

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 25 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NM99039; NM005470C

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other ☐
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

NMOCD ARTESIA

6. If Indian, Allottee or Tribe Name

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY, LP

8. Lease Name and Well No.
Cappella 14 Fed Com 2H

3. Address
333 WEST SHERIDAN, OKLAHOMA CITY, OK 73102

3a. Phone No. (include area code)
405-235-3611

9. AFI Well No.
30-015-39413

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface
330 FNL 2490 FEL

10. Field and Pool or Exploratory
Lusk; Bone Spring West

At top prod. Interval reported below

11. Sec, T., R., M., on Block and
Survey or Area
B 14 T19S R31E

At total Depth 352 FSL & 1639 FEL PP: 330 FNL & 2490 FEL

12. County or Parish
Eddy

13. State
NM

14. Date Spudded 1/9/13

15. Date T.D. Reached 2/7/13

16. Date Completed ☒ 3/24/13
D & A Ready to Prod.

17. Elevations (DR, RKB, RT, GL)*
3560.6' GL

18. Total Depth: MD 14,232'
TVD 9150'

19. Plug Back T.D.: MD 14,183'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

CALIPER;HI/RES/LAT/LOG/ARRAY/MICRO/CFL/HNGS;THREE/DET/LITHO/DENS/COMP/NEUT/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" H40	48#	0	755'		687 sx Cl C; Circ 124 sx		Surface	
12 1/4"	9 5/8" J-55	40#	0	4540'		2035 sx; Circ 284 sx		Surface	
8 3/4"	5 1/2" P110	17#	0	14,232'	TOC 4860'	2245 sx H & 470 sx C; Circ 407 sx		CBL	
					DV @ 2633				
					DV @ 5509				

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"	8180'							

25. Producing Intervals			26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Bone Spring	9,700	14,158	9700-14,158'		288	Producing	
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9700 - 14,158	Acidize and frac perms: See attached detailed summaryw/ eight stages.

RECLAMATION
DUE 9-29-13

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
3/24/13	3/24/13	24	→	191	194	889			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	191	194	889			

ACCEPTED FOR RECORD

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	
			→						

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

*(See instructions and spaces for additional data on page 2)

QW

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
Delaware				Salt	800'
				Base Salt	2222'
				Capitan	2749'
				Delaware	5055'
				Bone Spring Fm	6893'

32. Additional remarks (include plugging procedure):

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

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

6/4/2013

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 SEC14 T19S R31E		API/UWI 3001539413		Latitude (") 32° 40' 0.621" N	Longitude (") 103° 50' 22.284" W	Ground Elev... 3,560.60	KB - GL (ft) 20.00	Orig KB Elev (ft) 3,580.60	Tubing Head Elevation (ft)	
HYDRAULIC FRAC 2/26/2013 06:31 BONE SPRING OH 13,769.0 ftkB 14,158.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 224979.9 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	5906.90	245.0	2,534.0		2,687.0	6,947.0	77	7,652.0	81	4.00
HYDRAULIC FRAC 2/26/2013 12:01 BONE SPRING OH 13,187.0 ftkB 13,577.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 225064.2 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	5185.80	2,225.0	2,731.0		2,945.0	5,406.0	80	6,327.0	81	4.00
HYDRAULIC FRAC 2/26/2013 18:05 BONE SPRING OH 12,606.0 ftkB 12,996.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 224782.3 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	5134.00	2,740.0	2,936.0		3,224.0	5,406.0	80	6,466.0	80	4.00
HYDRAULIC FRAC 2/27/2013 07:34 BONE SPRING OH 12,025.0 ftkB 12,419.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 224775 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	5086.70	1,963.0	2,936.0		2,913.0	5,250.0	80	6,466.0	80	4.00
HYDRAULIC FRAC 2/27/2013 10:52 BONE SPRING OH 11,444.0 ftkB 11,838.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 225152.2 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	4936.80	2,782.0	2,987.0		3,093.0	5,889.0	80	5,398.0	80	4.00
HYDRAULIC FRAC 2/27/2013 14:03 BONE SPRING OH 10,862.0 ftkB 11,249.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 224406.2 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	4938.80	2,570.0	2,925.0		3,205.0	5,003.0	80	5,317.0	80	4.00
HYDRAULIC FRAC 2/27/2013 17:25 BONE SPRING OH 10,281.0 ftkB 10,671.0 ftkB, Baker Hughes 0.25# 100 Mesh Prop 2.65 unknown 903										
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	4980.00		0.0		3,136.0	4,975.0		5,519.0	80	3.46
HYDRAULIC FRAC 2/28/2013 08:55 BONE SPRING OH 9,700.0 ftkB 10,089.0 ftkB, BAKER HUGHES OTTAWA Bulk Sand 210452.6 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	4704.50	2,268.0	2,837.0		2,837.0	5,296.0	80	5,920.0	81	4.00

