

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No NMNM-LC 069464-A
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> 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 Co., LP		8 Lease Name and Well No Arcturus 18 Federal 2H
3 Address 20 North Broadway OKC, OK 73102		9 AFI Well No. 30-015-38390
3a Phone No (include area code) (405)-552-7802		10 Field and Pool or Exploratory Hackberry; Bone Spring, North
4 Location of Well (Report location clearly and in accordance with Federal requirements)* 1650' FNL & 340' FEL At surface 1665' FNL & 621' FEL At top prod. interval reported below 1822' FNL & 330' FWL At total depth		11 Sec, T, R, M, on Block and Survey or Area Sec 18-T19S-R31E
14 Date Spudded 03/29/2011		12 County or Parish Eddy
15 Date T.D Reached 07/28/2011		13 State NM
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* 3248' GL
18 Total Depth MD 12,768' TVD 8,751'		20 Depth Bridge Plug Set MD TVD n/a
19 Plug Back T D MD 12,720' TVD		22 Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, Laterol Array Gamma Ray, CNL		

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20" H-40	94#	0'	70'				Surface	
17 1/2"	13 3/8" H-40	48#	0'	475'		550 sx CI H		Surface	DV Tool @ 4501 - 03'
12 1/4"	9 5/8" J-55	36#	0'	3145'		1400 sx CI C		Surface	
8 3/4"	Pilot Hole		Cmt Plug	8100-9196'		460 sx CI H	Whipstock @	8187' - 8200'	
8 3/4"	5 1/2" P-110	17#		12768'		2660 sx CI CH			TOC @ 1160' per CBL

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"	8,191'								

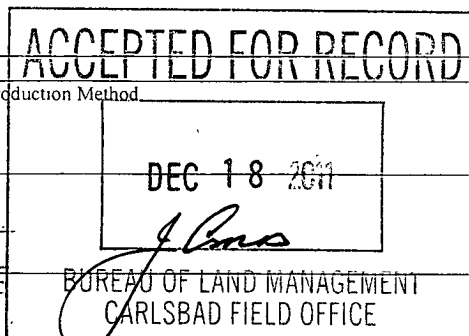
25 Producing Intervals				26 Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No Holes	Perf Status
A) Bone Spring	9050'	12695'		9050 - 12695'	4/5 SPF	180	Producing
B)							
C)							
D)							

27 Acid, Fracture, Treatment, Cement Squeeze, etc		Amount and Type of Material
Depth Interval		
9050' - 12695'	Acidize w/7,552 gals 7.5% HCL acid. Frac w/56,991# 100 mesh white sd & 1,424,365 lbs 20/40 white sand & 432,673 20/40 SLC.	

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
09/22/11	10/25/11	24	→	300	423	212			Pumping
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	400#	300#	→	300	423	212	1410.000	Producing	

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	
			→						

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



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)
Sold

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 Bone Spring	4806' 6469'
				1st Bone Spring 2nd Bone Spring	7829' 8132'
				2nd Bone Spring Sand	8471'

32 Additional remarks (include plugging procedure)

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

- ☐ 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 instructions)*

Name (please print) Stephanie A. Ysasaga

Title Sr. Staff Engineering Technician

Signature [Signature]

Date 10/24/2011

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 as to any matter within its jurisdiction

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