

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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MAY 08 2012

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NMOC D ARTESIA

Lease Serial No.
SH:K4562; NM036379

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., ☐ Other		7. Unit or CA Agreement Name and No NM 709284	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		8. Lease Name and Well No Cotton Draw Unit 135H	
3. Address 20 North Broadway, Oklahoma City, OK 73102-8260		9. API Well No 30-015-38533	
3a. Phone No. (include area code) 405-235-3611		10. Field and Pool, or Exploratory Bone Spring	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 200 FSL 1600 FWL At top prod. Interval reported below At total Depth 2626 FSL 1001 FWL SEC 35 PP: 85 FSL 1745 FWL		11. Sec, T, R, M, on Block and Survey or Area N SEC 2 T25S R31E	
14. Date Spudded 4/2/2011		15. Date T.D. Reached 8/23/2011	
16. Date ☐ Drilled ☒ Ready to Prod. 4/7/2012		17. Elevations (DR, RKB, RT, GL)* 3420'	

18. Total Depth. MD TVD	16,536' 8744'	19. Plug Back T.D.: MD TVI	16,471'	20. Depth ☐ Bridge ☐ Plug Set ☐ MD No ☐ Yes (Submit analysis) TVI
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)				22. Was well coring? ☒ No ☐ Yes (Submit report) ☒ No ☐ Yes (Submit copy) Was DST run? Directional Survey?

CALIPER/PLTFRM/EXP/THRE/DET/LITHO/DENS/COMP/NEUTRON/HNGS;HI/RES/LAT/LOG/ARR
AY/MICRO/CFL/HNGS;CBL

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H-40	48#	0	707'		670sx CI C; Circ 238sx		Surface	
12 1/4"	9 5/8" J-55	40#	0	4284'	TOC 3980'	1210sx CI C; Circ 363 sx		Surface	
8 1/2"	5/12" P110	20#	0	16,519'	DV @ 5995'				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"								

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Paduca; Upper Bone Spring	9,146	16,456	9146-16,456'			Producing

Accepted for record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc		Amount and Type of Material
Depth Interval		
9146-16,456'		w/ total: 1,893,200 20/40 white sd; 217,900 30/50 white sd; 625,100 40/70 white sd; 80,000 10 mesh white sd and 80K-... gals 7.5% HCL. See attached summary.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/7/2012	4/7/2012	24	→	579	2624	928	4532		Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	579	2624	928	4,532		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

Accepted for record
s/ [signature] NMOC D 705

RECLAMATION
DUE 10-7-12

ACCEPTED FOR RECORD
Pumping
MAY 6 2012
CARLSBAD FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Ibg. Press Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas . Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Ibg. Press Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas . Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

Disposition of Gas (Sold, used for fuel, vented, etc.)

sold

Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof; Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Bell Canyon	4348	5323	SW	Rustler	555'
Cherry Canyon	5323	6579	SW	Salado	941'
Brushy Canyon	6579	8271	Oil	Salt	989'
Bone Spring	8271 TD		Oil/Gas	Base Salt	4085'
				Delaware/Lamar	4316'
				Bell Canyon	4348'
				Cherry Canyon	5323'
				Brushy Canyon	6579'
				Bone Spring	8271'

Additional remarks (include plugging procedure)



Circle enclosed attachments:

33. Indicate which items have been attached by placing a check in the appropriate box

Electrical/Mechanical Logs (1 full set req'd)

Geologic Report

DST Report

Directional Survey

Sundry Notice for plugging and cement verification

Core Analysis

Other

Name (Please print)

Judy A. Barnett X8699

Title

Regulatory Specialist

Signature

Date

4/26/2012

18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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2012 APR 27 AM 11:52

