

OCD Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
EXPIRES: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

5. Lease Serial No.

NM044594

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

Aquila 22 Fed 2H

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

9. API Well No.

30-015-40755

3a. Address

333 WEST SHERIDAN, OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

405-235-3611

10. Field and Pool, or Exploratory

Lusk; Bone Spring West

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1040 FNL 50 FEL

A 22 T19S R31E

11. County or Parish, State

Eddy, NM

BHL: 1997 FNL & 363 FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other <u>Completion Report</u>
	☐ Change Plans ☐ Plug and Abandon ☐ Temporary Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

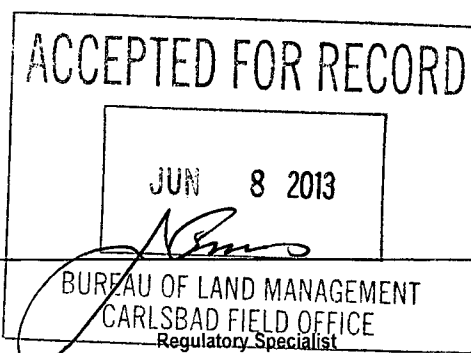
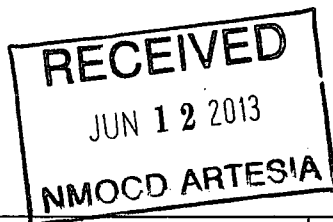
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following the completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1/2/13 - 1/26/13

MIRU Key. NU BOP. Drlg DV Tool. Test csg 1000 psi, 15 min good. CHC. RIH w/ tbg. Pump KCL wtr DH. RIH w/ CBL. TOC @ 1750'. PT csg to 3000 psi, good. RIH w/ TCP guns & perf from 9400 - 14,047'. Acidize and frac w/8 stages as follows in the attached detailed summary. RDMO WL. FWB. NU BOP. Test blind to 3000 psi, good. DO plugs. Tag PBTD @ 14,073'. RIH w/ sub pump & set @ 8459'. Rlse Rig. TOP.

Accepted for record

LDade 6/20/2013



14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Judy A. Barnett x8699

Title

Date

5/10/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 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 to any matter within its jurisdiction.

Stimulations Summary

District	County	Field Name				Project Group			State/Province		
PERMIAN BASIN	EDDY	HACKBERRY				DELAWARE BASIN			NM		
Surface Legal Location		API/UWI	Latitude (°)		Longitude (°)		Ground Elev	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)	
SEC22 T19S R31E		3001540755	32° 39' 1.291" N		103° 50' 55.365" W		3,536.80	26.20	3,563.00		
HYDRAULIC FRAC , 1/14/2013 09:06 , BONE SPRING, OH , 13,641.0 ftKB - 14,045.0 ftKB, HALLIBURTON , 100M WHITE 122.017 SACKS; 16/30 SUP											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	4645.83					2,236.0	4,861.0	79	5,706.0	85	4.00
HYDRAULIC FRAC , 1/14/2013 10:50 , BONE SPRING, OH , 13,035.0 ftKB - 13,439.0 ftKB, HALLIBURTON , 100M WHITE 121.445 SACKS; 20/40 Pre											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	4979.19					2,436.0	4,344.0	79	5,254.0	84	4.00
HYDRAULIC FRAC , 1/14/2013 15:09 , BONE SPRING, OH , 12,429.0 ftKB - 12,833.0 ftKB, HALLIBURTON , 100M WHITE 125.474 SACKS; 16/30 SUP											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	4938.00					2,421.0	4,247.0	80	5,388.0	83	4.00
HYDRAULIC FRAC , 1/14/2013 18:53 , BONE SPRING, OH , 11,823.0 ftKB - 12,227.0 ftKB, HALLIBURTON , 100M WHITE 45.042 SACKS; 16/30 SUPE											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	5430.05					2,412.0	5,494.0	79	6,362.0	80	4.00
HYDRAULIC FRAC , 1/15/2013 11:34 , BONE SPRING, OH , 11,218.0 ftKB - 11,622.0 ftKB, HALLIBURTON , 100M WHITE 105.013 SACKS; 16/30 SUP											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	5141.07					2,479.0	4,704.0	80	5,269.0	85	4.00
HYDRAULIC FRAC , 1/16/2013 07:08 , BONE SPRING, OH , 10,612.0 ftKB - 11,016.0 ftKB, HALLIBURTON , 100M WHITE 96.37 SACKS; 16/30 SUPE											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	4764.45					2,511.0	4,400.0	80	4,838.0	85	4.00
HYDRAULIC FRAC , 1/16/2013 09:06 , BONE SPRING, OH , 10,006.0 ftKB - 10,410.0 ftKB, HALLIBURTON , 100M WHITE 92.756 SACKS; 16/30 CRC											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	5140.12					2,399.0	4,290.0	79	4,683.0	80	4.00
HYDRAULIC FRAC , 1/16/2013 12:03 , BONE SPRING, OH , 9,400.0 ftKB - 9,804.0 ftKB, HALLIBURTON , 100M WHITE 95.483 SACKS; 16/30 CRC 71											
Proppant De	Total Clean Volu	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur	Q Treat Avg (bbl/	P Max (psi)	Q Treat Max (bbl/	Conc Max	
300,000.0	4896.36					2,259.0	3,653.0	80	3,975.0	81	4.00

