

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil &amp; Gas Division

811 S. 1st Street

Artesia, NM 88210-2834

FORM APPROVED

OIA NO. 1004-0137

Expires November 30, 2000

cls F

## 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. NM 022535							
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. Resvt.		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Kerr-McGee Oil & Gas Onshore LLC		7. Unit or CA Agreement Name and No.							
3. Address P.O. Box 809004 Dallas TX 75380-9004		8. Lease Name and Well No. Federal 28-2							
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface 1900 FWL & 1750 FSL Sec. 28-21S-23E		9. API Well No. 30-015-31180 S1							
At top prod. interval reported below Same		10. Field and Pool, or Exploratory Indian Basin Upper Penn							
At total depth Same		11. Sec., T., R., M., or Block and Survey or Area Sec. 28-21S-23E							
14. Date Spudded 7-3-2000		12. County or Parish Eddy							
15. Date T.D. Reached 8-3-2000		13. State NM							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 2-27-2001		17. Elevations (DF, RKB, RT, GL)* 3985' GR							
18. Total Depth: MD TVD 7650'		19. Plug Back T.D.: MD TVD 7622'							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Schlumberger Comp Neutron, Form Density Log, Dual Lateral Log							
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)		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
18.5	16"		Surface	40'					
14.75	9-5/8	36#	Surface	1320'	None	850 SX *		Surface	None
8-3/4	7"	23 & 26#	Surface	7642'	6927'	720 sx		5740' TS	None
* Circ	600 SX	to pits							
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"	7336'								
25. Producing Intervals									
26. Perforation Record									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Upper Penn	7026'	7382'	7026' - 7096'	4"	4 JSPF	Open			
B) Upper Penn	7026'	7382'	7161' - 7382'	4"	4 JSPF	Open			
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
7026' - 7096'	1350 Gal 15% HCL								
7161' - 7382'	80,000 Gal foamed gel 20% HCL Acid & 2,500,672 SCF N2								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
2-27-01	3-6-01	24	→	0	2483	1015			Submersible Lift
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
28a. Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

ACCEPTED FOR RECORD

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## 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. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 23c. 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. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, 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
Upper Penn	7011	7401			

## 32. Additional remarks (include plugging procedure):

## 33. 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

## 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) Beverly LakinTitle Sr. Proration AnalystSignature Beverly LakinDate 03-19-2001

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.



# PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

August 21, 2000

Kerr-McGee Oil & Gas Onshore LLC  
P. O. Box 809004  
Dallas, Texas 75380-9004

Re: Deviation Report  
Federal 28 #2

Gentlemen:

The following is a deviation survey on the above-referenced well located in Eddy County, New Mexico.

253' - 1.00	3591' - 1.75	5979' - 2.50
502' - 1.50	4090' - 1.50	6166' - 2.75
746' - 2.25	4583' - 2.00	6383' - 2.25
992' - 1.50	5083' - 2.75	6600' - 2.25
1210' - 1.75	5268' - 3.25	6786' - 2.25
1346' - 2.00	5362' - 3.25	7003' - 2.25
1594' - 1.75	5454' - 2.75	7503' - 1.25
2090' - 1.75	5545' - 2.25	7650' - 1.75
2592' - 2.00	5731' - 3.25	
3091' - 2.00	5854' - 3.00	

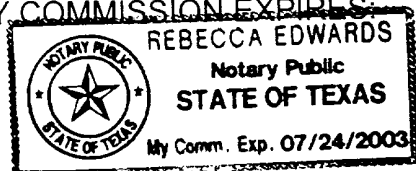
Sincerely,

Treva Forrester

STATE OF TEXAS       )  
                                  )  
COUNTY OF MIDLAND   )

The foregoing was acknowledged before me this 21st day of August, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:



NOTARY PUBLIC