

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised December 16, 2011

HOBBSOCD

Permit

DEC 29 2014

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, L.P. 333 WEST SHERIDAN OKLAHOMA CITY, OKLAHOMA 73102-5010		² OGRID Number 6137
		³ API Number 30-025-42355
⁴ Property Code 314004	⁵ Property Name RATTLESNAKE 16 SWD	⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	16	26S	34E		2375	NORTH	210	WEST	LEA

⁸ Pool Information

SWD: Dev-Fus-Mon-Simp	98109
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Additional Well Information

⁹ Work Type NW	¹⁰ Well Type SWD	¹¹ Cable/Rotary	¹² Lease Type STATE	¹³ Ground Level Elevation 3337.3
¹⁴ Multiple	¹⁵ Proposed Depth 21,000'	¹⁶ Formation Simpson	¹⁷ Contractor	¹⁸ Spud Date 6/10/2015
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26"	20"	94#	750'	1730 sx	Surface
Int 1	17 1/2"	13 3/8"	68#	5300'	3700 sx	Surface
Int 2	12 1/4"	9 5/8"	47#	12485'	1850 sx	4800'
Prod	8 1/2"	7 5/8"	47.1#	18733'	440sx	11485'
	6 1/8"	OH		18733'-21000'		

Casing/Cement Program: Additional Comments

20" Surface Lead w/1730sx CI C Cmt + 63.5% Fresh Water, 14.8 ppg, H2O: 6.32 gal/sx, Yld. 1.33 cf/sx; TOC @ surface.
13-3/8" 1st Intermediate Lead w/2750sx (65:35) CI C Cmt: Poz (Fly Ash): 6% BWOC Bent + 5% BWOW NaCL + 0.125 #/sx Poly-E-Flake + 71.4 % FW, 12.9 ppg, H2O: 9.81 gal/sx, Yld. 1.85 cf/sx. Pump Tail w/950sx CI C Cmt + 63.5% FW, 14.8 ppg, H2O: 6.32 gal/sx, Yld. 1.33 cf/sx; TOC @ surface.
9-5/8" 2nd Intermediate Lead w/1260sx (65:35) CI C Cmt: Poz (Fly Ash): 6% BWOC Bent + 5% BWOW NaCL + 0.125 #/sx Poly-E-Flake + 71.4 % FW, 12.9 ppg, H2O: 9.81 gal/sx, Yld. 1.85 cf/sx; Tail w/590sx 50% Premium H / 50% PozMix + 0.2% BWOC Halad-9 + 0.2% BWOC HR-800 + 64.7% FW, 14.4 ppg, H2O: 5.75 gal/sx, Yld. 1.24 cf/sx; TOC @ 4800'.
7-5/8" Drilling Liner Lead w/270sx (65:35) CI H Cmt: Poz (Fly Ash) + 6% BWOC Bent + 0.25% BWOC HR-601 + 0.125 #/sx Poly-E-Flake + 74.1 % FW, 12.5 ppg, H2O: 10.86 gal/sx, Yld. 1.96 cf/sx; Tail w/170sx (50:50) CI H Cmt: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.25% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bent + 58.8% FW, 14.5 ppg, H2O: 5.31 gal/sx, Yld. 1.21 cf/sx; TOC @ 11485'.

Devon intends to use a closed loop system.

Injection Interval: 18773' - 20560'

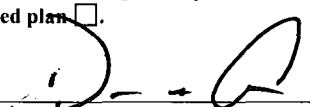

See attached Drilling Program for additional details.

**See Attached
Conditions of Approval ON
NEXT PAGE**

JAN 07 2015

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	
Double Ram	3000	3000	
Double Ram	5000	5000	
Double Ram	10000	10000	

<p>I hereby certify that the information given above is true and complete to the best of my knowledge and belief.</p> <p>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/>, a general permit <input type="checkbox"/>, or an (attached) alternative OCD-approved plan <input type="checkbox"/>.</p> <p>Signature: </p> <p>Printed name: David H. Cook</p> <p>Title: Regulatory Specialist</p> <p>E-mail Address: david.cook@divn.com</p> <p>Date: 12/22/2014 Phone: (405) 552-7848</p>	<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;"> OIL CONSERVATION DIVISION </div> <p>Approved By: </p> <p>Title:</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <p>Approved Date: 12/30/14</p> <p>Expiration Date: 12/30/16</p> </div> <p>Conditions of Approval Attached: OIL CONSERVATION DIVISION</p>
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CONDITION OF APPROVAL - Approval for drilling / workover **ONLY - CANNOT INJECT OR DISPOSAL** until the injection/disposal order has been approved by the OCD Santa Fe office.