

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  
June 16, 2008

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**

<sup>1</sup> Operator Name and Address Devon Energy Production Company L.P. 20 North Broadway OKC, OK 73102-8260		<sup>2</sup> OGRID Number 6137
		<sup>3</sup> API Number 30-015-33851
<sup>4</sup> Property Code 34488	<sup>5</sup> Property Name State CW	<sup>6</sup> Well No. 2
<sup>9</sup> Proposed Pool 1 Canyon Lime		<sup>10</sup> Proposed Pool 2

**<sup>7</sup> Surface Location**

UL or lot no. H	Section 19	Township 20S	Range 28E	Lot Idn	Feet from the 1500	North/South line North	Feet from the 1310	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------

**<sup>8</sup> 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

**Additional Well Information**

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code Gas	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code State	<sup>15</sup> Ground Level Elevation 3310'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 11,411'	<sup>18</sup> Formation Strawn	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 08/01/2008

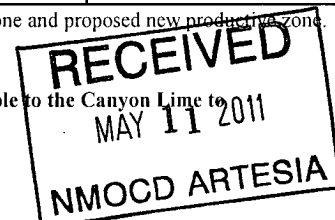
**<sup>21</sup> Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48# H-40 ST&C	499'	252 sx CLC	Surface
11"	9 5/8"	40# L-55 LT&C	2817'	180 sx CLC	Surface
8 3/4"	5 1/2"	26# HCP-110 LT&C	11411'	700 sx CLC	TOC @ 4312'

<sup>22</sup> 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 Energy Production Company, LP requests approval to plug off current Strawn completion and recompleat uphole to the Canyon Lime to restore production:

- See attached procedures
- CIBP to be set @ 10,200' to isolate Strawn perms @ 10,258' - 10,272'.
- 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. BOP to be used.
- Completion papers to be filed if successful plugback; or subsequent report of operations 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.



<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Stephanie A. Ysasaga

Title: Sr. Staff Engineering Technician

E-mail Address: Stephanie.Ysasaga@dvn.com

Date: 05/10/2011

Phone: (405)-552-7802

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date: 05/26/2011

Expiration Date:

Conditions of Approval Attached ☐

Well Name: State CW #2  
Field: Burton Flat West  
County: Eddy



### Objective:

Plug off current Strawn completion and recomplete uphole to the Canyon Lime to restore production. The recomplete will consist of a small sand frac spear headed w/ a moderate volume of acid.

### Well Info:

Location:	1500' FNL & 1310' FEL; 19-20S-28E
API Number:	30-015-33851
AFE Number:	160802
Elevation:	3333' KB; 3310' GL
TD / PBDT:	11,411' / 10,945'

### CSG & TBG:

Casing	Depth (ft)	Grade	Wt/Ft (Lb)	ID (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)
13-3/8" Surface:	0-499	H-40	48	12.715	770	1,730	0.1571
9-5/8" Intermediate:	0-2,817	J-55	36	8.921	2,020	3,520	0.0773
5-1/2" Production:	0-11,411	P-110	17	4.892	7,460	10,640	0.0232
Tubing							
2-7/8" Production:	0-10,230	N-80	6.5	2.441	11,160	10,570	0.0058

### Current Completion:

Detailed tbg install:

TIH & SET 5.5" ARROW SET PKR @ 10,230' W/ 327 JTS IN THE HOLE

Restrictions:

Depth:	ID	item
10,231	2.441	on-off tool
10,881	2.331	landing nipple
10,883	2.225	landing nipple

Formation	Perf Interval (ft)	Density (spf)	Phasing (°)	Charge (in)	# of Holes
Strawn	10258-10272	3	120	?	42

### Acidized

9/16/2008: ACIDZE THE STRAWN 10,258'- 72' W/ 1500 GALS OF 7.5% HCL

BREAK ON WTR @ 4760#

START FLUSH - ISIP 3703 PSI - MIR 4.5 BPM & 4760 PSI - AVG 4.5 BPM & 4200 PSI

### Frac'd

9/19/2008: 10,258-72' W/ 750 BBL'S OF LIGHTING 3000 GEL & 34,285# OF CARBOPROP 20/40 SAND.

ISIDP 5108 PSI - MIR= 20 BPM & 8330 PSI - AVG 20 BPM & 7500 PSI

5=MIN 4944 PSI - 10=MIN 4856 PSI - 15=MIN 4740 PSI - TOTAL PROP 34,285# OF SAND - 715 BLWTR

### Procedure:

#### **PERFORM SAFETY CHECKS AND SAFETY MEETING:**

Devon Energy is committed to providing a safe working environment for all personnel. A safety meeting will be held prior to commencing each major operation in order to define/clarify objectives, roles & responsibilities, identify all potential risk/hazards and establish a work procedure that is safe and environmentally sound. All personnel on location should have the minimum PPE requirements (hard hat, steel toe boots, and safety glasses) while working on location. Also there should be a designated emergency vehicle and driver appointed at each safety meeting. Meetings are to be documented on the reports returned to Devon.

#### **Perf, acidize, and swab test Canyon Lime:**

1. MIRU PU. ND production tree and NU and test BOP's. POOH w/ packer and tbg.  
\*set plug and test tubing before POOH; or hydrotest when running back in(step 5)\*
2. MIRU WL unit. RIH w/ GR/JB to ~ 10,250'. Make note of any tight spots.
3. RIH w/ CIBP and set at 10,200'; POOH. RIH and dump bail 35' cmt on top of CIBP to abandon straw completion.
4. RIH w/ CCL and perf guns; get on depth (correlate back to Schlumberger Platform Express open hole GR log ran 1-Mar-2005) and perf canyon lime from 9880'-9888' and record any pressure changes after guns fire. See details below. POOH and confirm all shots fired. MDRO WL unit.

