

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

WELL API NO.

30-015-35539

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Devon Energy Production Company, L.P.

3. Address of Operator

333 W. Sheridan, Oklahoma City, OK 73102

4. Well Location

Unit Letter 1600 : feet from the South line and 660 feet from the East line
Section 6 Township 24S Range 29E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
2966' GR

7. Lease Name or Unit Agreement Name
Double Dale Fee Com

8. Well Number 1

9. OGRID Number
6137

10. Pool name or Wildcat
Malaga; Atoka (Gas)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☒
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: Abandon Atoka and recomplete in Wolfcamp Lm ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

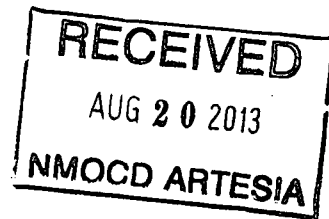
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date
of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of
proposed completion or recompletion.

Devon Energy Production Co. L.P., respectfully requests approval to abandon the Atoka and recomplete in Wolfcamp formation as
follows:

Current Atoka perfs: 12102 – 12314'

Set 4-1/2" CIBP @ 12,060'. Dump bail 35' of cement on top of CIBP. New PBTD @ 12025'. Run CBL. Perforate the Wolfcamp
Lime from 9780' – 9805'. Acid stimulate Wolfcamp Lime @ 9780' – 9805' with 5000 gals 15% HCL.

See attached for procedure details, well history and wellbore schematic.



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Patti Riechers TITLE: Regulatory Specialist DATE 08-19-2013

Type or print name Patti Riechers E-mail address: patti.riechers@dv.com PHONE: 405-228-4248

For State Use Only

APPROVED BY: L.R. Dade TITLE Dis. Supervisor DATE 8/20/13

Conditions of Approval (if any):

DVN: Double Dale Fee Com # 1

API #30-015-35539

SL: 1,600' FSL & 660' FEL

Sec 6-T24S-R29E

Eddy County, NM

8/13/13

WBS #

Purpose: Abandon Atoka; recompleat Wolfcamp Lime (Version 1)

GLM: 2,966' KBM: 2,983' KB: 17' AGL

T.D. - ~13,620' PBTD - 12,615' (cmt) Well spud - 12/20/2008

Casing and Tubing Data:

Size	Wt. lb/ft	Grade	Interval	(80% S.F.) Collapse	(80% S.F.) Burst	Drift	Capacity (bbls/ft)
13-3/8"	48	H-40	0 - 380'	-	-	-	-
9-5/8"	36	J-55	0 - 2,610'	-	2,816	-	-
7"	23	P-110; N-80	0 - 10,132'	3,064	5,072	6.241"	0.0393
4-1/2"	11.6	HCP-110	0 - 13,593'	6,920	8,552	3.875"	0.0155
2-3/8"	4.7	L-80	0 - 12,002'	9,424	8,960	1.901"	0.00387

2-3/8" x 4-1/2", 11.6# csg capacity: 0.0101 bbl/ft

4-1/2", 11.6# x 7", 23#: 0.0197 bbl/ft; 0.1106 ft3/ft

7" csg - DV Tool @ 6,673' (Circ 121 sks off DV Tool, 2nd Stage circ 60 sks to surface)

4-1/2" csg - DV Tool @ 9,887' (Circ 126 sks off DV tool, TOC @ 9,885' KBM)

Existing Production string (top down):

372 jts - 2-3/8", L-80 tbg,

10' x 2-3/8" tbg sub @ 11,992' KBM

4-1/2" x 2-3/8" AS1-X Packer w/ 1.875" stinger @ 12,002' KBM

8' x 2-3/8" tbg sub @ 12,010' KBM

1.81" "R" Profile Nipple w/ 1.769" No-Go @ 12,018' KBM

Atoka

12,102' - 12,106'

12,138' - 12,146'

12,250' - 12,254'

12,296' - 12,314'

Safety:

All personnel will wear hard hats, safety glasses with side shields, and steel toed boots while on location. Assess wellhead working height for safety. If needed, use work platform or man-lift for fall protection.

Double Dale Fee Com # 1

Procedure:

