710305
04/16/1993	111	RENTAL RECEIVED	\$1440.00;21/179895
04/19/1994	111	RENTAL RECEIVED	\$1440.00;21/185920
08/01/1994	235	EXTENDED	08/01/96;
08/01/1994	336	UNIT AGRMT TERMINATED	NMNM82520X;LAGUNA SAL
04/24/1995	084	RENTAL RECEIVED BY MMS	\$1440.00;21/000000500
04/24/1996	084	RENTAL RECEIVED BY MMS	\$1440.00;21/000000503
10/24/1996	974	AUTOMATED RECORD VERIF	GAG;
04/21/1997	084	RENTAL RECEIVED BY MMS	\$2880.00;21/000000506
05/29/1997	932	TRF OPER RGTS FILED	EXXON/PENWELL ENE
07/08/1997	933	TRF OPER RGTS APPROVED	EFF 06/01/97;
07/08/1997	974	AUTOMATED RECORD VERIF	MV/MV
01/15/1998	575	APD FILED	
02/23/1998	576	APD APPROVED	#1 COCHITI "28" FED
04/17/1998	084	RENTAL RECEIVED BY MMS	\$2880.00;21/000000508

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PURPOSES NOT INTENDED BY BLM**

EXHIBIT

F

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

RunDate/Time: 10/04/07 11:55 AM

Page 2 of 2

01 02-25-1920;041STAT0437;30USC181ETSEQ
Case Type 311211: O&G LSE SIMO PUBLIC LAND
Commodity 459: OIL & GAS L
Case Disposition: AUTHORIZED

Total Acres
1,440.000

Serial Number
NMNM-- - 086024

10/29/1998	650	HELD BY PROD - ACTUAL	
01/14/1999	643	PRODUCTION DETERMINATION	
01/14/1999	658	MEMO OF 1ST PROD-ACTUAL	
01/25/1999	899	TRF OF ORR FILED	
02/10/1999	932	TRF OPER RGTS FILED	PENWELL/CONCHO
02/26/1999	933	TRF OPER RGTS APPROVED	EFF 03/01/99;
02/26/1999	974	AUTOMATED RECORD VERIF	JLV
05/19/2000	940	NAME CHANGE RECOGNIZED	EXXON/EXXON MOBIL
06/02/2000	932	TRF OPER RGTS FILED	CONCHO/EXXON MOBIL
08/23/2000	933	TRF OPER RGTS APPROVED	EFF 07/01/00;
08/23/2000	974	AUTOMATED RECORD VERIF	MV/MV
06/04/2007	899	TRF OF ORR FILED	1
06/04/2007	899	TRF OF ORR FILED	2
09/28/2007	899	TRF OF ORR FILED	1

Line Nr	Remarks	Serial Number: NMNM-- - 086024
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0002	NMNM86024 IS EXTENDED AS LONG AS NMNM19848 EXISTS.
0003	08/23/2000 EXXON MOBIL CORP ES0534/NW

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

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01 08-07-1947;061STAT0913;30USC351
Case Type 318110: O&G CMPNS RLTY AGRMT
Commodity 459: OIL & GAS L
Case Disposition: AUTHORIZED

Total Acres
280.000

Serial Number
NMNM-- - 103141

Serial Number: NMNM-- - 103141

Name & Address			Int Rel % Interest	
ANIMAS ENERGY LLC	PO BOX 737	IGNACIO CO 81137	OPERATOR	60.000000000
BLM ROSWELL FO	2909 W 2ND ST	ROSWELL NM 88201	OFFICE OF RECORD	
TALUS INC	PO BOX 1210	GRAHAM TX 76450	OPERATOR	10.000000000
THE ALLAR CO	PO BOX 1567	GRAHAM TX 76450	OPERATOR	20.000000000
TWIN MONTANA INC	BOX 1210	GRAHAM TX 76450	OPERATOR	10.000000000

Serial Number: NMNM-- - 103141

Mer Twp	Rng	Sec	SType	SNr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23 0230S	0290E	035	ALIQ		NWNW,S2N2,N2SW;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 103141
Pending Office

