

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

CIS F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-053259A	
b. TYPE OF COMPLETION NEW WORK DEEP- PLUG DIFF WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR AROC (Texas) Inc.		7. UNIT AGREEMENT NAME Grayburg Jackson PSU	
3. ADDRESS AND TELEPHONE NO. 207 West McKay, Carlsbad, NM 88220 505-885-5433		8. FARM OR LEASE NAME, WELL NO. MA No. 9	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1840' FSL & 1680' FEL, Unit J At top prod. interval reported below At total depth		9. API WELL NO. 30-015-31272	
10. FIELD AND POOL, OR WILDCAT Grayburg Jackson. 7R-QN-GB-SA		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 28-T17S-R30E	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 08/01/00		16. DATE TD REACHED 08/07/00	
17. DATE COMP (Ready to Prod.) 08/24/00		18. ELEVATION (DF, RKB, RT, GR, ETC*) 3631'	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3650'	
21. PLUGBACK TD, MD & TVD 3570'		22. IF MULTIPLE COMP., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS all	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 3027' - 3227' (Grayburg Premier)		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-DLL-MLL, GR-CDL-CNL-CAL, GR-CBL-CCL		27. WAS WELL CORED No	

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"	24#	511'	12 1/4"	400 sx - circulated	none
5 1/2"	15.5 #	3650'	7 7/8"	1075 sx - circulated	none
29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE
					2 7/8"
					3316'
31. PERFORATION RECORD (Interval, size, and number)				32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
3027' 28', 56', 57', 59', 98', 99', 3129', 30', 37', 38', 45', 46', 47', 50', 51', 65', 66', 70', 85', 87', 89', 3204', 27' (Grayburg Premier)				DEPTH INTERVAL (MD)	
3601', 09', 10', 12', 14' (San Andres) 29 total holes				3601'- 3614'	
				3027'- 3227'	
				AMOUNT AND KIND OF MATERIAL USED	
				Acid w/2500 gals 15% NEFE	
				Acid w/2500 gals 15% NEFE	
				Frac w/44,940 gals 20# 140 Delta	
				w/70,000# 16/30 & 30,000# 12/20	

33. PRODUCTION							
DATE FIRST PRODUCTION 08/25/00		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pumping				WELL STATUS (Producing or Shut In) Producing	
DATE OF TEST 08/29/00	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL 51	GAS - MCF 25	WATER - BBL 240	GAS-OIL RATIO 490
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (60RR.) 37.0 °	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Duke Energy (GPM)		TEST WITNESSED BY Mr. Wade White	
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35. LIST OF ATTACHMENTS Logs & Directional Survey	
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Perry E. Hughes	TITLE Project Manager
DATE 09/08/00	

*See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	<div> <div>TOP</div> <div>TRUE</div> </div>
7-Rivers	1934'	2390'		7-Rivers	1934'
Queen	2390'	2814'		Queen	2390'
Grayburg	2814'	3230'		Grayburg	2814'
San Andres	3230'	3650'		San Andres	3230'

12 A.M. 03
 12 A.M. 03

8/17/00



PATTERSON DRILLING COMPANY LP

A LIMITED PARTNERSHIP

410 North Loraine Street • Midland, Texas 79701

(915) 682-9401 • Fax (915) 682-1565

August 15, 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 # MA 9

Gentlemen:

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

481' – 1.50	2363' – 1.00
789' – 0.50	2855' – 1.50
1098' – 0.50	3345' – 2.00
1375' – 0.50	3650' – 3.50
1868' – 0.75	

Sincerely,

Treva Forrester

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 15th day of August, 2000 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC

