

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
March 4, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

RECEIVED

FEB 23 2006

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address Pogo Producing Company P.O. Box 10340, Midland, TX 79702-7340		² OGRID Number 017891
		³ API Number 30 - 015-32612
⁴ Property Code 31922	⁵ Property Name State 19 Com	⁶ Well No. 2

⁷ Surface Location

UL or lot no. L	Section 19	Township 20S	Range 27E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 660	East/West line West	County Eddy
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no. D	Section 19	Township 20S	Range 27E	Lot Idn	Feet from the 330	North/South line North	Feet from the 660	East/West line West	County Eddy
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⁹ Proposed Pool 1 McMillan Wolfcamp (45090)	¹⁰ Proposed Pool 2
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Drilling Pit Location and Other Information

UL or lot no. L	Section 19	Township 20S	Range 27E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 660	East/West line West	County Eddy
Depth to ground water 100' +				Distance from nearest fresh water well 1.7 miles		Distance from nearest surface water 1000' +			
¹¹ Work Type Code P		¹² Well Type Code O		¹³ Cable/Rotary		¹⁴ Lease Type Code S		¹⁵ Ground Level Elevation 3289'	
¹⁶ Multiple No		¹⁷ Proposed Depth		¹⁸ Formation Wolfcamp		¹⁹ Contractor		²⁰ Spud Date When approved	

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8	48	450	1030	
12-1/4	9-5/8	40, 43.5, 53.5	3000	975	
8-1/2	7	29	8094	1000	
6-1/8			10,700		

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Cathy Wright

Printed name: Cathy Wright

Title: Sr Eng Tech

E-mail Address: wrightc@pogoproducing.com

Date: 2/9/06

Phone: 432-685-8100

[Signature] OIL CONSERVATION DIVISION

Approved by:

Jim W. Green
District II Supervisor

Title:

Approval Date: FEB 23 2006

Expiration Date: FEB 23 2007

Conditions of Approval:

Attached ☐

Pogo Producing Company
State 19 Com #2
Section 19, T20S, R27E
Eddy County, NM
30-015-32612

Pogo Producing Company respectfully request permission to plug back from the ~~Morrow~~ ^{Bone Spring} to the Wolfcamp in the above captioned well using the following procedure:

1. MIRU well service unit. POH w/ rods & pump. ND WH. NU BOP's.
2. POH w/ tbg. LD mud anchor. TIH w/ sqz pkr.
3. Sqz Bone Spring as per recommendation.
4. Rel pkr & POH. DO sqz & test to 500#.
5. LD tbg. Blind flange WH. RD & MO well service unit.
6. MIRU drilling tools. ND BOP's. Test same.
7. Run gyro & prepare direction plan.
8. TIH w/ cased hole permanent whipstock. Orient as per directional company.
9. TIH w/ mill & cut window. POH.
10. TIH w/ angle building assembly. Build curve @ $\pm 25^\circ$ build rate / 100' hole.
11. POH w/ angle building assembly. TIH w/ reaming assembly. Ream curve.
12. POH w/ reaming assembly. TIH w/ lateral drilling assembly. Drill lateral.
13. POH. PU liner & set same. Cmt liner.
14. POH & rig down drilling tools.
15. MIRU completion tools. Clean out liner.
16. RIH w/ 4-1/2" frac string. Frac well as per instructions.
17. Evaluate for production equipment.

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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 30-015-32612		² Pool Code 45090		³ Pool Name McMillan Wolfcamp	
⁴ Property Code 31922		⁵ Property Name State 19 Com			⁶ Well Number 2
⁷ OGRID No. 017891		⁸ Operator Name Pogo Producing Company			⁹ Elevation 3289'