Act Date	Code	Action	Action Remarks
12/23/1999	580	PROPOSAL RECEIVED	
01/07/2000	267	BID RECEIVED	\$35,200;
01/10/2000	334	AGRMT APPROVED	
01/10/2000	387	CASE ESTABLISHED	
01/10/2000	496	FUND CODE	05;145003
01/10/2000	530	RLTY RATE - 12 1/2%	
01/10/2000	868	EFFECTIVE DATE	
01/24/2000	974	AUTOMATED RECORD VERIF	AL
08/10/2000	246	LEASE COMMITTED TO CA	NMNM105320;
08/10/2000	651	HELD BY PROD - ALLOCATED	
08/10/2000	660	MEMO OF 1ST PROD-ALLOC	/1/
10/10/2000	643	PRODUCTION DETERMINATION	/1/ NMNM105320
10/13/2000	899	TRF OF ORR FILED	
11/15/2000	932	TRF OPER RGTS FILED	ECHO PROD/KUKUI INC
12/18/2000	379	REFUND AUTHORIZED	\$4400.00;
12/18/2000	974	AUTOMATED RECORD VERIF	LBO
01/19/2001	933	TRF OPER RGTS APPROVED	EFF 12/01/00;
01/19/2001	974	AUTOMATED RECORD VERIF	MV/MV
04/30/2003	817	MERGER RECOGNIZED	KUKUI INC/ANIMAS ENE
06/27/2003	932	TRF OPER RGTS FILED	ANIMAS ENERGY LLC
08/15/2003	932	TRF OPER RGTS FILED	TALUS INC
08/15/2003	932	TRF OPER RGTS FILED	THE ALLAR CO
08/15/2003	932	TRF OPER RGTS FILED	TWIN MONTANA INC
09/15/2003	932	TRF OPER RGTS FILED	ANIMAS ENERGY LLC
07/12/2004	932	TRF OPER RGTS FILED	SAGA PETRO/LATIGO
09/23/2005	957	TRF OPER RGTS DENIED	ALLAR CO/CHESAPEAKE
09/23/2005	957	TRF OPER RGTS DENIED	TALUS INC/CHESAPEAKE
09/23/2005	957	TRF OPER RGTS DENIED	TWIN MONTANA/CHESAPEA
09/23/2005	974	AUTOMATED RECORD VERIF	LR
10/05/2005	957	TRF OPER RGTS DENIED	06/27/03 OR ASGN;

EXHIBIT

G

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

RunDate/Time: 10/04/07 11:56 AM

Page 2 of 2

01 08-07-1947;061STAT0913;30USC351

Case Type 318110: O&G CMPNS RLTY AGRMT

Total Acres
280.000

Serial Number
NMNM-- - 103141

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

10/05/2005	957	TRF OPER RGTS DENIED	09/15/03 OR ASGN;
10/05/2005	974	AUTOMATED RECORD VERIF	MV
12/08/2006	932	TRF OPER RGTS FILED	LATIGO PE/CHEVRON M;1
02/12/2007	933	TRF OPER RGTS APPROVED	EFF 01/01/07;
02/12/2007	974	AUTOMATED RECORD VERIF	MV
01/09/2009	763	EXPIRES	

Line Nr	Remarks	Serial Number: NMNM-- - 103141
0002	ECHO PROD INC SUBMITTED BID FOR 320.00 ACRES;	
0003	ONLY 280.00 ACRES AVAILABLE, REFUNDED \$4400.00;	
0004	FOR 40.00 ACRES @ \$110.00 PER ACRE;	

NO WARRANTY IS MADE BY BLM
FOR USE OF THE DATA FOR
PURPOSES NOT INTENDED BY BLM

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

October 4, 2007

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

The Allar Company
P.O. Box 1567
Graham, Texas 76450

Talus, Inc.
P.O. Box 1210
Graham, Texas 76450

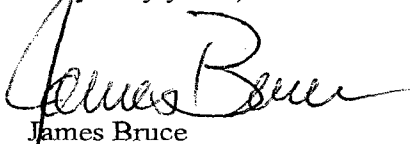
Twin Montana, Inc.
P.O. Box 1210
Graham, Texas 76450

Animas Energy, LLC
P.O. Box 737
Ignacio, Colorado 81137

Ladies and gentlemen

Enclosed is a copy of an application, filed by Pogo Producing Company with the New Mexico Oil Conservation Division, seeking an unorthodox oil well location for a well in Section 34, Township 23 South, Range 29 East, NMPM, Eddy County, New Mexico. If you object to the location you must notify the Division in writing within 20 days from the date of this letter (1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Pogo Producing Company

EXHIBIT

H