1. **Notify all regulatory agencies prior to initiation of work (if required).** Hold tailgate safety meetings prior to R.U., each morning and before each operational change or event.
2. Test and/or install and test anchors. MIRU WSU. Spot necessary enclosed tanks, gas buster with flare stack and temporary flow lines to equipment. Record pressures on tbg, and csg.
3. Top kill tbg (if necessary) with 2% KCL.
4. ND Tree (send in tree to be maintained and tested for future use). NU 10K BOPE, w/1 set of blind rams on bottom plus 1 set of 2-3/8" pipe ram on top. Test BOPE to Devon guidelines.
5. Unset 4-1/2" AS1-X packer set @ 12,002' KBM. Drop down with 4-1/2" packer to ~ 12,090' KBM to check for salt, scale or fill.
6. TOH with 2-3/8" tubing and BHA (see detail above; send in packer & nipples in to be redressed and inspected for re-use). If packer was able to drop downhole ok to 12,090' KBM, then proceed to step 7. If not, then roundtrip bit and scraper to 12,090' KBM.
7. RU WL with full lubricator. Test lubricator to Devon guidelines.
 - a. **TIH & set 4-1/2", 11.6# 10K CIBP @ 12,060' KBM.** Load 4-1/2" casing w/ 2% KCL and test CIBP and 4-1/2" csg to 2,500 psi at surface for 30 min.
 - b. Run GR – CCL – CBL from 11,000' KBM to 9,000' KBM or ~500' above top of cement (reported TOC @ DV Tool @ 9,885' KBM). Send results to OKC Engineering to discuss squeeze perf location.
 - c. Dump bail 35' of cement on top of CIBP (**New PBTD @ 12,025' KBM**) RD WL.
 - d. Perforate 4-1/2" casing with 1' - 3-1/8" slick gun loaded with 4spf (w/12 gram charges; 0.55" EHD; 4.68" Pen) just above TOC found in step 7b.

RD WL

8. Close blind rams and attempt to pump down 4-1/2" casing and out through 4-1/2" x 7" csgs annulus. Top pressure - 1,500 psi while attempting to circulate. A complete circulation is ~ 350 bbls (4-1/2" x 7" annulus volume is 195 bbls assuming perfs @ +/- 9,850' KBM). If circulation is achieved down the 4-1/2" casing, then go to step 8a, If not go to step 8b.
 - a. TIH with 4-1/2", 11.6#, 10K Cement Retainer and 2-3/8", 4.7#, L-80 tbg to ~60' above squeeze perfs. Load, circ and balance hole with 2% KCL (hydrotest tubing to 8,500 psi while TIH). Watch circ rate not to cut rubber on Cement Retainer. Set Retainer. Go to step 9
 - b. TIH with 4-1/2", 11.6#, Packer and 2-3/8", 4.7#, L-80 tbg to ~50' above squeeze perfs. Load, circ and balance hole with 2% KCL (hydrotest tubing to 8,500 psi while TIH). Watch circ rate not to cut rubber on Packer. Set Packer. Attempt to establish circulation down 2-3/8" tubing and out 4-1/2" x 7" csgs annulus. If, successful TOH and go back to step 8a and proceed.

Double Dale Fee Com # 1
Procedure (Cont.)

9. Sting in and out of cement retainer to make sure it is working properly.
10. RU Pumping Services. Test lines. Sting into cement retainer. Pump 2% KCL to determine if circulation can be achieved (below retainer) into perfs @ +/- 9,850' (top pressure 1,500 psi at surface) and out 4-1/2" x 7" annulus. If circ is achieved, pump @ minimum 200 bbls of 2% KCL once circulation is established. Shut down & sting out of retainer.
11. RU BHI cementing services (proposal # 905750119A) or equivalent. Test lines. Sting into retainer.
 - a. Establish circ & pump 20 bbls fresh water ahead
 - b. Mix & pump ~ 250 sks Class H 50/50 pozmix cement (catch surface samples of cmt). Desired cement interval ~ 9,850' - 7,500'
 - c. Flush with ~ 37 bbls fresh water, leaving at minimum, 1 bbl cement in tbg prior to stinging out of retainer.
 - d. Sting out of retainer and pick up 2-3/8" tbg 2' and reverse circ clean with a minimum 1-1/2 times (~55 bbls) tubing capacity with 2% KCL or until clean. Report any/all cement returns volumes noted.
 - e. TOH with 2-3/8" tbg and cement stinging tool (remove stinging tool)
 - f. RD BHI or equivalent cementing services
 - g. Run kill string and SWI a minimum of 72 hrs (check surface samples for hardness)
12. TIH with 3-7/8" rock bit, x/o, 2-7/8" drill collars (4-6), x/o, bumper sub and 2-3/8" tubing to cement cap on top of retainer. Drill out cement, cement retainer and cement below retainer to ~10' above squeeze perfs. Circ clean. Test casing to 2,500 psi for 30 min. TOH w/ drilling BHA and tubing.
13. RU WL with packoff. Run GR-CCL-CBL from +/- 9,840' KBM PBTD to 200 ft above TOC. If TOC with good cement bond is below 7,500' KBM, contact OKC Engineering; otherwise proceed to the next step.
14. RU WL full lubricator. Test lubricator to Devon specifications. TIH w/ 3-1/8" slick guns loaded, 2 SPF 120 deg phasing (w/22.7 gram charges 322T; 0.43" EHD; 37.02"Pen). Correlate to open hole neutron log (Halliburton – Spectral Density Dual Spaced Neutron log dated January 9th, 2009.) **Perforate the Wolfcamp Lime from 9,780' - 9,805' 25' (50 holes).**
15. TIH with WEG (wireline entry guide), 1.81" "R" Profile Nipple (w/1.769" No-Go), 8' x 2-3/8", 4.7# L-80 tubing sub, 4-1/2", 11.6# x 2-3/8" AS1 – X (10K) packer w/1.875" stinger, 10' x 2-3/8", 4.7# L-80 tubing lift sub and 2-3/8", 4.7#, L-80 tubing to ~ 9,730' KBM with packer (hydrotest to 8,500 psi while TIH).
16. MIRU BHI Acid crew or equivalent and test lines. Apply 500 psi on tbg/csg annulus & monitor throughout job (have pop off on 4-1/2" csg by 2-3/8" tbg annulus to go off at 1,000 psi to blowback tank). Acid stimulate the Wolfcamp Lime @ 9,780' - 9,805' w/ 5,000 gals 15% HCL (containing 40 bio balls) via tbg per BHI (proposal # 905750121A). Top surface pressure 8,000 psi. Let acid react 2 hrs while RD BHI.

