

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

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.)		WELL API NO. 30-015-41014
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Devon Energy Production Company, LP 405-228-7203		6. State Oil & Gas Lease No.
3. Address of Operator 333 West. Sheridan Avenue Oklahoma City, OK 73102-5015 405-228-7203		7. Lease Name or Unit Agreement Name Diamond PWU 22
4. Well Location Unit Letter <u>P</u> : <u>825</u> feet from the <u>SOUTH</u> line and <u>780</u> feet from the <u>EAST</u> line Section <u>21</u> Township <u>19S</u> Range <u>29E</u> NMPM Eddy County		8. Well Number 8H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3339'		9. OGRID Number 6137
		10. Pool name or Wildcat Turkey Track; Bone Spring

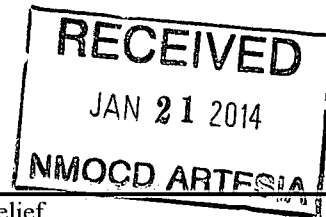
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: Change Casing ☒	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 alter the production casing design from a 5.5" long string to a tapered 7" x 5.5" long string. Attached are the new casing design safety factor numbers and cement proposal.

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 1/20/2014

Type or print name: Trina C. Couch E-mail address: trina.couch@devon.com PHONE: 405-228-7203
For State Use Only

APPROVED BY: Dr. J. B. Spaworth TITLE: Dr. J. B. Spaworth DATE Jan 21, 2014
Conditions of Approval (if any):

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
13-3/8	H-40 STC	17-1/2"	48	200	200	200	8.3	770	1,730	322,000	8.92	20.04	33.54
9-5/8	J-55 LTC	12-1/4"	40	3,500	3,500	3,500	10.0	2,570	3,950	552,000	1.41	2.17	3.94
7	HCP-110 BTC	8-3/4"	26	6,400	6,400	6,400	10.2	7,800	9,950	853,000	2.30	2.93	5.13
5-1/2	HCP-110 BTC	8-3/4"	17	12,519	7,115	6,119	10.2	8,580	10,640	568,000	2.27	2.82	5.46

FLUID SPECIFICATIONS

Spacer 20.0 bbls Fresh Water @ 8.34 ppg

Spacer 40.0 bbls Sealbond @ 8.7 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
1st Lead Slurry	306	4.56	= 70 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	274	2.01	= 140 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	2068	1.28	= 1620 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			383.0 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