¹⁰ Surface Location

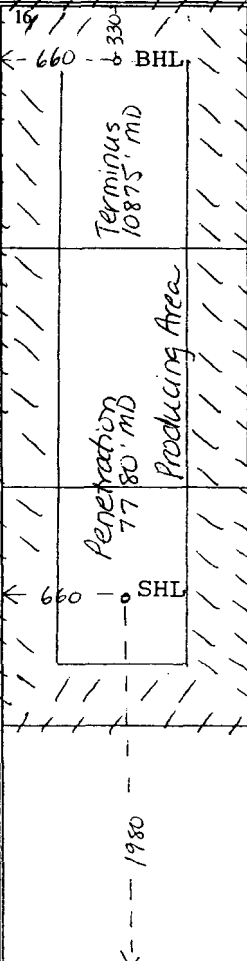
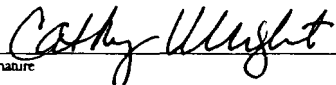
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	19	20S	27E		1980	South	660	West	Eddy

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
D	19	20S	27E		330	North	660	West	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

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Cathy Wright Printed Name Sr Eng Tech Title and E-mail Address 02/09/06 Date		
	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		

Water Resources

Data Category:

Ground Water

Geographic Area:

New Mexico

go

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 323336104173501

[Save file of selected sites to local disk for future upload](#)

USGS 323336104173501 20S.27E.21.31112

Available data for this site

Ground-water: Levels

GO

Eddy County, New Mexico

Hydrologic Unit Code

Latitude 32°33'36", Longitude 104°17'35" NAD27

Land-surface elevation 3,217.00 feet above sea level NGVD29

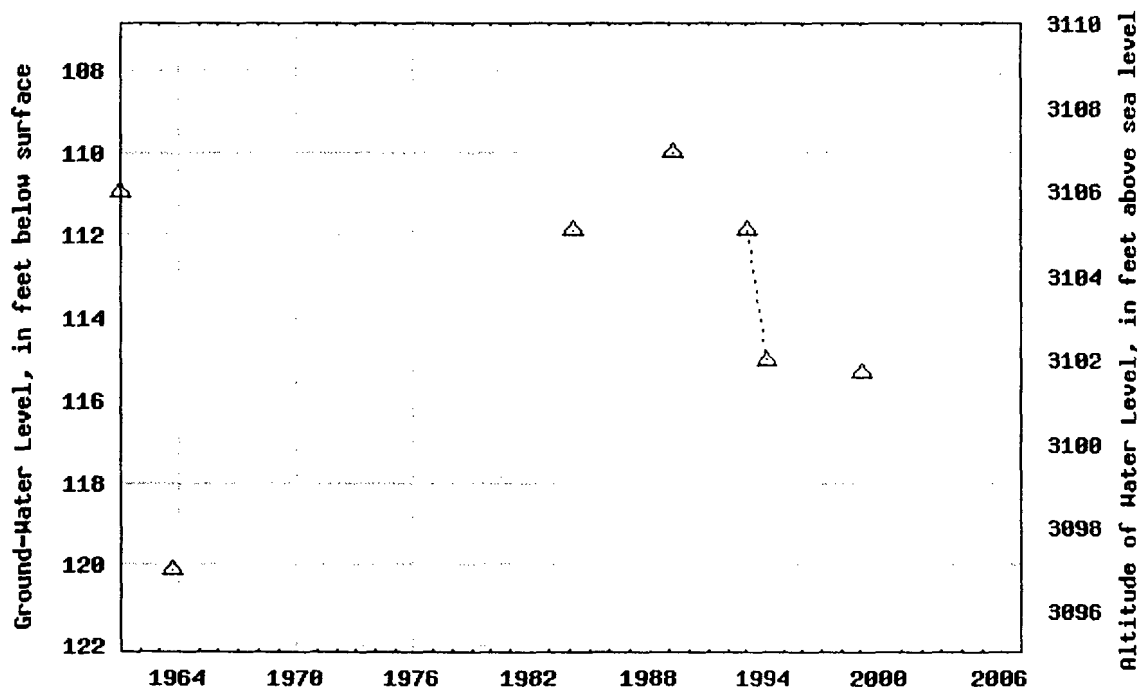
The depth of the well is 190 feet below land surface.

This well is completed in the RUSTLER FORMATION (312RSLR) local aquifer.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

USGS 323336104173501 20S.27E.21.31112



Breaks in the plot represent a gap of at least one calendar year between two consecutive points.