Double Dale Fee Com # 1

Procedure (Cont.)

17. Flowback load and flow test well. If necessary, RU swab equipment. Swab back acid job load. Once load is recovered, make hourly swab runs. Record fluid entry & oil cut and report/discuss with OKC Engineering before proceeding to Step 18. RD Swab.
18. TOH w/ 4-1/2", 11.6#, AS1-X (10K) packer BHA and 2-3/8", 4.7#, L-80 tubing.
19. PU & TIH w/ 15' - 20' - 2-3/8" slotted MA (w/bull plug on btm – **length will be dependent on NEW PBTB DEPTH from step 12**), 2-3/8" SSN, 13 jts of 2-3/8", 4.7#, L-80 tbg, 2-3/8" x 4-1/2" (11.6#) TAC and 2-3/8", 4.7#, L-80 tubing. Place SN @ ~ 9,825' KBM. Set TAC @ +/- 9,425' KBM. ND BOPE. NU WH.
20. NU rod rams. PU & TIH w/ pump & rods as follow:

2" x 1-1/2" pump
1 (2') 7/8" Norris 96 rod sub (lift sub)
1 (1') shear coupling
1 stabilizer bar
8 (200') – 1-1/2" C sinker bars (no neck)
246 (6,150') – 3/4" Norris 96 rods
139 (3,475') – 7/8" Norris 96 rods

Space out rods, seat pump and hang off.

21. MI, set & level 912-365-168 pumping unit.(put unit in #1 hole)
22. RDMO & turn well over to production. Rod design is for ~ 200 bbls/day of total fluid @ 7 spm

Contact	Company	Office #	Mobile #
Ron Hays	Devon (engr)	(405) 552 - 8150	(405) 464 - 4214
Ronnie Carre	Devon (cmpl supv)	(575) 748 - 0179	(575) 748 - 5528
Tony Bunch	Devon (cmpl supv)	(575) 746 - 5581	(575) 499 - 5432

RECEIVED
AUG 20 2013
NMOCD ARTESIA

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: DOUBLE DALE FEE COM 1	Field: POTATO BASIN AREA UNASSIGNED
Location: 1600' FSL & 660' FEL; SEC 6-T24S-R29E	County: EDDY State: NM
Elevation: 2983' KB; 2966 GL; 17' KB to GL	Spud Date: 12/20/08 Compl Date: 3/19/09
API#: 30-015-35539 Prepared by: Ronnie Slack	Date: 9/27/12 Rev:

17-1/2" Hole
13-3/8", 48#, H40, ST&C, @ 380'
Cmt'd w/400 sx to surface

12-1/4" Hole
9-5/8", 36#, J55, ST&C, @ 2,610'
Cmt'd w/1125 sx to surface

FORMATION TOPS

Bell Canyon	2784'
Cherry Canyon	3636'
Brushy Canyon	5559'
Bone Spring	6557'
Wolfcamp	9970'
Strawn	11760'
Atoka	12025'

RECEIVED
AUG 20 2013
NMOCD ARTESIA

DV Tool @ 6,673'

372 Jts, 2-3/8", L80 production tubing (5/13/09 sundry)

DV Tool @ 9,887'

8-3/4" Hole
7", 23#, P110 & N80, LTC, @ 10,132'
Cmt'd Stg 1-450 sx, Stg 2-1100 sx to surface

ATOKA
12,102' - 12,146'
12,250' - 12,314'

MORROW
12,691' - 12,827'

MORROW
12,958 - 12,965

MORROW
13,362 - 13,377

Packer @ 12,002' (per cmpl rpt-5/19/09)

35' cement
CIBP @ 12,650'

35' cement
CIBP @ 12,925'

35' cement
CIBP @ 13,290'

6-1/8" Hole
4-1/2", 11.6#, HCP-110, @ 13,593'
Cmt'd w/280 sx, cir 126 sx off DV tool, TOC @ 9884'

13,620' TD

742