

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(and 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 ☐		RECEIVED BY DEC 28 1984 O. C. D. ARTESIA, OFFICE	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐			
2. NAME OF OPERATOR Ray Westall			
3. ADDRESS OF OPERATOR P. O. Box 4 Loco Hills, New Mexico 88255			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990 FNL & 660 FEL At top prod. interval reported below At total depth Same			
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 11-13-84		16. DATE T.D. REACHED 11-16-84	
17. DATE COMPL. (Ready to prod.) 12-1-84		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3500' GR	
19. ELEV. CASINGHEAD 3500'		20. TOTAL DEPTH, MD & TVD 2450'	
21. PLUG, BACK T.D., MD & TVD 2430'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY All		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2242-2365 Yates	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN GRJ	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
8 5/8"		24#	
5 1/2"		17#	
DEPTH SET (MD)		HOLE SIZE	
355'		12 1/4"	
2450'		7 7/8"	
CEMENTING RECORD		AMOUNT PULLED	
200 SXS		None	
600 SXS		None	
29. LINER RECORD		30. TUBING RECORD	
SIZE		SIZE	
TOP (MD)		DEPTH SET (MD)	
BOTTOM (MD)		PACKER SET (MD)	
SACKS CEMENT*		SCREEN (MD)	
2 3/8"		2400'	
Free			
31. PERFORATION RECORD (Interval, size and number) 2242-2365 w/20 .40 cal		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2242-2365		2000 gal 15% SBA acid, 80,000 gal KCL wtr, 80,000# 20/40 sd, 80,000# 10/12 sd	
33.* PRODUCTION			
DATE FIRST PRODUCTION 12-9-84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 12-15-84		HOURS TESTED 24	
CHOKE SIZE 7/8		PROD'N. FOR TEST PERIOD 15.3 BBL	
OIL—BBL. 0		GAS—MCF. 15	
WATER—BBL. 5		GAS-OIL RATIO ---	
CASING PRESSURE 5"		CALCULATED 24-HOUR RATE ---	
OIL GRAVITY-API (CORR.) ---			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		TEST WITNESSED BY Ray Westall	
35. LIST OF ATTACHMENTS Logs, Deviation Survey		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED Ray Westall		TITLE Operator	
DATE 12-21-84			

*(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 report 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.

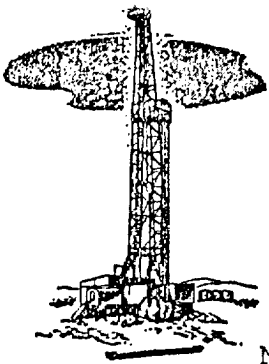
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Yates	2230	2330	Oil, sand	T/salt Base Salt Yates	395 1982 2230	

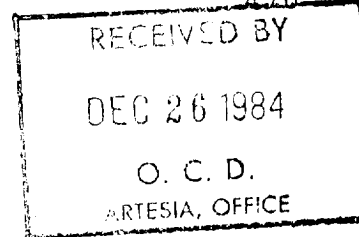


LaRue Drilling Co., Inc. — Oil Well Drilling Contractors

P. O. BOX 202
470

ARTESIA, NEW MEXICO 88210

November 30, 1984



Ray Westall
PO Box 4
Llaco Hills, NM 88255

Re: Hill Federal #2
990' FNL & 660' FEL
Sec. 21, T19S, R31E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
355'	1/4°
900'	1/2°
1430'	1/2°
1959'	3/4°
2450'	3/4°

Very truly yours,

B. N. Muncy Jr.
Secretary

STATE OF NEW MEXICO
COUNTY OF EDDY

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The foregoing was acknowledged before me this 30th day of November, 1984.

NOTARY PUBLIC