

Form 3160-4
(July 1989)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RE-LEASING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(See other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM060-3160-3

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other OCT 29 1991
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other O.C.D.

2. NAME OF OPERATOR
SOUTHLAND ROYALTY COMPANY

ARTESIA OFFICE

3. ADDRESS OF OPERATOR
P.O. Box 51810, Midland, TX 79710-1810

3a. AREA CODE & PHONE NO.
915-688-6906

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface N, 990' FSL & 1650' FWL

At top prod. interval reported below

At total depth

9a. API WELL NO. 14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH EDDY 13. STATE N. M.

15. DATE SPUDDED 4-23-91 16. DATE T.D. REACHED 5-2-91 17. DATE COMPL. (Ready to prod.) 5-3-91 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3584' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3921 21. PLUG BACK T.D., MD & TVD 3715' 22. IF MULTIPLE COMPL. HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 2574'-3631' YATES & PREMIER 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CBL-CCL 27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	28#	520'	12-1/4"	450 SXS	115 SXS
5-1/2"	15.5#	3921'	7-7/8"	1275 SXS	255 SXS

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2-7/8"	3484.21'	

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3783'-3797', 2 SPF, 30 HOLES, GRAYBURG CIBP @ 3750'		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3606'-3631', 2 SPF, 52 HOLES, PREMIER		3783'-3797'	A W/1300G 7-1/2% NEFE HCL
2574'-2596', 1 SPF, 23 HOLES, YATES		3606'-3631'	A W/1000G 7-1/2% NEFE HCL
		F W/11500G 35#	BORATE XLINKED GEL + 32000 12/20
		2574'-2596'	A W/1000G 7-1/2% NEFE HCL

33.* PRODUCTION F W/63000G 35# Borate XLinked gel +
DATE OF FIRST PRODUCTION 9-11-91 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2-1/2" X 1-1/4" X 18' RHBC PUMP 8700# 12/20 SD WELL STATUS (Producing or shut-in) PRODUCING

DATE OF TEST 10-10-91 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD 25 OIL - BBL. 5 GAS - MCF. 8 WATER - BBL. 200/1 GAS - OIL RATIO
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24 HOUR RATE 36.3 OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD TEST WITNESSED BY SJS

35. LIST OF ATTACHMENTS
C-104, C-116, INCLINATION

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Marcia F. Perez TITLE PRODUCTION ASST. DATE 10-14-91

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

Title 18 U.S.C. Section 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 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).					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
REDBEDS	0'	550'	REDBEDS		RUSTLER	550'	
RUSTLER	550'	725'	ANHY.		T/SALT	725'	
SALADO	725'	1895'	SALT		B/SALT	1895'	
TANSILL	1895'	2115'	ANHY.		YATES	2115'	
YATES	2115'	2600'	SANDSTONE, ANHY., & DOLOMITE		7 RIVERS	2600'	
7 RIVERS	2600'	3195'	DOLOMITE & ANHY		QUEEN	3195'	
QUEEN	3195'	3840'	SANDSTONE & DOLOMITE		SAN ANDRES	3840'	
SAN ANDRES	3840'	3635'	DOLOMITE		GRAYBURG	3635'	
GRAYBURG	3635'	3440'	DOLOMITE		PENROSE	3440'	
PENROSE	3440'	3921'					

INCLINATION REPORT

RECEIVED

OPERATOR: MERIDIAN OIL INC.

ADDRESS: 21 DESTA DRIVE
MIDLAND, TX 79705

LEASE NAME: SHUGART "A"

WELL: #11 FIELD: O. C. D.

LOCATION: EDDY County, New Mexico

~~ARTESIA OFFICE~~

Measured Depth	Course Length	Angle of Inc.	Displacement Per 100 ft.	Course Displacement	Accumulative Displacement
520	520	0.75	1.31	6.8120	6.8120
1020	500	1.75	3.05	15.2500	22.0620
1279	259	2.00	3.49	9.0391	31.1011
1580	301	1.75	3.05	9.1805	40.2816
1867	287	2.75	4.80	13.7760	54.0576
2026	159	2.75	4.80	7.6320	61.6896
2146	120	2.75	4.80	5.7600	67.4496
2363	217	2.25	3.93	8.5281	75.9777
2519	156	3.00	5.23	8.1588	84.1365
2642	123	2.25	3.93	4.8339	88.9704
2737	95	2.25	3.93	3.7335	92.7039
2830	93	2.50	4.36	4.0548	96.7587
2922	92	1.75	3.05	2.8060	99.5647
3346	424	1.25	2.18	9.2432	108.8079
3705	359	0.75	1.31	4.7029	113.5108
3921	216	0.75	1.31	2.8296	116.3404

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

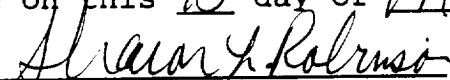

 TITLE: DRILLING SECRETARY

AFFIDAVIT:

Before me, the undersigned authority, appeared Cathy Pearce known to me to be the person whose name is subscribed hereabove, who, on making deposition, under oath states that she is acting for and in behalf of the Operator of the well identified above, and that to the best of her knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.


 AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 15 day of May, 1991.


 Notary Public in and for the
 County of Midland, State of Texas.
