

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.

5. Lease Serial No.
NM-22207

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Gas Storage Well

2. Name of Operator
El Paso Natural Gas Company, L.L.C.

3a. Address
2 N. Nevada Avenue, Colorado Springs, CO 80903

3b. Phone No. (include area code)
719-520-4557

7. If Unit of C/A Agreement, Name and/or No.
Washington Ranch Gas Storage Project

8. Well Name and No.
WI Federal #25

9. API Well No.
30-015-42685

10. Field and Pool or Exploratory Area
Washington Ranch (Morrow)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1,764' FNL & 590' FEL, Section 33, T25S, R24E

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Notice of BLM prior approval of 1" cementing operations.
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

BLM Bond No. on File: 400JF2507.

06/22/15: No returns while running the 16" 75# (J55) BTC surface casing. Established partial returns after getting surface casing to setting depth. No returns while cementing. Temperature log indicated TOC at 260'. Ran 1" pipe to TOC 307', pumped 400 sx, or 96 bbls Class "C" with 3% CaCl₂, mixed at 14.8 ppg with yield of 1.33 cu ft/sk. No cement returns. Ran 1" pipe to 92' RKB and tagged TOC. Cemented to base of the cellar at 33' RKB with 93 sx, or 22 bbls Class "C" with 3% CaCl₂, circulating 2 bbls of clean cement to surface.

The 1" cementing operations were witnessed and approved by Mr. Jose Saenz of the NM BLM office - 575-361-2822.

See attached "Casing Detail and Cementing Report" in addition to "Surface Casing Tally" documents for details.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 29 2015

RECEIVED

Accepted for record

WED NMOCD 7/31/15

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Anthony P. Trinko

Title Sr. Reservoir Engineer

Signature

Date 06/23/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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 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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 L.S., Washington, D.C. 20240.

CASING DETAIL AND CEMENTING REPORT

Well: WI FEDERAL #25		Location: SEC 33 T25S R24E		County: EDDY		State: NM	
Total depth: 460		Bit Size: 20"		Avg Hole size: 20"		Mud wt: 8.5	

String detail (list each item in order run)									
Length	Cum Length	No Jts	OD	Description	Mfg	Wt	Grade	Threads	Cond
0.67	0.67	1	16.000	TX Pattern Shoe	W/ford			BTC	NEW
45.17	45.84	1	16.000	SHOE JOINT		75	J-55	BTC	NEW
1.7	47.54	1	16.000	FLOAT COLLAR	W/ford		K-55	BTC	NEW
406.14	453.68	9	16.000	CASING JTS		75	J-55	BTC	NEW
	453.68								
	453.68								
	453.68								
	453.68								
	453.68								
	453.68	Total length							
MINUS	5.3	Cut-off							
	448.38	Setting depth							
Wt of csg string in mud:		30,000							
Wt of csg set on slips:		NA							

Cement used		Cementing company: BAKER HUGHES						Design	
Stage	No. sacks	Cement type and additives	PPG	YIELD	BBLS	BPM	TOC		
SPACER		FRESH WATER	8.34		20	5			
LEAD	330	Class "C" with 5 pps LCM-1, 4% Bentonite II, A-10, and 0.25% R-3	13.5	1.88	110	5	0		
TAIL	100	Class "C" with 2% CaCl2, and 5 pps LCM-1	14.8	1.35	24	5	396		
Displacement		FRESH WATER	8.34		91	6			
SPACER									
					0				
					0				
Displacement									

Full circ (Y/N):	N	Pipe reciprocated?	N
Cement to Surface	N	Pipe rotated?	N
Bbls to Surface	0	Float held (Y/N):	Y
		Plug bumped (Y/N):	Y

Centralizer and scratcher placement (type, depth and amount):
 16" Bow Spring Centralizers at 420', 356', 311', 176', and 40'.

Casing on location NOT RUN							
Length	No Jts	OD	Description - Mfg	Wt	Grade	Threads	Cond
136.75	3	16		75	J-55	BTC	NEW

Remarks:
 No returns while running the casing. Established partial returns after getting casing to setting depth. No returns while cementing.
 Temperature log indicated TOC at 260'. Ran 1" pipe to TOC 307'. pumped 400sx, or 96 bbls Class "C" with 3% CaCl2, mixed at 14.8 ppg with yield of 1.33 cuft/sk. No Cmt returns. Ran 1" pipe to 92' RKB and tagged TOC. Cemented to the Base of the Cellar at 33' RKB, with 93 sx, or 22 bbls Class "C" with 3% CaCl2, circulating 2 bbls of clean cement to surface.
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CEMENT COMPANY	BAKER HUGHES	
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Reported by: R. Lynch / B. Walker	Date: 6/22/2015
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Casing Data				Well Data				
Size	16.000	in		RT Elevation	25.00	ft		
Grade	J-55			Casing Hanger	NA	ft	Spec ID	
Weight	75.00	lbs/ft		20" Hole TD	460.00	ft		
Drift	14.936	in		Shoe Depth	448.38	ft		
MIU Loss	0.40104	ft		Rathole	11.62	ft		
Wall Thickness	0.438	in		Burst	2630	psi		
Thread	BTC			Collapse	1020	psi		
Calliper ID	15.124	in		Tensile	1178	kilbs		
Capacity	0.22220	bbbls/ft		MIU Torque:	MIN	OPT	MAX	
	Jts 1 - 13				Δ	Δ	Δ	
Displacement	0.42700	bbbls/ft						
Joint Number	Meas. Length (ft)	Effective Length (ft)	Running Depth	Depth - Bottom of Joint (ft)	Depth - Top of Joint (ft)	Displ bbls	Centralizer	In or Out
Texas Shoe	0.67	0.67	0.67	448.38	447.71	0.0		
Shoe Joint	45.57	45.17	45.84	447.71	402.54	1.3	X - 1	
Float Collar	2.10	1.70	47.54	402.54	400.84	1.3		
2 - 75#	45.57	45.17	92.71	400.84	355.67	2.5	X - 2	
3 - 75#	44.99	44.59	137.30	355.67	311.08	3.7	X - 3	
4 - 75#	45.55	45.15	182.44	311.08	265.94	5.0		
5 - 75#	45.62	45.22	227.66	265.94	220.72	6.2		
6 - 75#	45.60	45.20	272.86	220.72	175.52	7.4	X - 4	
7 - 75#	45.60	45.20	318.06	175.52	130.32	8.7		
8 - 75#	45.60	45.20	363.26	130.32	85.12	9.9		
9 - 75#	45.56	45.16	408.42	85.12	39.96	11.2	X - 5	
10 - 75#	45.66	45.26	453.68	39.96	-5.30	12.4		
11 - 75#	45.57	45.17	453.68	-5.30	-5.30	12.4		OUT
12 - 75#	45.60	45.20	453.68	-5.30	-5.30	12.4		OUT
13 - 75#	45.58	45.18	453.68	-5.30	-5.30	12.4		OUT