

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-40606
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Jasper 32 State Com
8. Well Number 8H
9. OGRID Number 6137
10. Pool name or Wildcat Winchester; Bone Spring
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3267.4

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, LP 405-228-7203

3. Address of Operator
333 West. Sheridan Avenue
Oklahoma City, OK 73102-5015 405-228-7203

4. Well Location
Unit Letter B : 175 feet from the NORTH line and 1365 feet from the EAST line
Section 32 Township 19S Range 29E NMPM Eddy County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐

OTHER: Change Casing ☒

SUBSEQUENT REPORT OF:

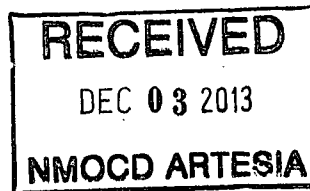
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Devon Energy Production Company, L.P. respectfully requests to change the proposed production casing design from a 5.5" long string to a tapered string with 7" 26# HCP-110 BTC set at 6,500 ft. x 5.5" 17# HCP-110 BTC from 6,500 ft. to TD at 11,609 ft. The casing design factors and cement volumes are attached.

Thank you



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Trina C. Couch

TITLE: Regulatory Associate

DATE 12/2/2013

Type or print name: Trina C. Couch

E-mail address: trina.couch@dmn.com

PHONE: 405-228-7203

For State Use Only

APPROVED BY: T. C. Shupard

TITLE

"Geologist"

DATE

12-3-2013

Conditions of Approval (if any):

Casing Design Factors

Casing Size	Grade & Conn	Hole Size	Casing Wt	Setting Depth (MD)	Setting Depth (TVD)	String Length	Max Mud Wt	Casing Properties			Design Factors		
								Collapse	Burst	Yield Strength	Collapse	Burst	Tension
7"	HCP-110	8-3/4"	26	6500	6500	6500	10.2	6210	9960	853000	1.80	2.89	5.05
5-1/2"	HCP-110	8-3/4"	17	11609	6998	5109	10.2	8580	10640	568000	2.31	2.87	6.54

Cement Design

Depth (TVD) 6,998 ft
 Depth (MD) 11,609 ft
 Hole Size 8.75 in
 Casing Size/Weight 7 in, 26 lbs/ft
 5 1/2 in, 17 lbs/ft

Pump Via 7" O.D. (6.276" I.D) 26 #
 5 1/2" O.D. (4.892" I.D) 17 #

Total Mix Water Required 11,601 gals

Spacer
 Fresh Water 20 bbls
 Density 8.3 ppg

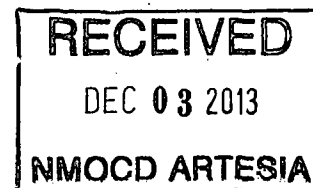
Spacer
 Sealbond 40 bbls
 Density 8.7 ppg

1st Lead Slurry
 40:60 Poz:Class C 69 sacks
 Density 10.5 ppg
 Yield 4.56 cf/sack

Lead Slurry
 35:65:6 Poz:Class H 146 sacks
 Density 12.5 ppg
 Yield 2.01 cf/sack

Tail Slurry
 50:50 Poz:Class H 1,392 sacks
 Density 14.2 ppg
 Yield 1.28 cf/sack

Displacement
 Displacement Fluid 367 bbls



API # 30-015-40606

FLUID SPECIFICATIONS

Spacer

20.0 bbls Fresh Water @ 8.34 ppg

Spacer

40.0 bbls Sealbond @ 8.7 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1st Lead Slurry	314	/ 4.56	= 69 sacks (40:60) Poz (Fly Ash):Class C Cement + 0.125 lbs/sack Cello Flake + 0.5% bwoc FL-52 + 0.8% bwoc ASA-301 + 5% bwoc A-10 + 4% bwoc Sodium Metasilicate + 1% bwoc BA-10A + 0.005 gps FP-13L + 2.3% bwoc R-21 + 15 lbs/sack CSE-2 + 4% bwoc MPA-5 + 5 lbs/sack Kol-Seal, bulk + 275.7% Fresh Water
Lead Slurry	293	/ 2.01	= 146 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 0.3% bwoc ASA-301 + 6% bwoc Bentonite + 105.5% Fresh Water
Tail Slurry	1781	/ 1.28	= 1392 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.4% bwoc FL-52 + 0.5% bwoc Sodium Metasilicate + 57.3% Fresh Water

Displacement

366.6 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2	SLURRY NO.3
Slurry Weight (ppg)	10.50	12.50	14.20
Slurry Yield (cf/sack)	4.56	2.01	1.28
Amount of Mix Water (gps)	28.43	11.01	5.77
Amount of Mix Fluid (gps)	28.44	11.01	5.77
Estimated Pumping Time - 70 BC (HH:MM)	4:00	5:00	5:00
Free Water (mls) @ ° F @ 90 ° Angle		2.5	0.0
Fluid Loss (cc/30min) at 1000 psi and ° F		300.0	50.0

COMPRESSIVE STRENGTH

12 hrs @ 115 ° F (psi)	55		
24 hrs @ 115 ° F (psi)	135		
72 hrs @ 115 ° F (psi)	350		
12 hrs @ 144 ° F (psi)		300	600
24 hrs @ 144 ° F (psi)		650	1700
72 hrs @ 144 ° F (psi)		1100	2000