CAPELLA 14 FED COM 2H - Permian Basin Stimulation Summary - Page No. 1 - Date: 5/30...

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	2/26/2013 06:31	HYDRAULIC FRAC	BONE SPRING, OH	13,769.0	14,158.0	302,214.1	289,925.1	5906.90	4.00	7,652.0	2,687.0	81
2	2/26/2013 12:01	HYDRAULIC FRAC	BONE SPRING, OH	13,187.0	13,577.0	302,214.1	289,925.1	5185.80	4.00	6,327.0	2,945.0	81
3	2/26/2013 18:05	HYDRAULIC FRAC	BONE SPRING, OH	12,606.0	12,996.0	302,214.1	289,925.1	5134.00	4.00	6,466.0	3,224.0	80
4	2/27/2013 07:34	HYDRAULIC FRAC	BONE SPRING, OH	12,025.0	12,419.0	302,214.1	289,925.1	5086.70	4.00	6,466.0	2,913.0	80
5	2/27/2013 10:52	HYDRAULIC FRAC	BONE SPRING, OH	11,444.0	11,838.0	302,214.1	289,925.1	4936.80	4.00	5,398.0	3,093.0	80
6	2/27/2013 14:03	HYDRAULIC FRAC	BONE SPRING, OH	10,862.0	11,249.0	302,214.1	289,925.1	4938.80	4.00	5,317.0	3,205.0	80
7	2/27/2013 17:25	HYDRAULIC FRAC	BONE SPRING, OH	10,281.0	10,671.0	287,398.8	289,925.1	4980.00	3.46	5,519.0	3,136.0	81
8	2/28/2013 08:55	HYDRAULIC FRAC	BONE SPRING, OH	9,700.0	10,089.0	257,103.1	289,925.1	4704.50	4.00	5,920.0	2,837.0	81



CAPELLA 14 FED COM 2H

WEST UNRESTRICTED

Proppant Summary by Stage

District PERMIAN BASIN			County EDDY		Field Name HACKBERRY			Project Group DELAWARE BASIN			State/Province NM	
Surface Legal Location SEC14 T19S R31E			API/UWI 3001539413		Latitude (°) 32° 40' 0.621" N		Longitude (°) 103° 50' 22.284" W		Ground Elev MSL (ft) 3,560.60	KB - Ground Level (ft) 20.00	Orig KB Elevation (ft) 3,580.60	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	2/26/2013 06:31	5906.90	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 224979.9 LB; SUPER LC Resin Coated Sand (Santrol) 83466.2 LB				
2	2/26/2013 12:01	5185.80	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 225064.2 LB; SUPER LC Resin Coated Sand (Santrol) 73450.9 LB				
3	2/26/2013 18:05	5134.00	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 224782.3 LB; SUPER LC Resin Coated Sand (Santrol) 73156.8 LB				
4	2/27/2013 07:34	5086.70	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 224775.1 LB; SUPER LC Resin Coated Sand (Santrol) 83493.4 LB				
5	2/27/2013 10:52	4936.80	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 225152.2 LB; SUPER LC Resin Coated Sand (Santrol) 65729.7 LB				
6	2/27/2013 14:03	4938.80	289,925.1	302,214.1		4.00		OTTAWA Bulk Sand 224406.2 LB; SUPER LC Resin Coated Sand (Santrol) 69723.8 LB				
7	2/27/2013 17:25	4980.00	289,925.1	287,398.8		3.46		0.25# 100 Mesh, Prop 2.65 unknown 903.226 lbm; 0.25# 20/40 White, Prop 2.65 unknown 1359.638 lbm; 0.				
8	2/28/2013 08:55	4704.50	289,925.1	257,103.1		4.00		OTTAWA Bulk Sand 210452.6 LB; SUPER LC Resin Coated Sand (Santrol) 58604.7 LB				