

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		RECEIVED DEC 21 '88	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENVR ☐ Other ☐			
2. NAME OF OPERATOR Southland Royalty Company			
3. ADDRESS OF OPERATOR 21 Desta Drive Midland, Texas 79705		O. C. D. ARTERIA, OFFICE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 385' FNL & 1325' FEL, Sec. 27, T-17-S, -29-E At top prod. interval reported below At total depth			
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 08-29-88		16. DATE T.D. REACHED 09-04-88	
17. DATE COMPL. (Ready to prod.) 09-25-88		18. ELEVATIONS (OF, RKB, RT, GS, ETC.)* 3573'	
20. TOTAL DEPTH, MD & TVD 3500'		21. PLUG BACK T.D., MD & TVD 3450'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY XX	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2669-3384' (Keely)		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CNL/CBL/CCL		27. WAS WELL CORDED No	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	250'	12-1/4"
5-1/2"	14#	3500'	7-7/8"
30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PACKER SET (MD)
2-3/8"		2551'	None
31. PERFORATION RECORD (Interval, size and number)			
2669-2818' (24)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3035-3384'		DEPTH INTERVAL (MD)	
		AMOUNT AND KIND OF MATERIAL USED	
		2669-2818' Aciz w/2000 gals -- Frac w/50,000 gal 30# Gel & 162,000# 12/20Sand	
		3035-3384' Aciz w/2000 gals--Frac w/42,100 gal 40# Gel & 120,000# 12/20Sand	
33. PRODUCTION			
DATE FIRST PRODUCTION 09-25-88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) PMPG	
DATE OF TEST 11-24-88		WELL STATUS (Producing or shut-in) Producing	
HOURS TESTED 24	CHOKE SIZE --	PROD'N. FOR TEST PERIOD OIL--BSL. 20 GAS--MCF. TSTM	WATER--BSL. 27 GAS-OIL RATIO --
FLOW, TUBING PRESS. --	CASING PRESSURE 20#	CALCULATED 24-HOUR RATE OIL--BSL. 20 GAS--MCF. TSTM	WATER--BSL. 27 OIL GRAVITY-API (CORR.) 35.2
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold		TEST WITNESSED BY Jerry Sparks	
35. LIST OF ATTACHMENTS Deviation Survey, Cement Bond Log, Plat, C-104		ACCEPTED FOR RECORD SJS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED <u>Marianne Martin</u> TITLE Operations Tech III		DATE 12-1-88	

*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

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.		NAME		TOP	
		0	130'	130'	Redbed	(130')	Rustler	130'			
		130'	340'	340'	Anhydrite	(210')	Salt	340'			
		340'	700'	700'	Anhydrite & Salt	(360')	B/Salt	700'			
		700'	1160'	1160'	Anhydrite, Sandstone & Dolomite	(460')	Yates	850'			
		1160'	1770'	1770'	Dolomite	(610')	Queen Sandstone	1778'			
		1770'	2164'	2164'	Dolomite, Sandstone, Shale	(394')	Grayburg Dolomite	2164'			
		2164'	2600'	2600'	Dolomite	(436')	San Andres Dolomite	2600'			
		2600'	3500'	3500'	Dolomite	(900')					

All distances must be from the outer boundaries of the section.

Operator MERIDIAN OIL COMPANY			Lease ROBINSON JACKSON UNIT TR 2A		Well No. 33
Unit Letter B	Section 27	Township 17 South	Range 29 East	County Eddy	

