

ARTESIA FISHING TOOL COMPANY

RECEIVED

P. O. BOX ~~XXXX~~ PHONE (505) 746-6651
470

ARTESIA, NEW MEXICO 88210

AUG 24 12 15 PM '90

CARL
AREA MGR. J. ROE
L. ERS

July 16, 1990

Fred Pool Drilling
PO Box 1393
Roswell, NM 88202

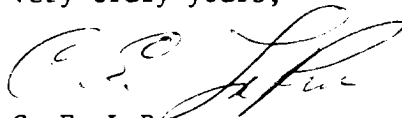
Re: Ronadero #4
660' FWL & 810' FSL
Sec. 31, T19S, R30E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
350'	1 1/2°	2702'	5 1/2°
840'	3/4°	2784'	4°
1208'	1 1/2°	2847'	4°
1767'	2 1/4°	2941'	4°
1890'	3°	2973'	4 1/4°
2014'	3 1/2°	3035'	3 3/4°
2139'	3°	3097'	3 1/2°
2263'	2 3/4°	3190'	3 1/2°
2357'	2 1/2°	3240'	3 3/4°
2480'	3 3/4°	3442'	2 3/4°
2574'	4°	3972'	1 1/2°
2637'	4 1/2°	4640'	1°

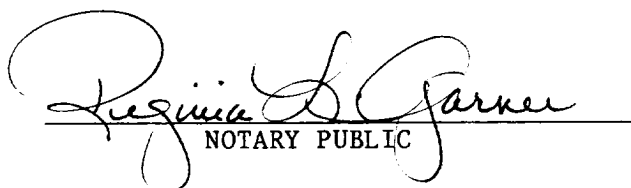
Very truly yours,



C. E. LaRue
President

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 16th day of July, 1990.



NOTARY PUBLIC



RECEIVED JUL 24 1990

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		2. NAME OF OPERATOR FRED POOL DRILLING, INC. ✓		3. ADDRESS OF OPERATOR P.O. BOX 1393, ROSWELL, NEW MEXICO 88202		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 660' FWL 810' FSL At top prod. interval reported below At total depth		5. LEASE DESIGNATION AND SERIAL NO. NM 58815		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME RONADERO FEDERAL		9. WELL NO. #4		10. FIELD AND POOL OR WILDCAT WILDCAT		11. SEC., T., R. 1/4, OR BLOCK AND SURVEY OR AREA SEC. 31, T19S, R30E		12. COUNTY OR PARISH EDDY		13. STATE NEW MEXICO	
15. DATE STUDDED 06/28/90		16. DATE T.D. REACHED 07/14/90		17. DATE COMPL. (Ready to prod.) 07/31/90		18. ELEVATIONS (DF, RKR, RT, OR, ETC.) 3321 GR		19. ELEV. CASINGHEAD 3321		20. TOTAL DEPTH, MD & TVD 4640'		21. PLUG, BACK T.D., MD & TVD 4630'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 3638' - 3712' Delaware		25. WAS DIRECTIONAL SURVEY MADE YES		26. TYPE ELECTRIC AND OTHER LOGS RUN CNLD & DL		27. WAS WELL CORDED NO	
28. CASING RECORD (Report all strings set in well)																									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED															
16"		75#		348'		22"		500sx Class C-2%CaCl		6															
11 3/4"		42#		1262'		15"		500sxPOZ/250sxGlassC-2%CaCl		15															
7"		23#		3237'		9 7/8"		930sx 35/65POZ "c"		5															
4 1/2"		10.5#		4637'		6 1/2"		250sx Class C, 85%D60		25%D461%CaCl															
29. LINER RECORD																									
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)											
										2 3/8		3520'		10											
30. TUBING RECORD																									
31. PERFORATION RECORD (Interval, size and number) 3638, 40, 42, 65, 68, 71, 74, 3702, 4, 6, 8, 14.																									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																									
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED																							
3638-3714'		1000 gal. NFE, 15%																							
		36,500 12/20 SAND																							
33. PRODUCTION																									
DATE FIRST PRODUCTION 8-16-90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping		WELL STATUS (Producing or shut-in) producing																					
DATE OF TEST 8-19-90		HOURS TESTED 24 hrs.		CHOKER SIZE NA		PROD'N. FOR TEST PERIOD →		OIL—BBL. 20		GAS—MCF. 20 thousand		WATER—BBL. 100		GAS-OIL RATIO											
FLOW, TUBING PRESS. 150		CASING PRESSURE 50		CALCULATED 24-HOUR RATE →		OIL—BBL. 20		GAS—MCF. 20 thousand		WATER—BBL. 100		OIL GRAVITY API (CORR.) 1280													
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																									
35. LIST OF ATTACHMENTS logs																									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																									
SIGNED Fred Pool		TITLE VICE PRESIDENT		DATE 08/01/90																					

*(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: "Seals 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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	3638	3712		Rustler	342	
				T. salt	375	
				B Salt	1250	
				Yates	1330	
				7-Rivers	1562	
				Delaware	3638	