

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.

N.M. C - Dist. 2

CONFIDENTIAL
FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT

1301 W. Grand Avenue
Artesia, NM 88210

Serial No.
NM101094

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name N/A		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other			7. Unit or CA Agreement Name and no.		
2. Name of Operator Devon Energy Production Company, L.P.			8. Lease Name and Well No. Western Reserves Federal 3		
3. Address 20 N. Broadway, Suite 1500, OKC, OK 73102			9. API Well No. 30-015-30700		
3.a Phone No. (Include area code) (405)235-3611			10. Field and Pool, or Exploratory Avalon (Morrow)		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 1970' FSL & 660' FWL, Lot 32, Section 4-T21S-R26E, Eddy Cnty, NM At top prod. interval reported below (same) At total depth (same)			11. Sec., T., R., M. on Block and Survey or Area Sec. 4-21S-26E		
14. Date Spudded 07/03/2001			15. Date T.D. Reached 07/30/2001		
16. Date Completed ☐ D & A ☒ Ready to Prod. 9-9-01			17. Elevations (DF, RKB, RT, GL)* GL 3207', DF 3232', KB 3223'		
18. Total Depth: MD 11,040' TVD		19. Plug Back T.D.: MD 10,855' TVD		20. Depth Bridge Plug Set: MD 10,855' CIBP TVD	
21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) Platform Express Azimuthal Laterlog/Micro-CFL/NGT, Three Detector Litho-Density/Micro-CFL/NGT, and Cement Bond logs			22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit copy)		

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 of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H40	48#	surf	605'		685sx ThixH/ PozC/NeatC		surf, calc	
12 1/4"	8 5/8" J55 & HCK-55	32# 32#	surf	1976'		1080sx PozC/ NeatH/BentoniteH		surf, calc	
7 7/8"	5 1/2" J-55 & L-80	15.5# 17#	surf	11,040'	8991'	1080sx Poz/ ClassH		7742', 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 3/8" 4.7#L-80 @ 10740'		10740'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	10,814'	10,828'	10,814-10,828'	0.3" EHD	60	open
B) Morrow	10,874'	10,891'	10,874-10,891'	0.3" EHD	72	CIBP at 10,855'
C)						
D)						

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

Depth Interval	Amount and Type of Material
10,874-10,891'	1500 gals 7 1/2% HCl -30% methanol + 100 BS
10,814-10,828'	56 bbls KCl water

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
10-20-01	9-8-01		→					50.3	flowing (test witnessed by BJ Cathey)
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
6/64"	3200		→	0	2635	0	N/A	producing	

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)

RECEIVED FOR RECORD
NOV - 7 2001

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OCC - ARTESIA

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI Flwg.			←						
28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI Flwg.			←						
29. Disposition of Gas (Sold, used for fuel, vented, etc.)									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
SI Flwg.			←						

30. Summary of Porous Zones (Include Aquifers):									
Show all important zones or 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	2409'	
							Bone Spring Lime	4044'	
							3rd Bone Spring Sand	7755'	
							Wolfcamp	8118'	
							Cisco	9101'	
							Canyon	9447'	
							Strawn	9562'	
							Atoka	9931'	
							Lower Morrow	10750'	
							Barnett	10912'	
							TD	11040'	

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:
- ① Electrical/Mechanical Logs (1 full set req'd.)
 - 2. Geological Report
 - 3. DST Report
 - ⑦ Other - deviations survey report
 - 4. Directional Survey
 - 5. Sundry Notice for plugging and cement verification
 - 6. Core Analysis
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) Candace R. Graham Title Engineering Tech Date 10/26/2001 Signature Candace R. Graham

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OPERATOR: ~~DEVON SERVICES OPERATING INC.~~
WELL/LEASE: WESTERN RESERVES FED. #3
COUNTY: EDDY
API: 30-015-30700

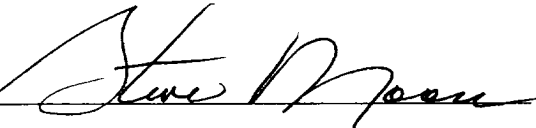
DEVON ENERGY
PRODUCTION COMPANY, L.P.

RIG 60

STATE OF NEW MEXICO
DEVIATION REPORT

294	1/2
572	1
877	1
1,993	1
2,278	3/4
2,778	3/4
3,278	3/4
3,763	1
4,238	1 3/4
4,429	2 1/4
4,619	2
4,840	1 3/4
5,030	1 1/2
5,225	1 1/4
5,501	1 1/4
6,005	1 1/2
6,509	2
6,698	2 1/4
6,886	2 3/4
7,104	3
7,264	1 1/4
7,452	1
7,737	1 1/2
7,987	1 1/4
8,302	1 3/4
8,618	2 1/4
8,809	2 1/4
8,998	1 1/2
9,123	1
9,437	3/4
9,514	1
9,821	3/4
10,291	1
10,756	1
10,999	1

By:



STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 6th day of August, 2001, by
Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003

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Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

Form C-122
Revised October, 1999

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPLE POINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DEVON ENERGY		Lease or Unit Name WESTERN RESERVES FEDERAL	
Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9/10/01	Well No. 3
Completion Date	Total Depth 11004	Plug Back TD 10855 CTBP	Elevation 3233 KB
Csg. Size 5 1/2	Wt. 17.8	d 4.892	Set At 11004
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10747
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE		Packer Set At 10747	Formation MORROW
Producing Thru TUBING	Reservoir Temp. °F 181.5	Mean Annual Temp. °F 60	Baro. Press.-P _a 13.2
L 10747	H 10747	Gg 0.597	%CO ₂ 0.833
		%N ₂ 0.255	%H ₂ S N/A
		Prover N/A	Meter Run 4.026
			Taps FLG
FLOW DATA			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.
SI			
1	4.026 X 2.250	520	5
2	4.026 X 2.250	520	11
3	4.026 X 2.250	520	22
4	4.026 X 2.250	520	36
5			
RATE OF FLOW CALCULATIONS			
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	25.64	51.6	533.2
2	25.64	76.6	533.2
3	25.64	108.3	533.2
4	25.64	138.5	533.2
5			
No.	P _r	Temp. °R	T _r
1	0.8	545	1.55
2	0.81	547	1.56
3	0.81	551	1.57
4	0.82	554	1.58
5			
P _c 3518.2		P _{c2} 12377.7	
No.	P _t ²	P _w	P _w ²
1		3308.2	10944.3
2		3240	10497.7
3		3051.7	9312.8
4		2765.5	7647.8
5			
Absolute Open Flow 9871		Mcf/d @ 15.025	Angle of Slope (°) 51.64
Slope n: 0.791			
Remarks: *WELL MADE 5 BBLS OF 50.3 AOI GRAVITY CONDENSATE DURING TEST.			
Approved By Division:		Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER
		Checked By: BM	

DEVON ENERGY
WESTERN RESERVE #3