#### **Proposed Completion:**

Formation	Perf Interval (ft)	Density (spf)	Phasing (°)	Charge (in)	# of Holes
Canyon Lime	9,880'-9,888'	3	60	?	24

5. RIH w/ 5-1/2" (17#) production packer on 2-7/8" tbg. Set packer at ~ 9,800'.
6. Stimulate canyon lime per BJ proposal: spearhead in using ~1500 gals of 15% HCl acid followed by sand frac.
7. Swab tubing if necessary after frac to recover load. RDMO WSU.

#### Devon Energy Contacts

Name	Title	Email	Phone
Don Mayberry	Superintendent	<a href="mailto:Don.Mayberry@dvn.com">Don.Mayberry@dvn.com</a>	575-748-0164 575-748-5235
Jerry Mathews	Foreman	<a href="mailto:Jerry.Mathews@dvn.com">Jerry.Mathews@dvn.com</a>	575-748-0161 575-748-5234
Ronnie Carre	Foreman	<a href="mailto:Ronnie.Carre@dvn.com">Ronnie.Carre@dvn.com</a>	575-748-0179 575-748-5528
Greg McGowen	Engineer	<a href="mailto:Gregory.McGowen@dvn.com">Gregory.McGowen@dvn.com</a>	405-228-8965 405-464-9769
Jerred Clark	Engineer	<a href="mailto:Jerred.Clark@dvn.com">Jerred.Clark@dvn.com</a>	405-552-4768 405-4062594
Roy White	Foreman	<a href="mailto:Roy.White@dvn.com">Roy.White@dvn.com</a>	575-748-0194 575-513-1741

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: STATE CW 2		Field: L <i>Saladar</i>	
Location: 1500' FNL & 1310' FEL; 19-20S-28E		County: EDDY	State: NM
Elevation: 3333' KB; 3310' GL		Spud Date 2/5/2005	Compl Date
API#: 30-015-33851	Prepared by Ronnie Slack	Date 09/23/08	Rev

17-1/2" hole  
13-3/8", 48#, H40, ST&C, @ 499'  
 Cmt'd w/252 sks lead, 200 sks tail Cmt to surf

12-1/4" hole  
9-5/8", 36#, J55, ST&C, @ 2817'  
 Cmt'd w/1080 sks Topped w/100 sks, using 1"  
 Cement to surface

TOC @ 3800' (CBL-3/16/05)

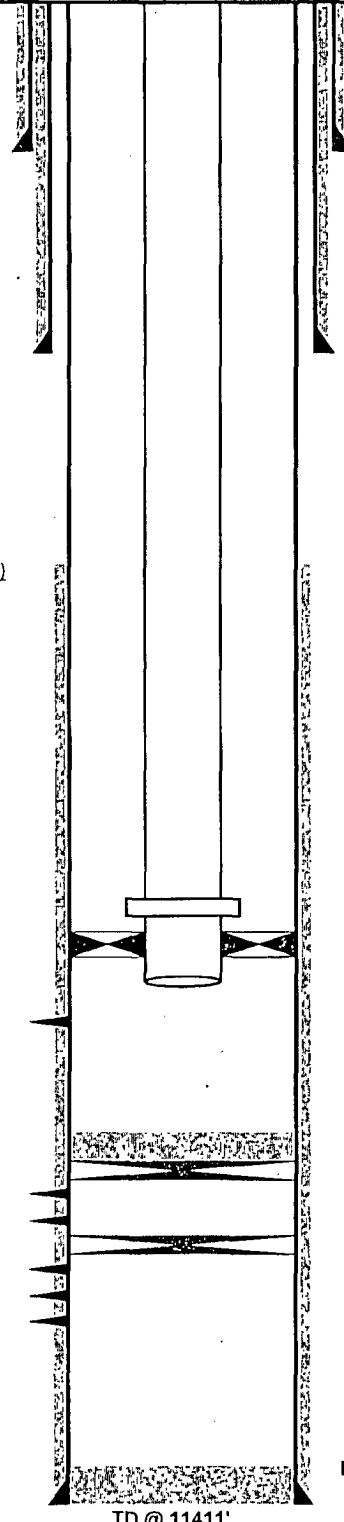
**STRAWN (9/16/08)**

10258' - 10272' 3 spf, 120°  
 9/17/08 acidized 10258-72' w/1500 gal 7 5% HCl  
 9/19/08 fraced 10258-72 w/34285# 20/40

**MORROW (3/25/05)**

11012'-11032' 1 spf  
 11054'-11056' 3 spf  
  
 11101'-11103' 3 spf  
 11230'-11248' 6 spf  
 11262'-11267' 6 spf  
 3/29/05 acidized w/4500 gals 7 5% HCl  
 4/2/05. Frac'd  
 4/7/05: 1 1 mmcf, 0 bo, 3 bw, 2500# ftp, 8/64" chk

8-3/4" Hole  
5-1/2", 17#, P-110HC, LT&C, @ 11407'  
 Cmt'd 1st stage=700 sks, 2nd stage=1800 sks  
 Lost returns w/ 127 bbls displ left



2-7/8, 6.4#, Production Tubing

Arrow Set Packer @ 10 230' (9/16/08)

35' cement. 10,945' PBD  
 CIBP @ 10,980' (9/16/08)

CIBP @ 11,075' (6/27/08)

PBD @ 11319'