

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 31 2013
NMOCD ARTESIA

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other ☐		5. Lease Serial No. NM0107697; NMLC0029358							
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., ☐		6. If Indian, Allottee or Tribe Name							
Other: _____		7. Unit or CA Agreement Name and No.							
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		8. Lease Name and Well No. Mimosa 24 Fed Com 1H							
3. Address 333 WEST SHERIDAN, OKLAHOMA CITY, OK 73102		9. AFI Well No. 30-015-40626							
3a. Phone No. (include area code) 405-235-3611		10. Field and Pool or Exploratory Lusk; Bone Spring West							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 582 FNL 275 FWL At top prod. Interval reported below At total Depth 390 FNL & 756 FEL SEC 24 PP: 579 FNL & 293 FWL		11. Sec, T., R., M., on Block and Survey or Area D 24 19S 31E							
12. County or Parish Eddy		13. State NM							
14. Date Spudded 12/25/12	15. Date T.D. Reached 1/31/13	16. Date Completed ☒ 3/15/13 D & A Ready to Prod.							
17. Elevations (DR, RKB, RT, GL)* 3537' GL									
18. Total Depth: MD 13,679' TVD	19. Plug Back T.D.: MD 13,631' TVD	20. If Bridge Set: MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cased? ☒ No Yes (Submit analysis) Was DST run? ☐ No Yes (Submit report) Directional Survey? ☐ No Yes (Submit copy)							
CBL;BH/LOG;HI/RES/LAT/LOG/ARRAY/MICRO/CFL/SPECTR/GR;COMP/NEUT/LOG/THREE/DET/LITH/DES/SPEC/GR									
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
26"	20" J-55	94#	0	738'		1175 sx Cl C; Circ 300 sx		Surface	
17 1/2"	13 3/8" J-55	68#	0	2627'		1855 sx C; Circ 542 sx		Surface	
12 1/4"	9 5/8" J-55	40#	0	4779'	TOC @ 1690'	1595 sx Cl C; Circ 347 sx		CBL	
8 3/4"	PH			9600'	DV @ 5512'	435 sx H			
8 3/4"	5 1/2" P110	17#		13,679'		1850 sx H; 300 sx C; Circ 293 sx			
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"	8954'								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Bone Spring	9,500	13,605	9500-13605		288	Producing			
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
9500-13605'	Frac & acidize perms in 8 stages (see attached detailed 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
3/15/13	3/15/13	24	→	500	318	1162			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	500	318	1162			
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
			→						
E	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

RECLAMATION
DUE 9-15-13

ACCEPTED FOR RECORD

Production Method
MAY 25 2013

BUREAU OF LAND MANAGEMENT
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	Tbg. 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	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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

30. 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
				Salt	918'
				Base Salt	2250'
				Yates	2410'
				Capitan	2650'
				Delaware	4797'
				Bone Spring Fm	7021'
				3rd Bone Spring Lm	9444'

32. Additional remarks (include plugging procedure):

☐
☐
☐
☐
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☐
☒

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

Electrical/Mechanical Logs (1 full set req'd)
Sundry Notice for plugging and cement verification

Geologic Report
Core Analysis

DST Report
Other

Directional Survey

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction)*

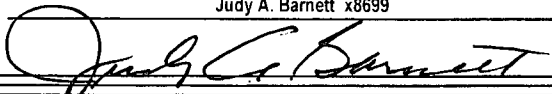
Name (please print)

Judy A. Barnett x8699

Title

Regulatory Specialist

Signature



Date

5/13/2013

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.



Stimulations Summary

District PERMIAN BASIN	County EDDY	Field Name HACKBERRY	Project Group DELAWARE BASIN	State/Province NM						
Surface Legal Location SEC24 T19S R31E		API/UWI 3001540626	Latitude (°) 32° 39' 5.916" N	Longitude (°) 103° 49' 49.775" W	Ground Elev... 3,537.00	KB - GL (ft) 26.20	Orig KB Elev (ft) 3,563.20	Tubing Head Elevation (ft)		
HYDRAULIC FRAC , 2/14/2013 08:00 , BONE SPRING, ST01 , 13,246.0 ftkB - 13,605.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 225633.8 LB; S										
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...
289,925.1	4935.70	2,580.0	2,389.0		2,661.0	5,734.0	78	6,760.0	80	4.00
HYDRAULIC FRAC , 2/14/2013 11:39 , BONE SPRING, ST01 , 12,711.0 ftkB - 13,070.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 229523.8 LB; S										
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...
289,925.1	5114.10	2,389.0	2,659.0		2,659.0	4,790.0	80	6,285.0	81	4.00
HYDRAULIC FRAC , 2/14/2013 14:56 , BONE SPRING, ST01 , 12,176.0 ftkB - 12,535.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 225705.1 LB; S										
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...
289,925.1	4996.90	2,176.0	2,556.0		2,957.0	4,710.0	80	5,419.0	80	4.00
HYDRAULIC FRAC , 2/14/2013 18:14 , BONE SPRING, ST01 , 11,641.0 ftkB - 11,999.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 219465.7 LB; S										
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...
289,925.1	4936.50	2,235.0	2,553.0		2,795.0	4,603.0	80	5,640.0	80	4.00
HYDRAULIC FRAC , 2/15/2013 06:56 , BONE SPRING, ST01 , 11,106.0 ftkB - 11,464.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 221226.9 LB; S										
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...
289,925.1	4898.90	1,900.0	2,523.0		2,695.0	4,692.0	80	5,766.0	81	4.00
HYDRAULIC FRAC , 2/15/2013 09:58 , BONE SPRING, ST01 , 10,570.0 ftkB - 10,929.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 225377.9 LB; S										
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...
289,925.1	4964.30	2,274.0	2,529.0		2,787.0	4,631.0	80	6,540.0	80	4.00
HYDRAULIC FRAC , 2/15/2013 12:47 , BONE SPRING, ST01 , 10,035.0 ftkB - 10,394.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 225058 LB; 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...
289,925.1	4969.40	2,261.0	2,522.0		2,736.0	5,064.0	79	6,389.0	81	4.00
HYDRAULIC FRAC , 2/15/2013 15:44 , BONE SPRING, ST01 , 9,500.0 ftkB - 9,859.0 ftkB, BAKER HUGHES , OTTAWA Bulk Sand 230697.3 LB; 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...
289,925.1	4940.00	2,260.0	2,624.0		2,960.0	4,734.0	80	6,285.0	81	4.00

