

U.S. M. Oil Cons. Division
UNITED STATES 1625 N. Frontier Dr.
DEPARTMENT OF THE INTERIOR Hobbs, NM 86240
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FSL & 660' FEL, Unit P, Section 26-T19S-R34E, Lea Cnty, NM

5. Lease Designation and Serial No. NM-NM05519
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA, Agreement Designation Mescalero Ridge Ut 891007465B
8. Well Name and No. MESCALERO RIDGE 26 UNIT #2
9. API Well No. 30-025-21798
10. Field and Pool, or Exploratory Area South Pearl (Queen) Seven River
11. County or Parish, State Lea County, New Mexico

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | |
|--|---|
| <input type="checkbox"/> Abandonment
<input type="checkbox"/> Recompletion
<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Altering Casing
<input checked="" type="checkbox"/> Other <u>add Seven Rivers perfs</u> | <input type="checkbox"/> Change of Plans
<input type="checkbox"/> New Construction
<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Dispose Water |
|--|---|

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Previously produced from perfs 4623-4972' which were TA'd in 1989.

11-16-1999 thru 11-24-1999 RU pulling unit. NU BOP. TOH with 2 7/8" tubing. Ran bit and scraper to 4573'. RU BJ Srvs. Circ'd hole with fresh water/2% KCl + clay-stay + surfactant. RU Baker/Wedge.

Perf'd Seven Rivers "B" (5 1/2" csg with 2 JSPF) at 3934-3964' with 60 holes (0.4" EHD). RU bailer and dumped 35' of cement on top of CIBP at 4573'. PBTB 4538'. TOH with work string. TIH with treating packer. Pickled tubing with 250 gals 7 1/2% HCl. Set packer at 3845'. Press'd up and broke down perfs at 1646 psi. Swabbed tubing dry.

Acidized perfs 3934-3964' down tubing with 1000 gals 15% HCl + 120 BS at AIR 4.5 BPM with 1600 psi. ISIP 1590 psi. Swabbed tested. TOH with treating packer. Ran Arrow packer, set at 3846'.

Pumped in 250 gals NeFe + Baker inhibitor. Frac'd down tubing with 27,650 gals Aqua-Frac-2500 + 2,000# 100 mesh white sand + 30,120# 16/30 CR4000 sand at AIR 25 BPM with 4200 psi. ISIP 2050 psi. Flow and swab tested. TOH with packer and work string.

Ran 5 1/2" AD-1 packer, SN 2 7/8" tubing. Set packer at 3850', SN at 3846'. Swab tested. SI several days. RU and ran 1 point test (see attached copy). SI, WOPL.

02-11-2000 Prep to commence pipeline construction.

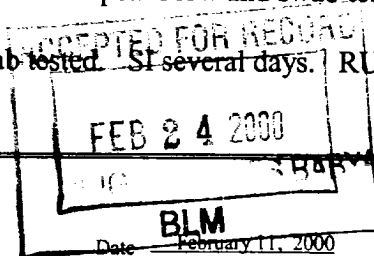
14. I hereby certify that the foregoing is true and correct

Signed Candace R. Graham

Candace R. Graham

Title Engineering Technician

(This space for Federal or State office use)



Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

State of New Mexico
Energy, Minerals and Natural Resources Department



Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Devon				Lease or Unit Name Mescalera Ridge Unit '26'			
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 11-29-99		Well No. 2	
Completion Date 11-23-99		Total Depth 5150		Plug Back TD 4538		Elevation 3730 GL	
Casing Size 5 1/2		WC 15.5	d 4.950	Set At 5150	Perforations: From: 3934 To: 3964		Unit Loc. - Sec. - TWP - Rge. P 26 19-S 34-E
Log. Size 2 7/8		WC 6.5	d 2.441	Set At 3350	Perforations: From: To:		County Lea
Type Well - Single - Braidedhead - G.C. - G.C. Multiple Single				Packer Set At 3350		Formation Vates 7 Rivers	
Producing Thru TBG		Reservoir Temp. °F 107.5		Mean Annual Temp. °F 60°		Baro. Press. - "H ₂ O 13.2	
L 3350		H 3350		G _g .721		% CO ₂ .075	
				% N ₂ 19.91		% H ₂ S Prover	
						Meter Run 3.068	
						Taps F/G	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. psig.	Diff. h _w	Temp. °F	Press. psig.	Temp. °F	
1.	13.068	X	1.375	45	32"	74°	1240		
2.							100	PKR	24 Hrs
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (211 HOUR)	$h_w \cdot P_m$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mscf
1.	9.249	43.15	58.2	.9868	1.178	1.038	481
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	N/A	Model
1.	.83	534	1.56	.928	A.P. L Gravity of Liquid Hydrocarbons	N/A	Dep
2.					Specific Gravity Separator Gas	.721	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	N/A	XXXXXX
4.					Critical Pressure	638	PSIA
5.					Critical Temperature	342	R

P_c 1253.2 P_c 1570.5

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.009$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = 1.009$
1.	112.8	118.3	14.0	1556.5		
2.						
3.						
4.						
5.						

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^2 = .485$$

Absolute Open Flow **485** Mscf @ 15.025 Angle of Slope **9 45°** Slope, n **1.000**

Remarks: ***No liquid made during test**

Approved By Division	Conducted By: Pro Well Testing	Calculated By: M.B.	Checked By: B.M.
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DEVON ENERGY CORP (NEVADA)
MESCALERO RIDGE "26" UNIT #2
API 30-025-21798
330' FSL & 660' FEL, SEC. 26-19S-34E,
LEA CNTY, NM