[Download a presentation-quality graph](#)[Questions about data](#) [New Mexico NWISWeb Data Inquiries](#)[Feedback on this website](#) [New Mexico NWISWeb Maintainer](#)[Top](#)[Explanation of terms](#)

Water Resources

Data Category:

Site Information

Geographic Area:

New Mexico

go

Site Map for New Mexico

USGS 323336104173501 20S.27E.21.31112

Available data for this site

site map

GO

Eddy County, New Mexico

Hydrologic Unit Code

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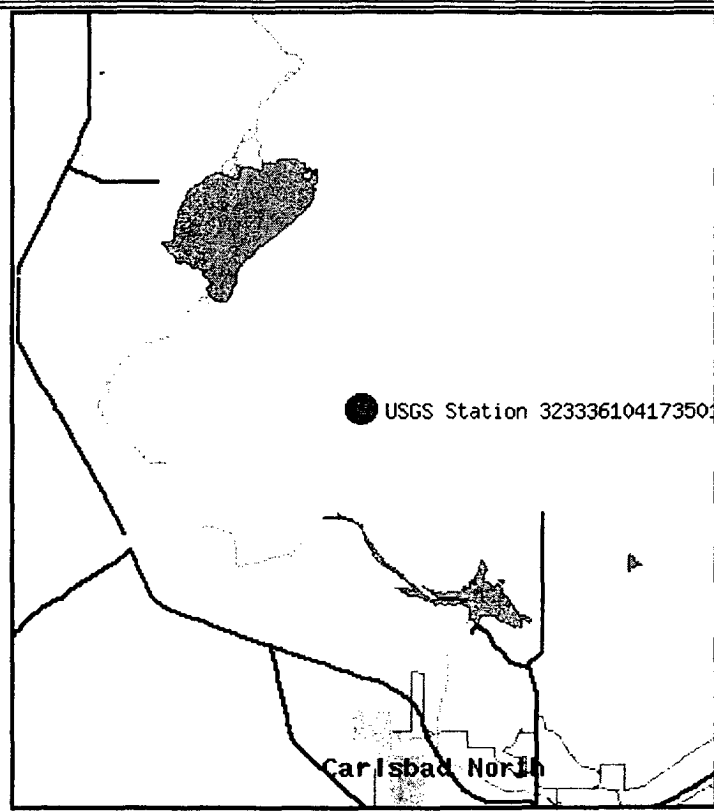
The depth of the well is 190 feet below land surface.

This well is completed in the RUSTLER FORMATION (312RSLR) local aquifer.

Location of the site in New Mexico.



Site map.



ZOOM IN 2X, 4X, 6X, 8X, or ZOOM OUT 2X, 4X, 6X, 8X.

Maps are generated by US Census Bureau TIGER Mapping Service.

[Questions about data](#) [New Mexico NWISWeb Data Inquiries](#)[Feedback on this website](#) [New Mexico NWISWeb Maintainer](#)[NWIS Site Inventory for New Mexico: Site Map](#)<http://waterdata.usgs.gov/nm/nwis/nwismap/>[Top](#)
[Explanation of terms](#)

Retrieved on 2006-02-08 17:03:00 EST

Department of the Interior, U.S. Geological Survey

USGS Water Resources of New Mexico

http://nwis.waterdata.usgs.gov/nm/nwis/nwismap/?site_no=323336104173501

2/8/2006

Great Circle Calculator.

By Ed Williams

You need Javascript enabled if you want this page to do anything useful! For Netscape, it's under Options/Network Preferences/Languages.

Compute true course and distance between points.

Enter lat/lon of points, select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that if either point is very close to a pole, the course may be inaccurate, because of its extreme sensitivity to position and inevitable rounding error.

Input Data

Lat1		Lon1	
32:33:25.34	N	104:19:34.86	W
Lat2		Lon2	
32:33:36	N	104:17:35	W

Output

Course 1-2	Course 2-1	Distance
83.9674554	263.985373	1.693065608

Distance Units: Earth model:

Compute lat/lon given radial and distance from a known point

Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that the starting point cannot be a pole.

Input data

Lat1		Lon1	
0:00.00	N	0:00.00	W
Course 1-2		Distance 1-2	
360		0.0	