

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION AND RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. N. M. 052	
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 Ernest A. Hanson		7. UNIT AGREEMENT NAME Mescalero Ridge	
3. ADDRESS OF OPERATOR P. O. Box 1515, Roswell, New Mexico		8. FARM OR LEASE NAME Mescalero Ridge Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL & FEL At top prod. interval reported below Sec. 35, T. 19 S., R. 34 E. At total depth Lea County, New Mexico		9. WELL NO. 15	
14. PERMIT NO.		DATE ISSUED	
10. FIELD AND POOL, OR WILDCAT Pearl Queen		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 35 - 19S - 34E	
12. COUNTY OR PARISH Lea		13. STATE N. Mex.	
15. DATE SPUDDED 3-4-66	16. DATE T.D. REACHED 3-19-66	17. DATE COMPL. (Ready to prod.) 4-1-66	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3732' KB
19. ELEV. CASINGHEAD 3722'		20. TOTAL DEPTH, MD & TVD 5135' dolo.	
21. PLUG, BACK T.D., MD & TVD 5134'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY → 0 - 5135'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4585 - 4971' Queen Formation	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray - Density - Caliper	
27. WAS WELL CORED Yes		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
DEPTH SET (MD)		HOLE SIZE	
CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		24#	
5-1/2"		15-1/2#	
229'		12"	
5134'		7-7/8"	
150 sx. circ.		None	
350 sx.		None	
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
2-3/8"		4585'	
None			
31. PERFORATION RECORD (Interval, size and number) 1 - 0.375" jet/ft. @ 4585', 4599', 4601', 4608', 4617', 4633', 4637', 4738', 4855', 4858', 4859', 4957', 4959' & 4971'.		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4585 - 4637'		500 gals. acid + 20,000 lease oil + 15,750# sand	
4738 - 4971'		500 gals. acid + 20,000 lease oil + 15,750# sand	
33. PRODUCTION		DATE FIRST PRODUCTION 4-1-66	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 4-1-66		HOURS TESTED 24	
CHOKE SIZE 1/4"		PROD'N. FOR TEST PERIOD → 52	
OIL—BBL. 52		GAS—MCF. 1	
WATER—BBL. 1		GAS-OIL RATIO 36	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE → 52		OIL—BBL. 52	
GAS—MCF. 1		WATER—BBL. 1	
OIL GRAVITY-API (CORR.) 36		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	
TEST WITNESSED BY H. F. Schram		35. LIST OF ATTACHMENTS 2 - GR/Den/Cal logs	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.		SIGNED <u>H. F. Schram</u> TITLE <u>Geologist</u> DATE <u>4-2-66</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:

4. 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.
Core #1 Queen Fm.	4600	4636	Rec. 31' of sand and dolomite with SO in sand.
Core #2 Queen Fm.	4957	4979	Rec. 20' of sand and dolomite with scattered SO in sand.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP
T. Anhydrite	1808'	
T. Salt	1932'	
B. Salt	3349'	
T. Yates	3565'	
T. Queen	4571'	
T. Penrose	4900'	