

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)Form approved.
Budget Bureau No. 42-B355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. 0109848																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																			
2. NAME OF OPERATOR JACK F. GRDEM		7. UNIT AGREEMENT NAME																			
3. ADDRESS OF OPERATOR P. O. Box 35 Abilene, Texas 79604		8. FARM OR LEASE NAME Federal-21																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 330' FSL and 2310' FSL, Sec. 21 At top prod. interval reported below Same At total depth Same		9. WELL NO. 1																			
14. PERMIT NO.		10. FIELD AND TOOL OR WILDCAT West Larch Queen																			
DATE ISSUED 4/10/72		11. SEC. T. R. S. OF BLOCK AND SURVEY OR AREA Sec. 21 T. 14S, R. 30E																			
15. DATE SPUNDED 5/19/72		12. COUNTY OR Chaves																			
16. DATE T.D. REACHED 6/13/72		13. STATE New Mexico																			
17. DATE COMPL. (Ready to prod.) 6/28/72		14. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 3878 DF																			
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) *		19. ELEV. CASINGHEAD 3778																			
20. TOTAL DEPTH, MD & TVD 2150		21. PLUG, BACK T.D., MD & TVD 2135																			
22. IF MULTIPLE COMPL., HOW MANY? RECEIVED		23. INTERVALS DRILLED BY RECEIVED																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 2119 - 2124 2107-2110		25. WAS DIRECTIONAL SURVEY MADE No																			
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron		27. WAS WELL CORED No																			
28. CASING RECORD (Use all strings) <table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8 5/8</td><td>24#</td><td>450'</td><td>11"</td><td>75 sx</td><td>None</td></tr><tr><td>5 1/2</td><td>15#</td><td>2150</td><td>8"</td><td>100 sx</td><td>None</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8 5/8	24#	450'	11"	75 sx	None	5 1/2	15#	2150	8"	100 sx	None
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31. PERFORATION RECORD (Interval, size and number) 2119 - 2124 2107 - 2110																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>2119 - 2124</td><td>45000 sd, 400 gal oil & water</td></tr><tr><td>2107 - 2110</td><td>70000 sd, 300 bbl oil & water</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	2119 - 2124	45000 sd, 400 gal oil & water	2107 - 2110	70000 sd, 300 bbl oil & water												
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34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented																					
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 Jack F. GrDEM TITLE Operator DATE June 30, 1972																					

*(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 38, 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Red Beds	0	425		Top Salt	537	537
Anhy	425	535		Base Salt	1177	1177
Salt	535	1175		Yates	1342	1342
Anhy	1175	1340		7 Rivers	1902	1902
Sand, Shale	1340	2099		Queen Sand	2099	2099
& anhy	2099	2124				
Sand						

RECEIVED
JUL 18 1972
OIL CONSERVATION COMM.
HARRIS, TX