MIMOSA 24 FED COM 1H - Permian Basin Stimulation Summary - Page No. 1 - Date: 5/8/2...

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	2/14/2013 08:00	HYDRAULIC FRAC	BONE SPRING, ST01	13,246.0	13,605.0	289,076.1	289,925.1	4935.70	4.00	6,760.0	2,661.0	80
2	2/14/2013 11:39	HYDRAULIC FRAC	BONE SPRING, ST01	12,711.0	13,070.0	301,785.1	289,925.1	5114.10	4.00	6,285.0	2,659.0	81
3	2/14/2013 14:56	HYDRAULIC FRAC	BONE SPRING, ST01	12,176.0	12,535.0	290,531.1	289,925.1	4996.90	4.00	5,419.0	2,957.0	80
4	2/14/2013 18:14	HYDRAULIC FRAC	BONE SPRING, ST01	11,641.0	11,999.0	290,531.1	289,925.1	4936.50	4.00	5,640.0	2,795.0	80
5	2/15/2013 06:56	HYDRAULIC FRAC	BONE SPRING, ST01	11,106.0	11,464.0	290,531.1	289,925.1	4898.90	4.00	5,766.0	2,695.0	81
6	2/15/2013 09:58	HYDRAULIC FRAC	BONE SPRING, ST01	10,570.0	10,929.0	290,531.1	289,925.1	4964.30	4.00	6,540.0	2,787.0	80
7	2/15/2013 12:47	HYDRAULIC FRAC	BONE SPRING, ST01	10,035.0	10,394.0	288,746.9	289,925.1	4969.40	4.00	6,389.0	2,736.0	81
8	2/15/2013 15:44	HYDRAULIC FRAC	BONE SPRING, ST01	9,500.0	9,859.0	291,237.9	289,925.1	4940.00	4.00	6,285.0	2,960.0	81

Proppant Summary by Stage

District PERMIAN BASIN			County EDDY			Field Name HACKBERRY			Project Group DELAWARE BASIN			State/Province NM		
Surface Legal Location SEC24 T19S R31E			API/UWI 3001540626			Latitude (°) 32° 39' 5.916" N		Longitude (°) 103° 49' 49.775" W		Ground Elev MSL (ft) 3,537.00		KB - Ground Level (ft) 26.20	Orig KB Elevation (ft) 3,563.20	Tubing Head Elevation (ft)
Stage #	Date	Total Clean Volume Pumped (bbl)	Proppant Design (lb)	Proppant Frm (lb)	Proppant WB (lb)	Conc Max (lb/gal)	BH Conc Max (lb/gal)	Total Add Amount						
1	2/14/2013 08:00	4935.70	289,925.1	289,076.1		4.00		OTTAWA Bulk Sand 225633.8 LB; SUPER LC Resin Coated Sand (Santrol) 67585.5 LB						
2	2/14/2013 11:39	5114.10	289,925.1	301,785.1		4.00		OTTAWA Bulk Sand 229523.8 LB; SUPER LC Resin Coated Sand (Santrol) 77525.2 LB						
3	2/14/2013 14:56	4996.90	289,925.1	290,531.1		4.00		OTTAWA Bulk Sand 225705.1 LB; SUPER LC Resin Coated Sand (Santrol) 72468.7 LB						
4	2/14/2013 18:14	4936.50	289,925.1	290,531.1		4.00		OTTAWA Bulk Sand 219465.7 LB; SUPER LC Resin Coated Sand (Santrol) 71908.7 LB						
5	2/15/2013 06:56	4898.90	289,925.1	290,531.1		4.00		OTTAWA Bulk Sand 221226.9 LB; SUPER LC Resin Coated Sand (Santrol) 73950.6 LB						
6	2/15/2013 09:58	4964.30	289,925.1	290,531.1		4.00		OTTAWA Bulk Sand 225377.9 LB; SUPER LC Resin Coated Sand (Santrol) 72101.3 LB						
7	2/15/2013 12:47	4969.40	289,925.1	288,746.9		4.00		OTTAWA Bulk Sand 225058 LB; SUPER LC Resin Coated Sand (Santrol) 74663.5 LB						
8	2/15/2013 15:44	4940.00	289,925.1	291,237.9		4.00		OTTAWA Bulk Sand 230697.3 LB; SUPER LC Resin Coated Sand (Santrol) 69094.9 LB						