

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

RECEIVED

Submit to appropriate District Office

JUL 1 2010

☐ AMENDED REPORT

NMOCD ARTESIA

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

¹ Operator Name and Address Devon Energy Production Company L.P. 20 North Broadway OKC, OK 73102-8260		² OGRID Number 6137
³ Property Code		⁴ API Number 30-015-34147
⁵ Property Name Townsend 28		⁶ Well No 1
⁹ Proposed Pool 1 Carlsbad, Atoka, South		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
C	28	22S	27E		1310	North	1520	West	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
C	28	22S	27E		1980	North	660	West	Eddy

Additional Well Information

¹¹ Work Type Code Recomplete	¹² Well Type Code Gas	¹³ Cable/Rotary R	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3128'
¹⁶ Multiple N	¹⁷ Proposed Depth TD 12,009'	¹⁸ Formation Monow	¹⁹ Contractor	²⁰ Spud Date 08/01/2008
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit <input type="checkbox"/> Liner Synthetic <input type="checkbox"/> <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume <input type="checkbox"/> 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 Current 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# HL-40 ST&C	324'	435 ss CLC	Surface
12 1/2"	9 5/8"	36# L-55 ST&C	2630'	1120 ss CLC	Surface
8 3/4"	5 1/2"	17# P-110 LT&C	12009'	2950 ss CLC	TOC @ 4770'
					DV tool @ 8018'

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 repair casing leak and recomplete to Atoka; 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, see attached Form C-144 CLEZ
- No H₂S is expected to be encountered, H₂S plan provided 5000 psi Double and Hydril with drilling spool & rotating head 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

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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Stephanie A. Ysasaga

Title: Sr Staff Engineering Technician

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

Date: 06/28/2010

Phone: (405)-552-7802

OIL CONSERVATION DIVISION

Approved by

Title

Approval Date

Expiration Date

Conditions of Approval Attached ☐

Devon Energy Corporation
Townsend 28-1
1310' FNL & 1520' FWL - SEC 28 – T22S – R27E
Eddy County, NM
AFE #155682 API # 30-015-34147 WI=50%

Objective: **Repair casing leak and recomple to Atoka.**

Well Data:

Surface Casing: 13-3/8" 48# H-40 STC @ 324' (TOC surface)
Intermed Casing: 9-5/8" 36# J-55 STC @ 2630' (TOC surface)
Production Casing: 5 1/2" 17# P110 LTC @ 12,009' (TOC 4770' – CBL, DV tool at 8,018')
PBTD: 11,540' (CIBP w/10' cmt) RBP at 11,450'
KB elev: 3145' Drilled: 2006
Tubing: 356 jts - 2 7/8" 6.5# N-80 EUE 8rd
Packer: 5 1/2" treating packer @ 11,335'
Existing Perfs: 11,374' – 86' (Morrow)
Isolated Perfs: 11,512'-14' and 11,523' -30' (Morrow – under RBP)
Abandoned Perfs: 11,580'-767' (Morrow)

Proposed Perfs: 11,052'-55', 11,068'-74', 11,148'-52' and 11,168'-72' (Atoka sands)

Procedure:

1. RUPU. Bleed casing and tubing down. H2S reported in casing fluid. ND tree. NU BOP.
2. Release packer. Lower packer to RBP at 11,450'. CHC. Latch and POOH with RBP and packer.
3. RIH w/ packer and plug and locate casing leak. Based on depth either cement thru a packer or cement retainer. Test squeeze to 500 psig.
4. Drill out cement and any plugs. RIH to ~11,360'. CHC. POOH.
5. RU wireline truck. Set CIBP at ~11,350'. Dump 35' cmt on plug. Perforate Atoka w/ 3 1/8" guns loaded 3 spf 60° phasing as follows: 11,052'-55' (3'), 11,068'-74' (6'), 11,148'-

52' (4') and 11,168'-72' (4'). Total 17' and 51 holes. Note: Correlate to Schlumberger logs dated 4/26/2006.

6. RIH w/ packer and o-o tool set at ~11,025'. Load casing and test packer and casing to 500 psig with packer fluid.
7. RU swab. Swab dry.
8. RU BJ Services. Test lines. Stimulate Atoka as per BJ Services recommendation. Take 5, 10, and 15 minute pressures. RD BJ.
9. RU swab. Swab well on production. RDMO.

GM 6/25/10

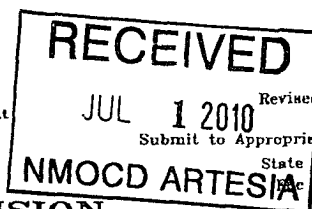
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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department



OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34147	Pool Code	Pool Name CARLSBAD; ATOKA, SOUTH
Property Code	Property Name TOWNSEND "28"	Well Number 1
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY LP	Elevation 3128'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	22 S	27 E		1310	NORTH	1520	WEST	EDDY

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
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Norvella Adams</i></p> <p>Signature Norvella Adams</p> <p>Printed Name Sr. Staff Eng. Tech</p> <p>Title 2/11/05</p> <p>Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief</p> <p>December 02, 2004</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary L. Jones</i></p> <p>W.O. No. 4874</p> <p>Certificate No. Gary L. Jones 7977</p> <p>JLP</p>