

UNITED STATES **OCD-ARTESIA**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

MAR 25 2008

OCD-ARTESIA**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
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Pogo Producing Company3a. Address
P. O. Box 10340, Midland, TX 79702-73403b. Phone No. (include area code)
432-685-8100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

820' FSL & 990' FWL, Section 22, T24S, R29E

5. Lease Serial No
NM-13996

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No
Gaines 22 Federal #19. API Well No.
30-015-3518610. Field and Pool, or Exploratory Area
Pierce 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	
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilg operations	
	☐ 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.)

Spud & Set Surface Csg - MIRU Patterson #78. Spud well @ 21:00 hrs 11/15/06. Drld 17-1/2" hole to 557'. TD reached @ 14:30 hrs 11/16/06. Ran 13 jts 13-3/8" 48# ST&C csg. Cmt'd w/ 300 sks 35:65 "C" @ 12.5 ppg followed by 200 sks CI C + 2% CaCl2 @ 14.8 ppg. Circ 165 sks to surface. WOC 24 hrs. Make cut-off. Install WH. NU BOP and test to 1000#. Test csg to 1000# for 30 mins.

Intermediate Csg - Drld 12-1/4" hole to 2902'. TD reached @ 20:00 hrs 11/22/06. Ran 69 jts 9-5/8" 36# J-55 LT&C csg. Cmt'd w/ 975 sks 35:65:6 CI C @ 12.4 ppg followed by 200 sks CI C + 1% CaCl2 @ 14.8 ppg. TOC @ 1846'. Make cut-off. Install WH. NU BOP & test to 5000#. Test csg to 1000# for 30 mins.

TD & Prod Csg - Drld 8-1/2" hole to 5898'. Pump 200 sk CI H cmt plug. Cont drlg 8-1/2" - 7-7/8" hole to 10,752'. TD reached @ 18:30 hrs 12/12/06. Ran 261 jts 5-1/2" 17# N-80 LT&C & BT&C csg. Cmt'd w/ 2300 sks CI C + add @ 14.9 ppg. CBL ran 12/20/06. TOC @ 1700'. Test csg to 5000# for 15 mins.

14. Thereby certify that the foregoing is true and correct
Name (Printed/Typed)

Cathy Wright

Title Sr. Eng Tech

Signature

Cathy Wright

Date

01/05/07

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

JAN 30 2007

WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

Accepted for record - NMOCB

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 June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35186	² Pool Code 57301	³ Pool Name Pierce Crossing Bone Spring
⁴ Property Code	⁵ Property Name Gaines 22 Federal	⁶ Well Number 1
⁷ OGRID No. 017891	⁸ Operator Name Pogo Producing Company	⁹ Elevation 2931'

CONFIDENTIAL¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	24S	29E		820	South	990	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
0	21	24S	29E		677	South	2295	East	Eddy

¹² Dedicated Acres 120	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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

Section 21 Section 22 Producing Area Project Area	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Cathy Wright Printed Name Sr. Eng Tech Title and E-mail Address 01/05/07 Date
	¹⁸ SURVEYOR CERTIFICATION <i>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</i> Date of Survey Signature and Seal of Professional Surveyor. Certificate Number

OPERATOR
WELL/LEASE
COUNTY

Pogo Producing Company
Gaines 22 Fed. #1
Eddy, NM

078-0046

STATE OF NEW MEXICO
DEVIATION REPORT

279	1.00
833	1.00
1,150	1.00
1,524	1.00
1,812	1.00
2,110	2.75
2,260	2.75
2,356	2.75
2,558	2.75
2,686	2.50
2,846	2.00
3,295	0.75
3,772	0.25
4,229	0.50
4,730	1.00
5,188	1.00
5,666	1.00
6,144	1.25
6,657	0.50

RECEIVED

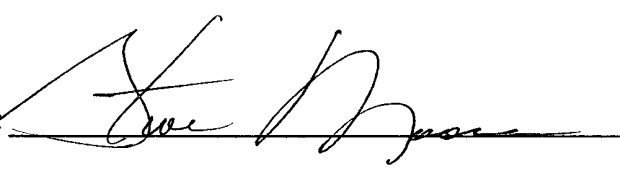
DEC 27 2006

MIDLAND

CONFIDENTIAL

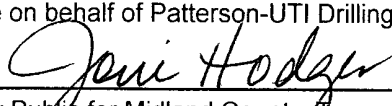
STATE OF TEXAS

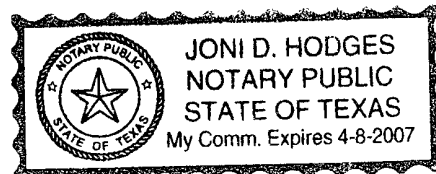
COUNTY OF MIDLAND

BY: 

