

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
COTTON DRAW 14 FED COM 1H9. API Well No.
30-015-42091-00-X110. Field and Pool, or Exploratory
PADUCA11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: TRINA C COUCH
DEVON ENERGY PRODUCTION CO EMail: trina.couch@devn.com

3a. Address

333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-228-7203

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

Sec 14 T25S R31E NWNW 0330FNL 1150FWL
32.136755 N Lat, 103.753498 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 recompleat 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 recompleat 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.)

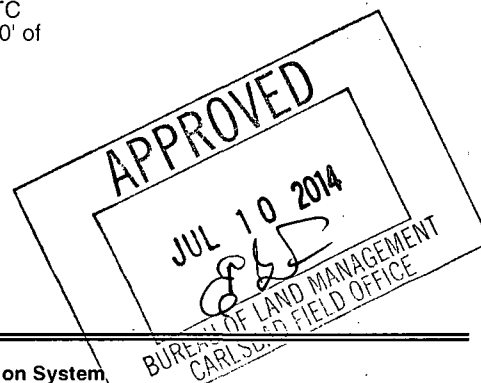
Devon Energy Production Company, L.P. respectfully requests changing the 9-5/8" 40# J55 LTC Intermediate casing to a mixed string consisting of 3400' of 36# J55 LTC and the remaining 900' of 40# J55 LTC casing. The new safety factors are included in the attachment.

Thank you

Accepted for record
NMOC D 7-15-14
NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 14 2014

RECEIVED

Original LOA Still Applies



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

Electronic Submission #249654 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad
Committed to AFMSS for processing by CATHY QUEEN on 06/19/2014 (14CQ0508SE)

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/16/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 07/10/2014

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.

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

Cotton Draw 14 FED COM 1H- APD DRILLING PLAN
JSP 11.5.13

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 750	13-3/8"	0 - 750	48#	STC	H-40
12-1/4"	750 - 4,300	9-5/8"	0 - 3,400	36#	LTC	J-55
12-1/4"	750 - 4,300	9-5/8"	3,400 - 4,300	40#	LTC	J-55
8-3/4"	4,300 - 14,787	5-1/2"	0 - 14,787	17#	BTC	P-110

Pilot Hole Depth: 10,625 FT TVD

The goal of the surface casing is to protect the water zones, casing will be set a minimum of 25 feet into the Rustler Anhydrite. If Salt is encountered, casing will be set at least 25 feet above the salt.

Design Factors

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13 3/8" 48# H-40 STC	1.77	3.98	7.71
9 5/8" 36# J-55 LTC	1.15	1.66	1.97
9 5/8" 40# J-55 LTC	1.18	1.81	3.10
5-1/2" 17# HCP-110 BTC	1.76	2.19	2.26

Mud Program

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 750	8.4 - 9.0	30 - 34	N/C	FW
750 - 4,300	9.8 - 10.0	28 - 32	N/C	Brine
4,300 - 14,787	8.5 - 9.0	28 - 32	N/C	FW

Pressure Control Equipment

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **3M system** prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked as per Onshore Order 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

Cotton Draw 14 Fed Com 1H

Cementing Program (cement volumes based on at least Surface 100% excess, Intermediate 75% excess, Pilot Hole Plug Back 10% excess and Production is 25% excess)

13-3/8" Surface	Tail: 940 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.32 gal/sk, Mix Water Volume is 142bbbls TOC @ surface
9-5/8" Intermediate	Lead: 870 sacks (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water, 12.9 ppg, Yield of 1.85 cf/sk, Water Requirement of 9.81 gal/sk, Mix Water Volume is 203bbbls TOC @ surface Tail: 430 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.32 gal/sk, Mix Water Volume is 65bbbls
Pilot Hole Plug Back	Plug Cement 390 sacks Class H Cement + 0.2% Halad-9 + 0.4% HR-601 + 60.5 % Fresh Water, 15.6 ppg, Yield of 1.19 cf/sk, Water Requirement of 5.39 gal/sk, Mix Water Volume is 50bbbls. TOC @ 9619ft
5-1/2" Production - Two Stage Option	Stage #1 Lead :620 sacks (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water, 12.5 ppg, Yield of 1.95 cf/sk, Water Requirement of 10.79 gal/sk, 159bbbls of Mix Water. TOC @ 6000ft Tail: 1290 sacks (50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg, Yield of 1.22 cf/sk, Water Requirement of 5.38 gal/sk, 165bbbls of Mix Water DV Tool @ 6000ft Stage #2 Lead :280 sacks (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water, 12.5 ppg, Yield of 1.95 cf/sk, Water Requirement of 10.79 gal/sk, 72bbbls of Mix Water. TOC @ 3700ft (or Minimum of 500' tieback into previous casing string) Tail: 120 sacks Class C Cement + 0.2% BWOC HR-800 + 64.4% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.34 gal/sk, 19bbbls of Mix Water.
<u>TOC for All Strings:</u> Surface: 870ft	0ft (870ft of fill of Tail)
Intermediate: 4200ft	0ft (3200ft of fill of Lead & 1000ft of fill of Tail)
Pilot Hole Plug Back: 10625ft	5980ft (916ft of Plug Cement)
Production: 14787ft - Two Stage	6000ft (1 st Stage - 3819ft of fill of Lead & 4968ft of fill of Tail) DV Tool at 6000ft 3700ft (2 nd Stage - 1800ft of fill of Lead & 500ft of Tail) - Min 500' tie-back into 9 5/8"

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.