

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
811 S 1st Street  
Artesia, NM 88210-2834  
OMB NO. 1004-0137  
Expires: February 28, 1995  
N.M.-0467934

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION  
NEW ☐ WORK ☐ DEEP- ☐ PLUG ☐ DIFF ☐ OTHER ☐  
2. NAME OF OPERATOR  
AROC (Texas) Inc.  
4200 E Skelly Drive, Suite 1000  
Tulsa, OK 74135 918-491-1100  
3. ADDRESS ABOVE  
4. LOCATION OF WELL  
At surface  
330' FNL & 330' FWL, Unit D  
At top prod. interval reported below  
At total depth

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
Grayburg Jackson PSU  
8. FARM OR LEASE NAME, WELL NO.  
AD No. 12  
9. API WELL NO.  
30-015-30342  
10. FIELD AND POOL, OR WILDCAT  
Grayburg Jackson, 7R-QN-GB-SA  
11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA  
Section 27-T17S-R30E  
12. COUNTY OR PARISH  
Eddy  
13. STATE  
NM  
19. ELEV. CASINGHEAD

14. PERMIT NO.  
DATE ISSUED  
15. DATE SPUNDED  
07/21/00  
16. DATE TD REACHED  
07/26/00  
17. DATE COMP (Ready to Prod.)  
08/16/00  
18. ELEVATION (OF, RKB, RT, GR, ETC.)  
3622'  
23. INTERVALS DRILLED BY  
ROTARY TOOLS  
CABLE TOOLS  
all  
25. WAS DIRECTIONAL SURVEY MADE  
Yes  
27. WAS WELL CORED  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
GR-DLL-MLL, GR-CDL-CNL-CAL, GR-CBL-CCL  
28. CASING RECORD (Report all strings set in well)  
CASING SIZE/GRADE  
WEIGHT LB/FT  
DEPTH SET (MD)  
HOLE SIZE  
TOP OF CEMENT, CEMENTING RECORD  
AMOUNT PULLED  
8 5/8"  
5 1/2"  
24#  
15.5 #  
508'  
3500'  
12 1/4"  
7 7/8"  
400 sx - circulated  
1075 sx - circulated  
none  
none

29. LINER RECORD  
SIZE  
TOP (MD)  
BOTTOM (MD)  
SACKS CEMENT \*  
SCREEN (MD)  
30. TUBING RECORD  
SIZE  
DEPTH SET (MD)  
PACKER SET (MD)  
2 7/8"  
3200'  
31. PERFORATION RECORD  
(Interval, size, and number)  
2990' - 3197' (Premier Sand)  
2990', 91', 3000', 01', 24', 29', 30', 31', 35', 45', 57', 69', 86', 87', 88',  
88', 89', 3107', 12', 20', 29', 47', 71', 96', 97', 3275', 76', 89', 3303',  
14', 15', 16', 33', 50' (33 holes)

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL (MD)  
AMOUNT AND KIND OF MATERIAL USED  
2990' - 3350'  
Acid w/4000 gals 15% NEFE  
Frac w/800sx 16/30 sand & 200  
12/20 w/43,900gal (20# Delta 1)  
33. PRODUCTION  
(Flowing, gas lift, pumping - size and type of pump)  
WELL STATUS (Producing or Shut In)  
Producing  
DATE FIRST PRODUCTION  
09/01/00  
PRODUCTION METHOD  
Pumping  
DATE OF TEST  
09/06/00  
HOURS TESTED  
24  
CHOKE SIZE  
PROD'N FOR TEST PERIOD  
OIL - BBL  
35  
GAS - MCF  
20  
WATER - BBL  
108  
GAS-OIL RATIO  
571  
FLOW TBG PRESS  
CASING PRESSURE  
CALCULATED 24-HOUR RATE  
OIL - BBL  
ACCEPTED FOR RECORD  
PETER W. CHESTER  
WATER - BBL  
OIL GRAVITY - API (CORR.)  
36.5 °

34. DISPOSITION OF GAS  
(Sold, used for fuel, vented, etc.)  
Sold to GPM (Duke Energy)  
35. LIST OF ATTACHMENTS  
Logs & Directional Survey  
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED  
DATE  
10/11/00  
Executive Officer

\*(See Instructions and Spaces for Additional Data on Reverse Side)  
Title 18 U.S.C. 1001, makes 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

37. SUMMARY OF DATA

well-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and all recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	TOP	TRUE MEAS. DEPTH VERT DEPTH
7-Rivers	1890'	2348'		7-Rivers	1890'	
Queen	2348'	2774'		Queen	2348'	
Grayburg	2774'	3202'		Grayburg	2774'	
San Andres	3202'	3500'		San Andres	3202'	

H8/9



# PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

August 8, 2000

AROC (Texas), Inc.  
c/o Shahara Oil, LLC  
Attn: Perry Hughes  
207 W. McKay  
Carlsbad, New Mexico 88220

Re: Deviation Report  
Grayburg Jackson PSU AD #12

Gentlemen:

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

496' – 1.00	2635' – 0.75
786' – 1.00	3122' – 1.00
1096' – 1.50	3500' – 1.00
1339' – 1.75	
1649' – 1.50	
2142' – 0.50	

Sincerely,

Treva Forrester

STATE OF TEXAS           )  
  )  
COUNTY OF MIDLAND    )

The foregoing was acknowledged before me this 8<sup>th</sup> day of August, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:

\_\_\_\_\_  
NOTARY PUBLIC

