

District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address Devon Energy Production Co., L P 20 North Broadway OKC, OK 73102-8260		² OGRID Number 6137	
³ Property Code 28711		⁴ API Number 30-015-29524	
⁵ Property Name Lonetree 14 State Com		⁶ Well No 1	
⁹ Proposed Pool 1 Lower Brushy Canyon		¹⁰ Proposed Pool 2	

7 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	21S	27E		2180	North	360	East	Eddy

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	21S	27E		2180	North	360	East	Eddy

Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3193' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 11,840'	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method:				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	623'	650 sx CLC	surface
12 1/4"	8 5/8"	32#	3095'	2650 sx CLC	surface
8 3/4"	5 1/2"	17#	11840'	2100 sx CLC	TOC @ 3700'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Devon proposes to recompleat well to the Lower Brushy Canyon from the Bone Springs; see attached procedures:

- Depth to groundwater is 50' or more, but less than 100', distance to surface water is approx 1000' or more, well is not in the wellhead protection area
- No earthen pit to be constructed, closed loop system to be utilized, Form C-144 CLEZ attached
- No H2S is expected to be encountered, H2S plan provided 3000 psi BOP to be used
- Completion papers to be filed if a successful test; or subsequent report of work if no economic reserves
- If it is deemed non-commercial then it will be plugged and abandoned in accordance with the rules and regulations established by the New Mexico OCD.

Please note: CIBP to be set @ 5,400'.

RECEIVED

MAY 24 2011

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Stephanie A. Ysasaga		Approved by: <i>[Signature]</i>	
Title: Sr. Staff Engineering Technician		Title: DIST # Supervisor	
E-mail Address: Stephanie.Ysasaga@dvn.com		Approval Date: 06/01/2011 Expiration Date	
Date: 05/20/2011	Phone: (405)-552-7802	Conditions of Approval Attached <input type="checkbox"/>	

Lonetree 14 St Com #1
AFE#
Objective - Plug back Bone Spring formation & recomplete to the L. Brushy CYN

API# - 30-015-29524

GL - 3163

TD - 11,840

Location - Eddy Co. -- Sec 14-21S-27E

KB - 3178' (15')

PBSD - 6150

Casing	OD	WT/FT	Grade	Top	Bottom	TOC	80% Collapse (psi)	80% Burst (psi)
Surface	13-3/8	48	H-40	0	623	Surface		
Intermediate	8-5/8	36	J-55	0	3095	Surface		
Production	5-1/2	17	J-55	0	11840	3700	3928	4256
Tubing								
Production	2-7/8			0	-5350	-		

Current perforations: 5550' - 5558' Bone Spring (17 shots).

Cement: TOC @ 3630. Void- 6070-6250. Good cement within new perf zone.

Well drilled in 1998.

Current PBSD: 6150' w/ 35' of cement on top (6115')

Current BHA -

Tubing: No report in wellview or well files

Rods: PR, 2ft 7/8 sub, 8ft 7/8 sub, 72-7/8 rods, 142-3/4 rods, 2ft 1" sub, 2-1/2 X 1-1/4 X 20 RHBC (11/11/2004 report in Wellview. No report of type of rods)

Procedure

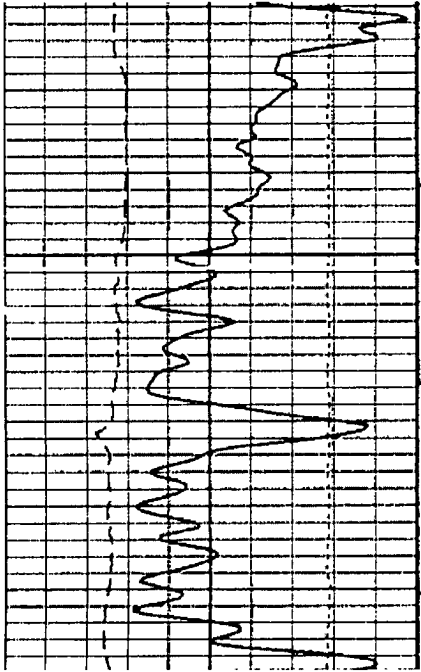
- 1) Test anchors. Hot oil tubing & rods prior to rig move. MIRU PU. Apply LOTO procedures. Unseat pump & POOH w/ pump & rods. ***Note grade & # of rods. Input into Wellview.
- 2) Unseat TAC. POOH w/ tubing & BHA. ***Note number of joints of tubing. If tubing or rods look to have paraffin, make B&S run.
- 3) RU WL. RIH w/ gauge ring to ~5425'. Set CIBP @ 5400' (Bone Spring Top). Dump bail 35' of cement on top.
- 4) With 3-1/8" slick gun, perforate Brushy Canyon w/ 0.43" EHD holes as follows:

4908 - 4918 (10ft_3SPF_120° phasing)
30 Total Shots

- 5) PU Weatherford 10K Hd packer. Hydrotest tubing to ~~XXXXpsi~~ bellow slips to ~4850'. RIH to 5000'. Set packer & test CIBP to 500#. PU & set packer @ ~4850'.

5/19/2011

- 6) RU BJ Services. Acidize brushy canyon w/ 7.5% Pentol acid & bio balls. Unset packer & knock balls to bottom. Reset packer & begin swab testing.
- 7) Swab well until dry. Begin making hourly swab runs reporting % oil cut & fluid entry per hour. If well shows an oil cut of ~15%, prep to frac.
- 8) RU BJ. Apply 500 psi to backside. Frac down tubing at 15 BPM, 15,500gal Spectra Frac 2500, 2,550 gal 25# Linear Gel, 12,000#s SiberProp 16/30, & 15,500#s White 20/40 Sand as per BJ proposal #
- 9) **FLOW WELL BACK:** Begin flowing well back @ 30 bbl/hr rate for the first four hours. Slowly open well to 60 bbl/hr for the next 2 hours. Open well up to 120 bbl/hr until well dies.
- 10) Unset packer & tag for fill 100' bellow bottom perf. If there is sand fill prep to bail, if not, POOH w/ tubing & packer.
- 11) RIH w/ tubing & TAC. Set TAC @ ~4800'. Run 4ft blast joint, SN (5000ft), & 32ft tubing desander. Rodstar report to follow after reporting rod type/pumping unit on location. Unit is run on propane. RDMO PU.



Brushy Canyon Perfs

4900