Proppant Summary by Stage

District PERMIAN BASIN			County EDDY		Field Name HACKBERRY			Project Group DELAWARE BASIN			State/Province NM	
Surface Legal Location SEC22 T19S R31E			API/UWI 3001540755		Latitude (°) 32° 39' 1.291" N		Longitude (°) 103° 50' 55.365" W		Ground Elev MSL (ft) 3,536.80	KB - Ground Level (ft) 26.20	Orig KB Elevation (ft) 3,563.00	Tubing Head Elevation (ft)
Stage #	Date	Total Clean Volume Pumped (bbl)	Proppant Design (lb)	Proppant Fm (lb)	Proppant WB (lb)	Conc Max (lb/gal)	BH Conc Max (lb/gal)	Total Add Amount				
1	1/14/2013 09:06	4645.83	300,000.0	290,179.0		4.00	4.00	100M WHITE 122.017 SACKS; 16/30 SUPER LC 298 SACKS; 20/40 WHITE 2481.734 SACKS				
2	1/14/2013 10:50	4979.19	300,000.0	296,913.1		4.00		100M WHITE 121.445 SACKS; 20/40 Premium White 2507.173 SACKS; 30/50 CRC 340.442 SACKS				
3	1/14/2013 15:09	4938.00	300,000.0	305,577.0		4.00	4.00	100M WHITE 125.474 SACKS; 16/30 SUPER LC 359 SACKS; 20/40 WHITE 2572.108 SACKS				
4	1/14/2013 18:53	5430.05	300,000.0	273,182.1		4.00	4.00	100M WHITE 45.042 SACKS; 16/30 SUPER LC 401 SACKS; 20/40 WHITE 2285.706 SACKS				
5	1/15/2013 11:34	5141.07	300,000.0	299,388.0		4.00	4.00	100M WHITE 105.013 SACKS; 16/30 SUPER LC 326 SACKS; 20/40 WHITE 2562.931 SACKS				
6	1/16/2013 07:08	4764.45	300,000.0	286,428.1		4.00	4.00	100M WHITE 96.37 SACKS; 16/30 SUPER LC 325 SACKS; 20/40 WHITE 2442.799 SACKS				
7	1/16/2013 09:06	5140.12	300,000.0	308,005.0		4.00		100M WHITE 92.756 SACKS; 16/30 CRC 406.69 SACKS; 20/40 Premium White 2580.605 SACKS				
8	1/16/2013 12:03	4896.36	300,000.0	339,328.0		4.00		100M WHITE 95.483 SACKS; 16/30 CRC 713 SACKS; 20/40 Premium White 2585.143 SACKS				

AQUILA 22 FED 2H - Permian Basin Stimulation Summary - Page No. 1 - Date: 5/8/2013

Stage #	Date	Type	Zone	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Proppant Frm. (lb)	Proppant Design (lb)	Total Clean Volume Pumped (bbl)	Conc Max (lb/gal)	P Max (psi)	ISIP (psi)	Q Start Max (bbl/min)
1	1/14/2013 09:06	HYDRAULIC FRAC	BONE SPRING, OH	13,641.0	14,045.0	290,179.0	300,000.0	4645.83	4.00	5,706.0	2,236.0	81
2	1/14/2013 10:50	HYDRAULIC FRAC	BONE SPRING, OH	13,035.0	13,439.0	296,913.1	300,000.0	4979.19	4.00	5,254.0	2,436.0	80
3	1/14/2013 15:09	HYDRAULIC FRAC	BONE SPRING, OH	12,429.0	12,833.0	305,577.0	300,000.0	4938.00	4.00	5,388.0	2,421.0	80
4	1/14/2013 18:53	HYDRAULIC FRAC	BONE SPRING, OH	11,823.0	12,227.0	273,182.1	300,000.0	5430.05	4.00	6,362.0	2,412.0	80
5	1/15/2013 11:34	HYDRAULIC FRAC	BONE SPRING, OH	11,218.0	11,622.0	299,388.0	300,000.0	5141.07	4.00	5,269.0	2,479.0	80
6	1/16/2013 07:08	HYDRAULIC FRAC	BONE SPRING, OH	10,612.0	11,016.0	286,428.1	300,000.0	4764.45	4.00	4,838.0	2,511.0	81
7	1/16/2013 09:06	HYDRAULIC FRAC	BONE SPRING, OH	10,006.0	10,410.0	308,005.0	300,000.0	5140.12	4.00	4,683.0	2,399.0	80
8	1/16/2013 12:03	HYDRAULIC FRAC	BONE SPRING, OH	9,400.0	9,804.0	339,328.0	300,000.0	4896.36	4.00	3,975.0	2,259.0	80