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

December 19, 2006, by Steve


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



Pathfinder Energy

Survey Report

Company: Pogo Field: Eddy County, NM NAD-27 Site: Pierce Cossing Bone Spring Well: Gaines 22 Fed #1 Wellpath: OH	Date: 12/13/2006 Time: 08:04:43 Page: 1 Co-ordinate(N/E) Reference: Well: Gaines 22 Fed #1, Grid North Vertical (TVD) Reference: SITE 2931.0 Section (VS) Reference: Well (0.00N,0.00E,267.22Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	---

Field: Eddy County, NM NAD-27

CONFIDENTIAL

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Pierce Cossing Bone Spring

Site Position:	Northing: 435862.30 ft	Latitude: 32 11 52.084 N
From: Map	Easting: 610164.70 ft	Longitude: 103 58 37.890 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 2931.00 ft		Grid Convergence: 0.19 deg

Well: Gaines 22 Fed #1

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 435862.30 ft	Latitude: 32 11 52.084 N
+E/-W 0.00 ft	Easting: 610164.70 ft	Longitude: 103 58 37.890 W
Position Uncertainty: 0.00 ft		

Wellpath: OH

Current Datum: SITE	Height: 2931.00 ft	Drilled From: Surface
Magnetic Data: 11/29/2006		Tie-on Depth: 0.00 ft
Field Strength: 49053 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)		Declination: 8.30 deg
ft	+N/-S ft	Mag Dip Angle: 60.21 deg
	+E/-W ft	Direction
		deg
0.00	0.00	267.22

Survey: Pathfinder Surveys

Start Date: 12/4/2006

Company: Pathfinder Energy

Engineer: Midwellplan
Tied-to: From: Definitive Path

Survey: Pathfinder Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	1.32	235.35	6597.98	-48.10	-29.89	32.18	0.00	0.00	0.00	Tie-In to Gyro
6700.00	1.67	248.05	6697.94	-49.30	-32.19	34.54	0.48	0.35	12.70	
6800.00	3.25	282.33	6797.85	-49.24	-36.31	38.65	2.09	1.58	34.28	
6900.00	3.08	279.78	6897.70	-48.18	-41.73	44.01	0.22	-0.17	-2.55	
7000.00	3.61	285.58	6997.53	-46.88	-47.41	49.62	0.63	0.53	5.80	
7100.00	4.22	267.12	7097.30	-46.22	-54.11	56.29	1.39	0.61	-18.46	
7164.00	4.31	257.10	7161.13	-46.87	-58.81	61.01	1.17	0.14	-15.66	
7195.00	4.57	258.16	7192.03	-47.39	-61.15	63.38	0.88	0.84	3.42	
7226.00	5.98	260.71	7222.90	-47.90	-63.96	66.20	4.61	4.55	8.23	
7251.19	7.92	261.08	7247.90	-48.38	-66.96	69.23	7.69	7.69	1.47	KOP @ 7251' MD / 7249'
7258.00	8.44	261.15	7254.64	-48.53	-67.92	70.19	7.69	7.69	1.04	
7289.00	10.90	262.29	7285.20	-49.27	-73.07	75.38	7.96	7.94	3.68	
7321.00	13.28	263.87	7316.49	-50.07	-79.73	82.06	7.51	7.44	4.94	
7354.00	15.74	264.14	7348.44	-50.94	-87.95	90.31	7.46	7.45	0.82	
7385.00	17.85	264.58	7378.11	-51.81	-96.86	99.26	6.82	6.81	1.42	
7416.00	20.49	264.40	7407.39	-52.79	-107.00	109.43	8.52	8.52	-0.58	
7448.00	23.04	265.45	7437.11	-53.84	-118.81	121.28	8.06	7.97	3.28	
7480.00	25.59	266.77	7466.27	-54.72	-131.96	134.45	8.15	7.97	4.12	
7512.00	28.93	266.86	7494.71	-55.53	-146.59	149.11	10.44	10.44	0.28	
7544.00	32.01	265.98	7522.28	-56.55	-162.78	165.33	9.73	9.62	-2.75	
7576.00	35.53	265.37	7548.88	-57.90	-180.52	183.11	11.05	11.00	-1.91	
7607.00	38.60	263.08	7573.62	-59.79	-199.10	201.76	10.86	9.90	-7.39	
7639.00	42.12	261.23	7598.00	-62.63	-219.62	222.40	11.62	11.00	-5.78	
7670.00	46.43	260.53	7620.19	-66.07	-240.98	243.90	13.99	13.90	-2.26	

