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OCD-HOBBS

Form 3160-4
(August 1999) JUL 24 2008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: NOVEMBER 30, 2000

HOBBS

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM-97910	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., <input checked="" type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		7. Unit or CA Agreement Name and No.	
3. Address 20 North Broadway, Ste 1500 Oklahoma City, OK 73102-8260		8. Lease Name and Well No. Arena Roja Federal Unit 6	
3a. Phone No. (include area code) 405-552-8198		9. API Well No. 30-025-27752	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface G 28 26S 35E At top prod. Interval reported below At total Depth		10. Field and Pool, or Exploratory Arena Roja Strawn South (Gas)	
14. Date Spudded 9/26/2007		11. Sec, T., R, M, on Block and Survey or Area 28 26S 35E	
15. Date T.D Reached 2/6/2008		12. County or Parish 13. State Lea NM	
16. Date Completed 5/5/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DR, RKB, RT, GL)* 3140' GL	
18. Total Depth: MD 16,460' TVD		20. Depth Bridge Plug Set: MD TVD	
19. Plug Back T.D.: MD 15,388' 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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) PEX-HRLA-HNGS; CNSG; DS			

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"	94 & 133#	0	1505		Cmt with 2500 sx		0	
17 1/2"	13 3/8"	61 & 68#	0	5200'		Cmt with 4500 sx		0	
12 1/4"	9 5/8"	47 & 53.5#	0	13,500		Cmt with 2850 sx		7080'	
8.535"	7 5/8"/P110	39#	0	16,460'		Cmt with 450 sx		13100'	
6 1/2"	5"/P110HC	23.2#	12,751'	15,460'		Cmt with 345 sx		12,751'	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8	14,140'	14,131'						

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Strawn	14,181'	15,264'	14,181-15,264'	0.36-0.39	121	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
15,252'-15,264'	Frac with 2500 gallons 7.5% HCl and flushed with 7500 gallons 10# linear gel, 89,000 gallons Lightning 3500 with 94,000# 20/40 Sintered Bauxite and flushed with 580 bbls 10# linear gel.
14,181'-15,174'	Frac with 4500 gallons 15% HCl and flushed with 24,500 gallons treated water. Frac with 218,000 gallons Lightning 3500 with 240,000# 20/40 Sinterball and flushed with 23,660 gallons 10# linear gel.

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
5/3/2008	5/5/2008	24	→	16.88	903.78	240			Flowing
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	16.88	903.78	240	53,541	Producing Gas Well	

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 reverse side)

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

JUL 22 2008

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
				Rustler	946'
				T/Salt	1100'
				B/Salt	4786'
				Delaware	5156'
				Bone Spring	9284'
				1st Bone Spring sd	10168'
				2nd Bone Spring sd	11080'
				3rd Bone Spring sd	12021'
				Wolfcamp	12120'
				Strawn	14297'
				Atoka Clastics	15181'
				M Morrow Clastics	16222'

Additional remarks (include plugging procedure):

Circle enclosed attachments:

- 1 Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

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)

Norvella Adams

Title

Sr Staff Engineering Technician

Signature

Date

6/30/2008

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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

FORM APPROVED
OMB NO. 1004-0135
EXPIRES: NOVEMBER 30, 2000

SUBMIT IN TRIPLICATE

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

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY, LP

3. Address and Telephone No
20 North Broadway, Oklahoma City, OK 73102 405-552-8198

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Surface: 1980 FNL & 1980 FEL, Unit G Bottom Hole: 1880 FNL & 1980 FEL, Unit G
SEC 28 T26S R35E

5. Lease Serial No.

NMNM-97910

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Well Name and No.

Arena Roja Federal Unit 6

9. API Well No.

30-025-27752

10. Field and Pool, or Exploratory

Strawn

12. County or Parish 13. State

Lea

NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Re-entry Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

9/26/07-5/05/08

See attached summary for details.

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

Signed  Name **Norvella Adams**
Title **Sr. Staff Engineering Technician** Date **6/30/2008**

(This space for Federal or State Office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

***See Instruction on Reverse Side**

Arena Roja Federal Unit 6
SL: 1980' FNL & 1980' FEL
BHL: 1880' FNL & 1980' FEL
Lea County, NM
API # 30-02527752

RE-ENTRY SUMMATION:

