

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other <u>RECEIVED</u>		5. LEASE DESIGNATION AND SERIAL NO. NM- 4553-D				
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☒ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>FEB 16 1973</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
2. NAME OF OPERATOR <u>Virgil Landreth</u>		7. UNIT AGREEMENT NAME				
3. ADDRESS OF OPERATOR <u>5534 Fredricksburg Rd, Apt 132 San Antonio, Texas 78229</u>		8. FARM OR LEASE NAME				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface At top prod. interval reported below At total depth		9. WELL NO. <u>Panhandle # 1</u>				
14. PERMIT NO.		DATE ISSUED <u>3-72</u>				
15. DATE SPUDDED <u>4-1-72</u>		16. DATE T.D. REACHED <u>6-30-72</u>				
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>5800</u>				
19. ELEV. CASINGHEAD <u>5800</u>		20. TOTAL DEPTH, MD & TVD <u>3445</u>				
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*				
23. INTERVALS DRILLED BY <u>0 to 3445</u>		ROTARY TOOLS <u>0 to 3445</u>				
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>No production, dry hole</u>		25. WAS DIRECTIONAL SURVEY MADE <u>none</u>				
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>SCHLUMBERGER Dual Induction Laterlog and Borehole Sonic Gamma Ray</u>		27. WAS WELL CORED <u>No</u>				
29. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
<u>9 5/8 "</u>	<u>32 .30</u>	<u>360 ft.</u>	<u>12 3/4"</u>	<u>Circulated to surface</u>	<u>160 sax</u>	
<u>4 1/2 "</u>	<u>9.50</u>	<u>3,000</u>	<u>7 7/8"</u>	<u>Cement to 2350 ft.</u>	<u>250 sax</u>	
31. PERFORATION RECORD (Interval, size and number) <u>2496 to 2505 2 shots per foot 12 holes</u> <u>2900 to 2908 2 shots per foot 14 holes</u>				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED					
<u>2496 to 2505</u>	<u>1000 gallons acid</u>					
<u>2900 to 2908</u>	<u>1,000 gallons acid</u>					
33.* PRODUCTION						
DATE FIRST PRODUCTION <u>None</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in) <u>shut in</u>	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY		
35. LIST OF ATTACHMENTS						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED <u>Kelley M. McNeil</u>		TITLE <u>Operator</u>		DATE <u>9-14-72</u>		

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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	MEAS. DEPTH	TRUE VERT. DEPTH
Yeso	surface	1050 ft.	Sands, Shales, and Evaporites Red Shales and Sands Limes Sands and Shales	ABO	1050 ft	same
Abo	1050 ft.	1970 ft		MADERA LIME (Penn.)	1970 ft	same
Madera	1970 ft.	3445 ft.				

Drillers Log

Note Drillers Log from 0 to 1900
unavailable as another contractor
drilled well

1900 to 1980 hard gray lime
1980 to 2055 hard gray lime some blue shale
2055 to 2170 hard gray lime brown shale
2170 to 2265 hard gray lime brown shale
2265 to 2485 hard gray lime brown shale
2485 to 2505 hard sandy lime and shale OIL SHOW
2505 to 2595 lime and shale
2595 to 2665 hard lime brown shale and some sand
2665 to 2835 hard sandy lime
2835 to 2885 shale and lime
2885 to 2950 shale and sand
2950 to 2980 Very hard lime and PT
2980 to 3145 blue shale
3145 to 3205 blue shale and some sand
3205 to 3285 hard lime & shale lime
3285 to 3315 hard lime and sand OIL SHOW
3315 to 3385 hard shale & lime
3385 to 3410 hard sand
3410 to 3420 hard lime
3420 to 3445 chert and granite TD Granite 3445

Drill stem test were made one oil zones but no recovery and very weak blow.
Drillstem test reports on separate report.

*Note: above Lithologies are taken from drillers Log.
No samples were available for a sample log.
FORMATION TOPS shown on Form 9-330 are
Sonic Log picks based on sample logs on
LOCKHART #1 Federal Sec 2B (Tsp 4S - Rge 6-E)*

Robert M. Null
CERTIFIED GEOLOGIST # 852
A.A.P.G.

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

N. M. O. C. C. CORE

DRILL STEM TEST DATA

2892-2918 (straddle) Tool open 20 mins. pre-flow.
Re-opened tool for 35 mins. second flow with fair
to good blow decreasing to very weak blow at end
of test. No oil or gas to surface.

	IHMP	1499#		Chlorides:
75 mins.	SIP	Failed		Mud filtrate sample
20 mins.	IFP	79#	486#	<u>1,500 PPM</u>
	FFP	450#	529#	Mud pit sample
	FHMP	1468#		<u>750 PPM</u>
			Rec.	1054 feet mud.

2606-2660 (straddle) Tool open 31 mins. weak blow
decreasing to zero. No oil or gas to surface.

	IHMP	1330#		Chlorides:
61 mins.	SIP	318#		Mud filtrate sample
	IFP	42#		<u>1,000 PPM</u>
	FFP	53#		Mud pit sample
	FHMP	See below		<u>1,500 PPM</u>

2477-2531 (straddle) Tool open 35 mins. weak blow
decreased to no blow. No oil or gas to surface.
(2 tests on same run)

	IHMP	See below		Chlorides:
60 mins.	SIP	572#		Mud filtrate sample
	IFP	53#		<u>1,000 PPM</u>
	FFP	63#		Mud pit sample
	FHMP	1318#		<u>1,500 PPM</u>

1610-1646 (straddle) Tool open 46 mins. weak blow
decreased to no blow. No oil or gas to surface.

	IHMP	824#		Chlorides:
	IFP	21#		Mud filtrate sample
	FFP	42#		<u>2,000 PPM</u>
	SIP	361#		
	FHMP	824#		

2052-2136 (straddle) Tool open 30 mins. with weak blow
and died. No oil or gas to surface

	IHMP	1031#		Chlorides:
	SIP	48#		Mud filtrate sample
	IFP	26#		<u>1,000 PPM</u>
	FFP	26#		
	FHMP	1008#		

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