Pathfinder Energy

Survey Report

Company: Pogo Field: Eddy County, NM NAD-27 Site: Pierce Crossing Bone Spring Well: Gaines 22 Fed #1 Wellpath: OH	Date: 12/13/2006 Time: 08:04:43 Page: 2 Co-ordinate(N/E) Reference: Well: Gaines 22 Fed #1, Grid North Vertical (TVD) Reference: SITE 2931.0 Section (VS) Reference: Well (0.00N,0.00E,267.22Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
--	---

Survey: Pathfinder Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7702.00	50.83	260.36	7641.33	-70.05	-264.66	267.74	13.76	13.75	-0.53	
7734.00	55.05	259.92	7660.61	-74.43	-289.81	293.08	13.23	13.19	-1.37	
7766.00	59.97	259.92	7677.80	-79.15	-316.38	319.84	15.37	15.37	0.00	
7799.00	64.81	259.83	7693.09	-84.29	-345.16	348.83	14.67	14.67	-0.27	
7831.00	69.82	259.92	7705.42	-89.48	-374.21	378.11	15.66	15.66	0.28	
7863.00	74.57	259.74	7715.20	-94.86	-404.19	408.31	14.85	14.84	-0.56	
7894.00	79.49	259.74	7722.16	-100.24	-433.91	438.25	15.87	15.87	0.00	
7926.00	85.12	260.71	7726.44	-105.62	-465.15	469.72	17.85	17.59	3.03	
7957.00	88.64	260.53	7728.13	-110.66	-495.68	500.46	11.37	11.35	-0.58	
7989.00	89.43	260.36	7728.67	-115.97	-527.23	532.23	2.53	2.47	-0.53	
8021.00	90.13	260.71	7728.79	-121.23	-558.80	564.01	2.45	2.19	1.09	
8053.00	90.84	261.76	7728.52	-126.11	-590.42	595.84	3.96	2.22	3.28	
8085.00	91.19	262.29	7727.95	-130.55	-622.11	627.70	1.98	1.09	1.66	
8117.00	91.36	262.38	7727.24	-134.81	-653.81	659.58	0.60	0.53	0.28	
8149.00	91.54	262.38	7726.43	-139.06	-685.52	691.45	0.56	0.56	0.00	
8181.00	91.71	262.29	7725.53	-143.32	-717.22	723.32	0.60	0.53	-0.28	
8213.00	91.89	262.99	7724.52	-147.42	-748.94	755.20	2.26	0.56	2.19	
8245.00	92.07	264.49	7723.41	-150.91	-780.73	787.12	4.72	0.56	4.69	
8276.00	92.15	264.66	7722.27	-153.84	-811.57	818.07	0.61	0.26	0.55	
8308.00	92.24	264.40	7721.05	-156.88	-843.40	850.01	0.86	0.28	-0.81	
8340.00	92.33	264.75	7719.77	-159.91	-875.23	881.95	1.13	0.28	1.09	
8372.00	92.15	265.89	7718.52	-162.52	-907.10	913.91	3.60	-0.56	3.56	
8404.00	91.98	266.60	7717.37	-164.61	-939.01	945.88	2.28	-0.53	2.22	
8436.00	91.71	267.48	7716.34	-166.26	-970.95	977.87	2.88	-0.84	2.75	
8468.00	91.63	267.65	7715.40	-167.62	-1002.91	1009.85	0.59	-0.25	0.53	
8500.00	91.54	267.48	7714.52	-168.98	-1034.87	1041.84	0.60	-0.28	-0.53	
8531.00	91.45	268.27	7713.71	-170.13	-1065.84	1072.83	2.56	-0.29	2.55	
8563.00	91.45	268.71	7712.90	-170.97	-1097.82	1104.81	1.37	0.00	1.37	
8595.00	91.89	269.41	7711.97	-171.50	-1129.80	1136.78	2.58	1.37	2.19	
8627.00	91.98	269.76	7710.89	-171.73	-1161.78	1168.73	1.13	0.28	1.09	
8659.00	91.98	270.90	7709.78	-171.54	-1193.76	1200.67	3.56	0.00	3.56	
8691.00	92.07	271.43	7708.65	-170.89	-1225.73	1232.57	1.68	0.28	1.66	
8723.00	92.42	271.61	7707.40	-170.05	-1257.70	1264.46	1.23	1.09	0.56	
8755.00	92.68	271.52	7705.97	-169.17	-1289.65	1296.33	0.86	0.81	-0.28	
8787.00	92.68	270.99	7704.48	-168.47	-1321.61	1328.22	1.65	0.00	-1.66	
8819.00	93.12	271.34	7702.86	-167.82	-1353.56	1360.10	1.76	1.37	1.09	
8851.00	92.86	271.08	7701.19	-167.15	-1385.51	1391.98	1.15	-0.81	-0.81	
8883.00	92.33	270.20	7699.74	-166.79	-1417.48	1423.89	3.21	-1.66	-2.75	
8915.00	92.15	269.50	7698.49	-166.88	-1449.45	1455.83	2.26	-0.56	-2.19	
8947.00	91.71	269.14	7697.41	-167.25	-1481.43	1487.79	1.78	-1.37	-1.12	
9012.00	90.13	270.64	7696.37	-167.38	-1546.42	1552.71	3.35	-2.43	2.31	
9076.00	90.22	270.99	7696.17	-166.47	-1610.41	1616.58	0.56	0.14	0.55	
9140.00	90.04	271.08	7696.03	-165.31	-1674.40	1680.44	0.31	-0.28	0.14	
9203.00	90.13	271.43	7695.93	-163.93	-1737.39	1743.29	0.57	0.14	0.56	
9267.00	90.31	271.34	7695.69	-162.39	-1801.37	1807.12	0.31	0.28	-0.14	
9331.00	90.57	270.82	7695.20	-161.18	-1865.35	1870.97	0.91	0.41	-0.81	
9394.00	90.66	270.82	7694.52	-160.28	-1928.34	1933.84	0.14	0.14	0.00	
9458.00	90.75	270.29	7693.73	-159.66	-1992.34	1997.73	0.84	0.14	-0.83	
9522.00	90.84	269.85	7692.85	-159.58	-2056.33	2061.64	0.70	0.14	-0.69	
9586.00	91.01	269.50	7691.81	-159.94	-2120.32	2125.58	0.61	0.27	-0.55	
9650.00	89.78	271.43	7691.37	-159.42	-2184.31	2189.47	3.58	-1.92	3.02	
9714.00	89.78	271.52	7691.62	-157.78	-2248.29	2253.29	0.14	0.00	0.14	
9778.00	89.87	271.69	7691.81	-155.98	-2312.26	2317.11	0.30	0.14	0.27	