BUREAU OF LAND MGMT
CARLSBAD FIELD OFFICE



Stimulations Summary

District	County			Field Name			Project Group			State/Province							
PERMIAN BASIN				EDDY			AVALON SHALE			PB NEW MEXICO			NM				
Surface Legal Location				API/UWI		Latitude (DMS)		Longitude (DMS)		Ground Elev.		KB - GL (ft)		Orig KB Elev (ft)		TH Elev (ft)	
SEC 2 T25S R31E				3001538533		32° 9' 9.94" N		103° 45' 7.405" W		3,420.80		26.20		3,447.00			
HYDRAULIC FRAC, 1/8/2012 06:14, AVALON SHALE, OH, 16,284.0 ftKB - 16,456.0 ftKB, BHI, 59585 LBS; Ottawa 82567 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	6273.70		6,850.0			5,480.0	65	6,698.0	70	2.00							
HYDRAULIC FRAC, 1/23/2012 07:55, AVALON SHALE, OH, 15,671.0 ftKB - 16,021.0 ftKB, BHI, White sand 62941 LBS; 30001 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	6078.10	162.0	1,355.0	4,487.0	3,038.0	5,776.8	55	6,609.0	70	1.00							
HYDRAULIC FRAC, 1/23/2012 14:53, AVALON SHALE, OH, 15,236.0 ftKB - 15,586.0 ftKB, BHI, 31409 LBS; White sand 60640.4 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5675.70	1,243.0	1,255.0	4,933.0	1,805.0	5,787.0	57	6,107.0	71	1.00							
HYDRAULIC FRAC, 1/23/2012 19:19, AVALON SHALE, OH, 14,801.0 ftKB - 15,151.0 ftKB, BHI, 0 LBS; White sand 5439 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	1830.00	1,155.0	1,109.0	3,615.0	4,107.0	5,982.0	68	8,181.0	71	0.50							
HYDRAULIC FRAC, 1/24/2012 06:32, AVALON SHALE, OH, 14,366.0 ftKB - 14,716.0 ftKB, BHI, White sand 82982.098 LBS; 59531.599 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5821.50	928.0	1,170.0	5,555.0	1,945.0	5,195.0	67	5,568.0	72	2.00							
HYDRAULIC FRAC, 1/24/2012 11:14, AVALON SHALE, OH, 13,931.0 ftKB - 14,281.0 ftKB, BHI, 58785.2 LBS; White sand 83914.101 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5738.40	1,070.0	1,271.0	4,482.0	2,031.0	5,309.0	68	5,618.0	71	2.00							
HYDRAULIC FRAC, 1/24/2012 15:20, AVALON SHALE, OH, 13,496.0 ftKB - 13,846.0 ftKB, BHI, 60007 LBS; White sand 90442.6 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	6006.50	1,102.0	1,311.0	4,822.0	2,657.0	5,323.0	65	5,779.0	71	2.00							
HYDRAULIC FRAC, 1/24/2012 20:12, AVALON SHALE, OH, 13,061.0 ftKB - 13,411.0 ftKB, BHI, 60992 LBS; White sand 82970.198 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	6052.20	1,095.0	1,368.0	5,773.0	2,435.0	5,559.0	65	5,915.0	71	2.00							
HYDRAULIC FRAC, 1/25/2012 07:13, AVALON SHALE, OH, 1,693.0 ftKB - 16,282.0 ftKB, BHI, 60009 LBS; Ottawa 82994 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5987.50	1,037.0	1,314.0	4,436.0	2,522.0	5,644.0	63	6,104.0	71	2.00							
HYDRAULIC FRAC, 1/25/2012 11:28, AVALON SHALE, OH, 1,693.0 ftKB - 16,282.0 ftKB, BHI, 59143 LBS; Ottawa 32954 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5710.50	1,061.0	1,338.0	4,978.0	2,312.0	5,448.0	65	5,833.0	72	1.00							
HYDRAULIC FRAC, 1/25/2012 15:10, AVALON SHALE, OH, 11,756.0 ftKB - 11,932.0 ftKB, BHI, 58664 LBS; Ottawa 82951 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5927.90	1,090.0	1,300.0	4,329.0	2,133.0	5,273.0	67	5,833.0	70	2.00							
HYDRAULIC FRAC, 1/25/2012 19:12, AVALON SHALE, OH, 1,693.0 ftKB - 16,282.0 ftKB, BHI, 58774 LBS; Ottawa 82956 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5932.20	1,211.0	1,488.0	4,856.0	2,160.0	5,209.0	69	6,648.0	70	2.00							
HYDRAULIC FRAC, 1/26/2012 07:22, AVALON SHALE, OH, 10,886.0 ftKB - 11,236.0 ftKB, BHI, Ottawa 82846 LBS; 58977 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5957.20	944.0	1,061.0	5,519.0	2,088.0	5,021.0	67	5,424.0	70	2.00							
HYDRAULIC FRAC, 1/26/2012 11:03, AVALON SHALE, OH, 10,451.0 ftKB - 10,801.0 ftKB, BHI, Ottawa 82947 LBS; 58035 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5899.70	972.0	1,232.0	4,282.0	2,318.0	4,526.0	66	4,951.0	70	2.00							
HYDRAULIC FRAC, 1/26/2012 14:44, AVALON SHALE, OH, 10,016.0 ftKB - 10,366.0 ftKB, BHI, 60018 LBS; Ottawa 82954 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5958.50	1,005.0	1,376.0	4,142.0	2,472.0	4,890.0	67	5,271.0	70	2.00							
HYDRAULIC FRAC, 1/26/2012 18:07, AVALON SHALE, OH, 9,581.0 ftKB - 9,931.0 ftKB, BHI, 60180 LBS; Ottawa 82963 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	5970.00	1,034.0	1,313.0	6,459.0	2,293.0	5,285.0	65	6,050.0	72	2.00							
HYDRAULIC FRAC, 1/27/2012 07:02, AVALON SHALE, OH, 9,146.0 ftKB - 9,496.0 ftKB, BHI, 88766 LBS; Ottawa 112887 LBS																	
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/mi)	P (max) (psi)	Rate (max) (bbl/m	Max Conc							
202,950.0	6170.50	850.0	1,382.0	4,599.0	2,183.0	4,821.0	66	5,432.0	70	3.00							