

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM 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.*5. Lease Serial No.
NMLC061862

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
COTTON DRAW UNIT 255H9. API Well No.
30-015-43739-00-X110. Field and Pool or Exploratory Area
COTTON DRAW11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: LINDA GOOD

Mail: linda.good@dev.com

3a. Address

6488 SEVEN RIVERS HIGHWAY
ARTESIA, NM 88211

3b. Phone No. (include area code)

Ph: 405-552-6558

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

Sec 13 T25S R31E NENE 200FNL 640FEL

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other

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 recompletable 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 recompletable 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.

Upon review of the CBL, the TOC does not meet COA requirements. As per the COA the TOC needs to be 4120', Isolation Scanner Cement Evaluation Log show the TOC to be 6800'. The intermediate shoe is at 4320'. Attached is the Isolation Scanner Log and procedure to remediate the TOC with a braden head squeeze.

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 03 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #361664 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by CHRISTOPHER WALLS on 12/21/2016 (17CRW0014SE)

Name (Printed/Typed) LINDA GOOD

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 12/20/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 12/21/2016

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.

Office Carlsbad

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted for record - NMOC

R.P. -

CDU 255H – Braden Head Squeeze Procedure

API: 3001543739

WBS: XX-109349.01.CMP

SHL: Sec 13 of 25S-31E – 200' FNL & 640' FEL

Eddy County, NM

Objective:

1. Attempt to establish injection rate down the 5-1/2"x9-5/8" annulus.
2. Perform braden head squeeze down the 5-1/2"x9-5/8" annulus to remediate top of cement on the production string. Bring TOC from 6800' to 2820'

GL - 3,411.4'

TD - 12,927'

KOP - 7,668'

KB - 3,434.9' (23.5')

PBTD - 12,832' (FC)

Casing	OD	WT/FT	Grade	Top	Bottom	80% Collapse (psi)	80% Burst (psi)
Surface	13-3/8"	54.5#	J-55	0	742'		
Intermediate	9-5/8"	40#	J-55	0	4,320'		
Production	5-1/2"	17#	RYP-110	0	12,927'	5,968	8,512
Production							
Tubing							

Capacity:

5-1/2 17# Casing – (0.0232 bbl/ft)

5-1/2 17# Casing X 2-3/8" Tubing – (0.0178 bbl/ft)

5-1/2 17# Casing X 2-7/8" Tubing – (0.0152 bbl/ft)

Offset Wells: 1 offsets in same of near formation. See Frac Bash guideline.

Operator	Well	S-T-R	Surf Loc	Distance	Frac Stg	Well Status

EHS:

- All personnel will wear hard hats, safety glasses (side shields), FRC, and steel-toed boots while on location and follow all company policies
 - Hold PJSM with all vendors on location discussing matters of safety, job procedure, and procedure execution contingencies. For any scope change or shift change, safety meetings need to be held with all personnel on location. Ensure safety shower is set on location and appropriate containments are set prior to start of frac.
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Service Co Contacts

Service Co.	Contact	Office	Phone	Phone	E-mail Address

Devon Contacts

Devon Contacts	Contact	Office	Office Phone	Cell Phone	E-mail Address
CMP Engineer	Nick Ashley	OKC	1(405)552-4641	1(405)465-2076	Nick.Ashley@dvn.com
Assistant Foreman CMP	Kelly Whitehead	Artesia	1(575)748-1834	1(575)513-4657	Kelly.Whitehead@dvn.com

Completion Notes:

- **5-1/2" 17# P-110RY long string**
- **Marker Joint Tops (len): 6,694.9' (20.48'); 7,476.6' (20.48') MD**
- **CBL already ran and TOC at 6800'.**
- **Tubing Head, 7-/16" 10M lower master valve and cap currently on the well.**
- **All water pumped into the well must be treated with biocide and if fresh water is used it needs to be treated with 2% KCL substitute.**

PROCEDURE:

1. MIRU pump truck. Tie into 9-5/8"x5-1/2" annulus. Attempt to establish an injection rate of 5 bpm without exceeding 1500 psi. Monitor 5-1/2" casing pressure and the 13-3/8"x9-5/8" annulus pressure during injection.

Nick Ashley, Completions Engineer
405-552-4641 [office]
405-465-2076 [cell]
Nick.Ashley@dvn.com

- A. 9-5/8" Intermediate casing is rated to 3,100 psi (80% burst), 5-1/2" Production casing is rated to 6,000 psi in collapse (80% collapse)
 - B. **Set Pump trips to 2,000 psi, target max injection pressure is still only 1,500 psi**
 - C. Plan for minimum of 50 bbls injection water.
 - D. Email engineer and foreman the injection rate and pressure.
- 2. If able to achieve 5 bpm without exceeding 1500 psi. Call out cement truck.
 - 3. Establish an injection rate.
 - 4. Pump 20 BBL fresh water ahead.
 - 5. Mix and pump 193 bbls of 35/65 Poz Class "C" w/ 6% bentonite.
- NOTE: Ensure lab testing with slurry has been completed and results sent to engineer before at least 48 hrs before pumping and have a company rep contact the engineer to review lab testing. Verify thickening time meets job requirements.
- 6. Displace with 131 bbl of fresh water.
 - A. New TOC should be +/- 2820'
- NOTE: CONTACT ENGINEER BEFORE CHANGING ANY VOLUMES**
- 7. Monitor annulus pressure for 15 min. If well goes on vacuum call foreman and engineer.
 - 8. Shut well in, RD from well and wait on cement for 48 hrs.
 - 9. MIRU wireline, crane, lubricator and pump. RIH with RCBL log and log from 7,000' to 500' above where TOC is seen with 1500 psi on the well. Confirm new TOC and let engineer know TOC.
 - 10. Have CBL and cement report sent to Nick Ashley (Nick.Ashley@dvn.com).

Nick Ashley, Completions Engineer
405-552-4641 [office]
405-465-2076 [cell]
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