Pathfinder Energy

Survey Report

Company: Pogo
Field: Eddy County, NM NAD-27
Site: Pierce Crossing Bone Spring
Well: Gaines 22 Fed #1
Wellpath: OH

Date: 12/13/2006 **Time:** 08:04:43 **Page:** 3
Co-ordinate(NE) Reference: Well: Gaines 22 Fed #1, Grid North
Vertical (TVD) Reference: SITE 2931.0
Section (VS) Reference: Well (0.00N,0.00E,267.22Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: Pathfinder Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9842.00	89.96	271.17	7691.91	-154.39	-2376.24	2380.93	0.82	0.14	-0.81	
9906.00	89.69	271.96	7692.10	-152.64	-2440.22	2444.75	1.30	-0.42	1.23	
9970.00	89.78	272.13	7692.40	-150.36	-2504.18	2508.52	0.30	0.14	0.27	
10034.00	90.66	272.40	7692.15	-147.83	-2568.13	2572.27	1.44	1.37	0.42	
10099.00	91.63	272.40	7690.85	-145.10	-2633.06	2636.99	1.49	1.49	0.00	
10162.00	92.42	271.96	7688.63	-142.71	-2695.97	2699.72	1.44	1.25	-0.70	
10226.00	92.68	271.34	7685.78	-140.87	-2759.88	2763.46	1.05	0.41	-0.97	
10290.00	92.77	271.26	7682.74	-139.42	-2823.79	2827.23	0.19	0.14	-0.12	
10354.00	93.21	270.82	7679.40	-138.26	-2887.69	2891.00	0.97	0.69	-0.69	
10417.00	92.07	270.29	7676.50	-137.65	-2950.62	2953.83	2.00	-1.81	-0.84	
10481.00	92.07	270.20	7674.19	-137.38	-3014.58	3017.70	0.14	0.00	-0.14	
10545.00	91.71	268.88	7672.08	-137.89	-3078.54	3081.61	2.14	-0.56	-2.06	
10609.00	91.36	268.35	7670.36	-139.44	-3142.50	3145.56	0.99	-0.55	-0.83	
10673.00	91.54	268.53	7668.74	-141.18	-3206.46	3209.53	0.40	0.28	0.28	
10696.00	91.71	268.71	7668.09	-141.73	-3229.44	3232.51	1.08	0.74	0.78	End of Pathfinder MWD @ 10696
10752.00	91.71	268.71	7666.42	-142.99	-3285.40	3288.47	0.00	0.00	0.00	Straightline Projection to Bit @ 10752'

Annotation

MD ft	TVD ft	
6600.00	6597.98	Tie-In to Gyro
7251.19	7247.90	KOP @ 7251' MD / 7249' TVD Build 11.7°/100'
10752.00	7666.42	Straightline Projection to Bit @ 10752'
10696.00	7668.09	End of Pathfinder MWD @ 10696