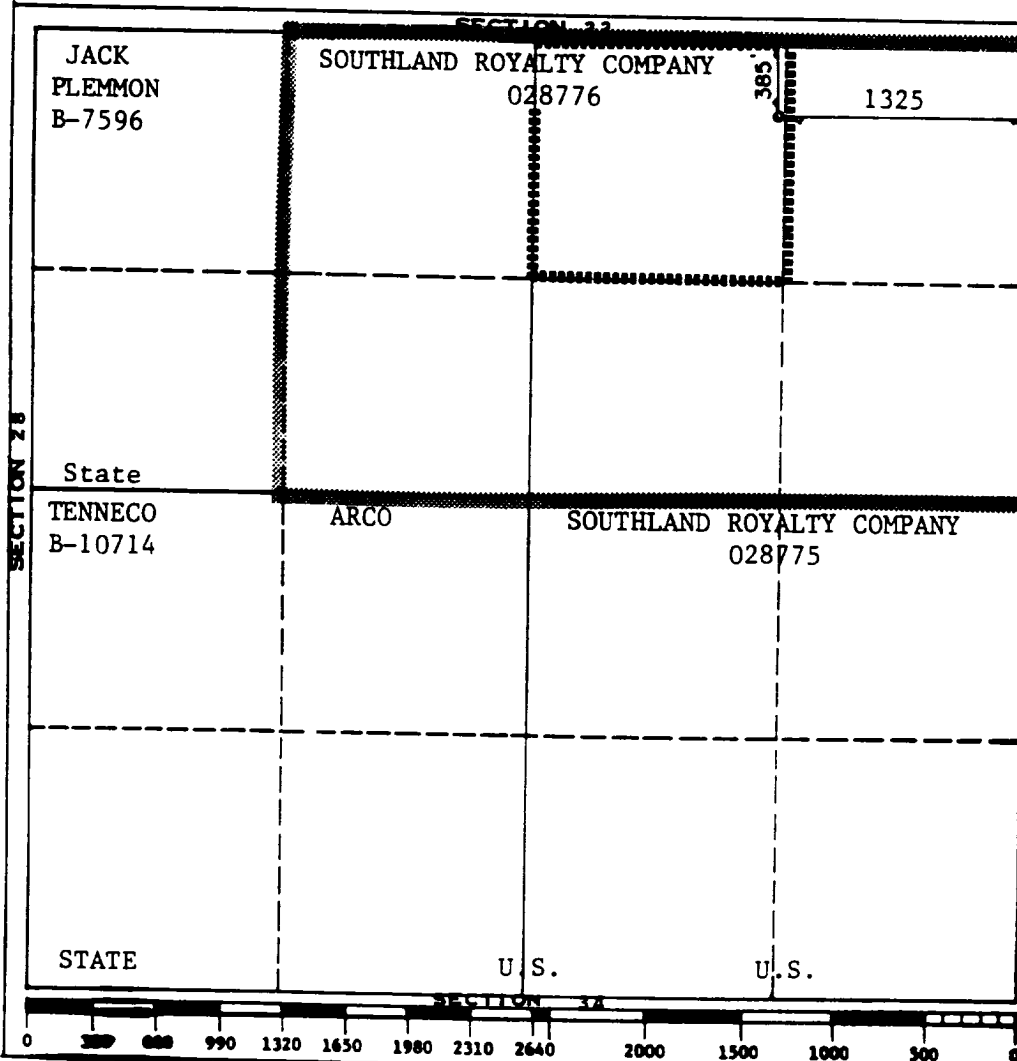
Actual Footage Location of Well:

385 feet from the north line and 1325 feet from the east line	
Ground Level Elev. 3573'	Producing Formation Keely
Pool Grayburg-Jackson	Dedicated Acreage: 40

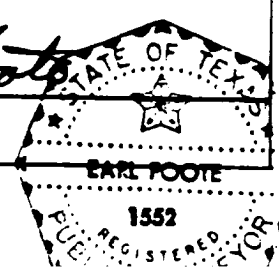
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes, type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	Cathy Nokes
Position	Operations Tech III
Company	Southland Royalty Company
Date	December 21, 1987
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	Earl Foote
Registered Land Surveyor	
Earl Foote	
Certificate No.	1552



GEARHART

CEMENT BOND LOG GR/CCL

FILING NO.	COMPANY <u>VERIDIAN OIL CO.</u>	
	WELL <u>ROBINSON JACKSON UNIT TR 2A NO. 33</u>	
	FIELD <u>GRAYBURG JACKSON</u>	
	COUNTY <u>EDDY</u>	STATE <u>NEW MEXICO</u>
	LOCATION <u>385' FNL & 1325' FEL</u>	
SEC <u>27</u> TWP <u>17-S</u> RGE <u>29-E</u>		Other Services CNL

