

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 August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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.)		WELL API NO. 30-015-40987
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 W. Sheridan, Oklahoma City, OK 73102 Phone: (405) 552-7970		7. Lease Name or Unit Agreement Name Burton Flat Deep Unit SWD
4. Well Location Unit Letter <u>N: 330</u> feet from the <u>South</u> line and <u>1550</u> feet from the <u>West</u> line Section <u>2</u> Township <u>21S</u> Range <u>27E</u> NMPM <u>Eddy</u> , <u>County</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3230.0'</u>		9. OGRID Number <u>6137</u>
		10. Pool name or Wildcat SWD; Delaware

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: Change to original APD ☒

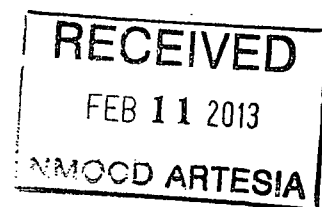
OTHER: ☐

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 Company, LP respectfully requests to deepen the depth of the Burton Flat Deep Unit SWD #1 original APD. Please see the attached for a description of the procedure that will be performed.

Attachments:

Procedure Description
Geoprog



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

SIGNATURE: Erin Workman

TITLE: Regulatory Compliance Associate

DATE: 02/07/13

Type or print name: Erin Workman

E-mail address: Erin.workman@dmv.com

PHONE: 405-552-7970

For State Use Only

APPROVED BY: J. C. Shuard

TITLE: Geologist

DATE: 2/14/2013

Conditions of Approval (if any):

02/07/13

Burton Flat Deep Unit SWD #1

30-015-40987

Sec. 2-T21S-R27E

Original TD: 5,400'

Original Casing Point: 5,400'

Original Production Casing: 7" 26# P-110 LTC

Original Production Cement Volume:

7" Production Liner

Tail: 500 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg

Yield: 1.22 cf/

Revised TD: 14,500'

Revised Casing Point: 12,155'

Revised Production Casing: 7" 29# P-110 LTC

Revised Production Cement Volume:

7" Production Liner TD

Lead 6605 ft 675 Sks (65:35) Class C Cement : Poz + 5% bwow Sodium Chloride+ 0.125 #/sk Poly E Flake + 6% bwoc Bentonite @ 12.9 # /Gal

Tail: 3000 ft. 500 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg

Yield: 1.22 cf/ 25% excess

Geologic Prognosis

PROSPECT NAME:	Burton Flat Deep Unit SWD #1	AFE #xxxxxx	API #30-015-40987
SURFACE LOCATION:	330' FSL & 1550' FWL 02-21S-27E	GR: 3230.2	
PROJECTED BHL:	330' FSL & 1550' FWL 02-21S-27E	Tops called from KB: 3255.2	
TOTAL PERMITTED DEPTH:	14,500	PRIMARY OBJECTIVE:	Devonian/Silurian/Ordovician
DEPTH TO FRESH WTR:	20' in Rustler per St Engr Office	WATERS on-line database	Proposed Unit: SWD
BHP: 2300 psi	BHT: 90 deg F	(C 03525; NENENE 2-21S/27E)	Proposed Unit:
Pool Name:		Rig	H&P #223 Flex-3
		Drig Consultant:	Mark Petroski/Ronnie Barrett
			1-575-748-5716 handheld
			1-575-993-5256 satellite
		Devon Contacts:	Kurtis Schmitz
			(405) 552-8042 w
			(405) 420-6775 c
			(Dee Smith 405-552-4780 work, 405-826-2103 cell)

HARD LINES FOR DIRECTIONAL PLAN:

The only hardline is 330' FSL.

NOTE: Burton Flat Deep Unit 5 was drilled to 11,574' MD and is located ~475' NE of the planned location. The well is P&A'd.

Reference wells: most recently drilled, nearest offsets drilled to a comparable depth, etc. (see correlation tab)

WELL	LOCATION
Devon BFDU #38 (comp 1986)	SESE 2-21S-27E
Monsanto BFDU #5 (comp 1973)	SESW 2-21S-27E
Devon BFDU #37 (comp 1985)	NESE 2-21S-27E
Mewbourne Alacran Hills 11 Fed 1 (comp Apr-2004)	N2SWNW 11-21S-27E

Geological Markers: (estimated formation tops, faults, pressure, lost circulation zones, etc.)

FORMATION (VERTICAL WELLBORE)	DEPTH (tvd)	O/G/W	Wellbore path	Penetration Pts (md)	EST. DEPTH (md)
Rustler	Surface	water @ ~20'	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	Surface
Salado (halite)	170	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	170
Base of Salt (change to anhy)	357	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	357
Tansil Dolo	469	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	469
Yates	505	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	505
Lower Yates	623	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	623
Seven Rivers	710	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	710
Capitan	840	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	840
B/Capitan	2755	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	2,755
Delaware	2910	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	2,910
Lower Brushy Canyon	5072	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	5,072
Bone Spring Lm	5305	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	5,305
1st Bone Spring Sand	6557	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	6,557
2nd Bone Spring Lime	6793	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	6,793
2nd Bone Spring Sand	7279	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	7,279
3rd Bone Spring Lime	7745	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	7,745
3rd Bone Spring Sand	8587	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	8,587
Wolfcamp	9011	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	9,011
Strawn	10202	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	10,202
Atoka	10708	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	10,708
Morrow	11154	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,154
Lower Morrow	11491	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,491
Mississippian	11690	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,690
Mississippian Lime	12030	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,030
Woodford	12055	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,055
Devonian/Silurian/Ordovician	12155	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,155
PTD	14,500				14,500

PROBABLE LOGGING PROGRAM:

LOGS	INTERVAL
Schlumberger (PEX w/ HRLA-HNGS, Litho-Density/Neutron)	TD to Top 7" Casing

PROBABLE CORES/DSTs

FORMATION	DEPTH
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MUDLOGGING

SERVICE LEVEL	INTERVAL
2-man unit	base surface casing (575') to TD

Known or Potential Hazards/Remarks (pressure, lost circ., faulting): none observed in offsets

From CR 206 (Illinois Camp) and CR 600 (Rains Rd.) go EAST on CR 600 for 1.4 MILES, road turns to caliche. Bend LEFT and go EAST-NORTHEAST 2.0 MILES, bend RIGHT and go EAST 0.4 MILES, turn RIGHT and go SOUTHEAST 0.6 MILES, turn RIGHT and go WEST 270 FT and location is on the LEFT 150 FT.