

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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 page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. OSAGE FEDERAL 16 16
2. Name of Operator COLGATE OPERATING, LLC Contact: MIKAH M THOMAS E-Mail: mthomas@colgateenergy.com		9. API Well No. 30-015-26283
3a. Address 306 WEST WALL STREET MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-695-4272	10. Field and Pool or Exploratory Area PARKWAY
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T19S R29E		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"/> Hydraulic Fracturing	<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 Comp
	<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.

3/18/17:

Set CIBP at 6,495?. Test casing to 500 psi. Waiting on frac date.

RC 11-8-13
Accepted for record - NMOCD

7/19/17 ? 8/11/17:

MIRU wireline. PU/RIH with GR/CCL & 5-1/2? 17# CIBP. Set CIBP at 5,720?. PU Bailer and dump 10 sacks of cement (~100?) on top of CIBP (Approved by Chris Walls). RDMO wireline. PU/RIH with 2-7/8? tubing and Arrowset 1X 10K 5-1/2? x 2-7/8? packer. Tested tubing to 6,000 psi. Set packer at 5,600? and test CIBP/Csg to 4,000 psi. POOH with packer. PU/RIH with GR/CCL & perforating guns. Perf 5.5? casing from 5,403? - 5,424? with 20 holes (0.37? EHD). RDMO wireline. PU/RIH with 2-7/8? tubing and Arrowset 1X 10K 5-1/2? x 2-7/8? packer. Set packer at 5,370?. Pumped frac with 38,220 lbs 16/30 White & 15,091 lbs 16/30 Garnet. Total fluid pumped 946 bbls. POOH with tubing and packer. PU/RIH with SCBP, GR/CCL, & perforating guns. Perf 5.5? casing from 5,327? - 5,357? with 20 holes (0.37?

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 07 2017

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abandoning this zone.

The Bone Spring plug will need to be set prior to

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #392738 verified by the BLM Well Information System For COLGATE OPERATING, LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 10/23/2017 ()	
Name (Printed/Typed) BRADY ADAMS	Title SR. OPERATIONS ENGINEER
Signature (Electronic Submission)	Date 10/23/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
OCT 23 2017	
Approved By	Title
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.	Date
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD 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-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional data for EC transaction #392738 that would not fit on the form

32. Additional remarks, continued

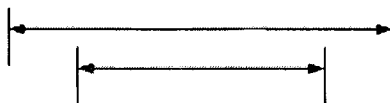
EHD). RDMO wireline. PU/RIH with 2-7/8" tubing and Arrowset 1X 10K 5-1/2" x 2-7/8" packer. Set packer at 5,298'. Pumped frac with 29,540 lbs 16/30 White & 10,989 lbs 16/30 Garnet. Total fluid pumped 583 bbls. POOH with tubing and packer. RIH with production tubing. ND BOP. Set TAC. Landed end of tubing at 5,547'. RIH with pump and rod string. Spaced out rods and hung well on.

Well Completion Diagram

API Well No: (LP		Well Name:	
Owner:	County:		Field:	Pool:	
Coordinates: X	659 FEL	; Y	Sec: 24	Twp: 3N	Rng: 68W

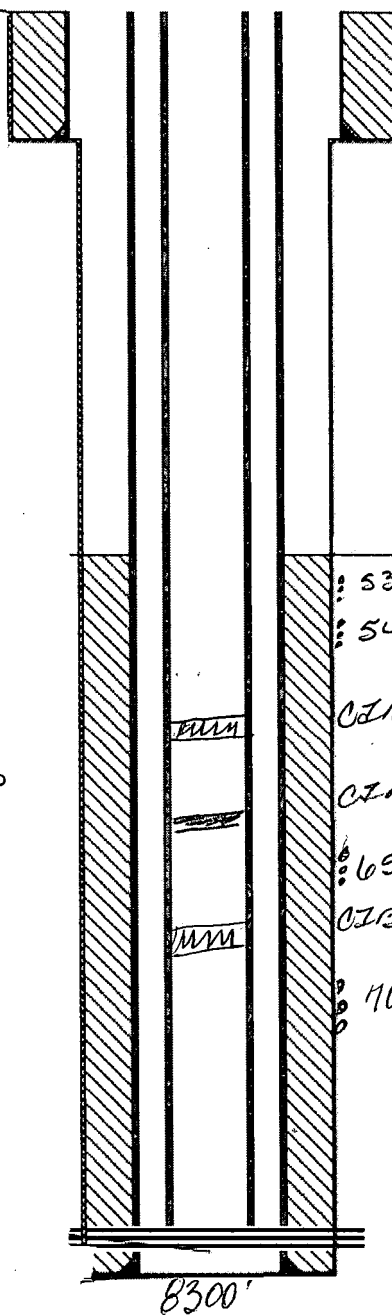
Note: Changes to the drawing do not effect the database

Bore Diameters (in.)



(12 1/4") 8 5/8" @ 3200
 (17 7/8") 5 1/2" @ 8300

Cement Top: 0' mthd: U



: 5327-5357'

: 5403-5424'

CIBP - 5720' - 7/19/2017 (100 SL)

CIBP @ 6495 - 3/2017

: 6595-6598 (Lower Austin Shale) (12/2013)

CIBP - 6700 (6680)

: 7002-7072 - BS (1990)

COO - Colgate 10/2016
 NOZ from Sm to P&A 8-29-2016
 Perm approved 12-31-2016