Permanent Datum	<u>GL</u>	Elev. <u>3573</u>
Measured from	<u>KB</u>	<u>16</u> Ft. Above Permanent Datum
King Measured from	<u>KB</u>	

Date	<u>9-7-88</u>	Type Fluid in Hole	<u>2% KCL</u>
Run No.	<u>One</u>	Dens.	<u>N/A</u>
Depth—Driller	<u>3500</u>	Visc.	<u>N/A</u>
Depth—Logger	<u>3398</u>	Max. Rec. Temp.	<u>100</u>
Run Log Interval	<u>3390</u>	Est. Cement Top	<u>2200</u>
Log Interval	<u>1700</u>	Equip.	<u>7634</u>
Open Hole Size	<u>7.87</u>	Location	<u>Hobbs</u>
		Recorded By	<u>Hill</u>
		Witnessed By	<u>Mr. Herring</u>

SING REC.	Size	WL/Ft	Grade	Type Joint	Top	Bottom
Surface String	<u>8 5/8</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>Surface</u>	<u>250</u>
Int. String						
Ext. String	<u>5 1/2</u>	<u>14*</u>	<u>K-55</u>	<u>STC</u>	<u>Surface</u>	<u>3500</u>
Other						

PRIMARY CEMENTING DATA				
RING	Surface	Protection	Production	Liner
Amount of Cement				
Depth of Cement				
Relative				
Relative by %				
Order				
Order by %				
Amount of Slurry				
Water Loss				
Mud Type				
Milling Mud Wt.				

FOLD HERE

PRIMARY CEMENTING PROCEDURE				BOND EQUIPMENT DATA			
Hour	Date	Tool No. <u>658</u>	Tool Type <u>Combination</u>	Tool Size <u>3.25</u>	Type <u>N/A</u>	Size <u>N/A</u>	Position <u>Top & Bottom</u>
Started Pumping Cement		Centralizer:	No. <u>2</u>	Transmitter to Receiver Spacing			
Plug on Bottom				Seismic Spectrum			
Release Pressure				Travel Time			
Finish Cementing Operation				Amplitude			
Start Cement Bond Log	<u>11:00</u>	<u>9-7</u>	<u>3'</u>	5'			
Finish Cement Bond Log	<u>15:00</u>	<u>9-7</u>					
GAMMA RAY EQUIPMENT & LOGGING DATA							
Tool No. <u>658</u>	Speed <u>32</u> FPM	T.C. <u>212.6</u>	Bkg. <u>502.4</u>	Sena. <u>289.8</u>	Zero <u>0-L</u>	Div. <u>0-L</u>	Api Per <u>10</u> Log Div.
Tool Model No.	From <u>1700</u>	To <u>3384</u>					
Diameter							

INCLINATION REPORT

OPERATOR: Meridian Oil Inc.

ADDRESS: 21 Desta Drive
Midland, Texas 79705

LEASE NAME: Robinson Jackson WELL #: TR2A #33 FIELD: _____
LOCATION: Eddy, New Mexico RECEIVED

DEC 21 '88

Measured Depth	Angle of Inc.	O. C. D. ARTESIA, OFFICE	Displacement Per 100 ft.	Accumulative Displacement
250 *	1.00		1.75 *	4.3750
709 *	1.00		1.75 *	12.4075
1195 *	0.75		1.31 *	18.7741
1689 *	0.50		0.87 *	23.0719
2163 *	0.75		1.31 *	29.2813
2643 *	1.75		3.05 *	43.9213
3136 *	1.50		2.62 *	56.8379
3500 *	1.75		3.05 *	67.9399

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

Rebecca Edwards

TITLE: DRILLING SECRETARY

AFFIDAVIT:

Before me, the undersigned authority, appeared Rebecca Edwards known to me to be the person whose name is subscribed herebelow, 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.

Rose McCollum
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 7th day of September 1988.

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

SEAL

My Commission Expires: 7-19-89