9/26/07 – 5/05/08

MIRU PU. Tested BOP to 5000 psi - held good. RIH with bit and collar-tagged plug at 15'. Drilled to 95' and fell out. Notified Debbie Parker with BLM about starting in on re-entry. RIH with tubing - tagged 2nd plug at 1413'. Tested casing to 1000 psi - held good. Drilled cement. Fell out of cement at 1580'. Tested casing to 1000 psi - held good. drilled cement. Drilled on cement and fell out at 5260'. Got to 11,798' and circulated hole clean. RIH with tubing and tagged liner top at 13,071'. POOH with tubing and bit. Set CIBP for sidetrack at 13,540' and POOH. Lay down tubing. Filled hole with 10# Brine. Rig down PU and reverse unit. Move out PU. MIRU drilling rig. Test BOP to 250 psi low and 5000 psi high - held good. BLM (Pat) notified of BOP test. Change 7 5/8" casing rams. RU BOP tester and test ram doors to 250 psi low and 3500 psi high. BLM (Cathy) notified of casing job. Ran in with 314 joints of 7 5/8", 39#, P110 HC, Vam-FJL casing. Pump 10 bbls fresh water spacer then 450 sacks 35:65 Poz Class H + 0.3% F-52A + 0.1% R-3 + 6% Bentonite; tail with 150 sacks Class H + 2% CaCl₂ + 0.1% R-3 + 0.3% CD-32 + 1% FI-62 + 0.2% Sodium Metasilicate. Drop plug and displace with 556 bbls of 10# Brine. Ran temperature survey - top of cement at 4,800'. Make final cut to 7 5/8" casing and install 11" 10M X 7 1/6 15M spool test to 80% collapse to 8,800 psi tested 15 minutes - ok. Trip in hole to 12,141" with mill tooth bit. Drill on cement. Tagged CIBP @ 13,544". RU wireline truck and set Whipstock @ 13,531' - top; Bottom @ 13,544'. RD Mill window. Drill to 13,546'. Circulate hole clean. TOH with bit & mill. TIH with bit and rotating head. Rotate drill. TD @ 15,460'. Circulate and condition mud. Ran in with 58 joints of 5", 23.2# P110HC, HDL casing. TOO H. Cement with 345 sacks Class H with 0.75% EC-1 + -.7% CD-32 + 1.2% FL62 + 1% SMS + 0.25% R21. 16.5 ppg, 1.06 ft³/sx; displaced 137 bbls of 15.3 ppg mud. Bump plugs - float held. Set down with 50K and Energize ZXP packer. Approximate temperature of formation = 160 degrees, approximate temperature of slurry = 110 degrees, 24 hour compressive strength = 500 psi, top of liner at 12,751'. Drill cement from 12,024' to 12,751'. Tag liner top at 12,751'. Circulate hole clean. TIH with packer. Test liner. Unset packer. TOO H with packer. Drill cement from 12,750'-12,775'. Circulate cement out. Drill cement from 15,216' to 15,340'. Circulate casing clean at 15,340'. Release rig. RIH with guns and perforate 15,226' - 15,236' and 15,252'-15,264' with 2 spf 120 degree phased. RD wireline. MIRU. Frac stage 1 with 2500 gallons 7.5% HCl and flushed with 7500 gallons 10# linear gel, 89,000 gallons Lightning 3500 with 94,000# 20/40 Sintered Bauxite sand and flushed with 580 bbls 10# linear gel. RIH and set composite plug at 15,200'. Pull up hole with guns and shoot 15,174', 15,167', 15,162', 15,158', 15,151', 15,131', 15,121', 15,105', and 15,101'. Came up hole and shot 15,099', 15,097', 15,096', 15,091', 15,088', 15,080', 15,051', 15,049', 15,045', and 15,014'. Came up hole and shot 15,006', 15,001', 14,993', 14,968', 14,903', 14,900', 14,880', 14,878', 14,872', and 14,868'. RD. RIH with guns and perforate 14,846', 14,813', 14,802', 14,789', 14,776', 14,716', 14,712', 14,697', 14,690', and 14,680'. POOH with wireline. RIH with guns and perforate 14,396', 14,383', 14,280', 14,278', 14,205' and 14,181'. RD wireline. MIRU. Acidize with 4500 gallons 15% HCl + flushed with 24,500 gallons treated water. Frac with 218,000 gallons Lightning 3500 with 240,000# 20/40 Sinterball and flushed with 23,660 gallons 10# linear gel. RD. Went in with coil tubing and cleaned well. Washed down to plug at 15,201'. Drilled out plug. Cleaned out plug. PBTD is at 15,388'. POOH with coil. RIH with packer and set at 14,131'. RD wireline. MIRU Swab unit. Swab well. Clean out well. Washed down to 15,150'. Acidize well (14,181'-15,264') with 214.8 bbls 17% acid. Turn well over to production.