

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUP. TE*
Artesia, NM 87003 (See other in-
structions 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 ☒				5. LEASE DESIGNATION AND SERIAL NO. NM-18989											
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐				6. IF INDIAN, ALLOTTEE OR TRIBE NAME											
2. NAME OF OPERATOR Enserch Exploration, Inc.				7. UNIT AGREEMENT NAME											
3. ADDRESS OF OPERATOR P. O. Box 4815, Midland, Texas 79704				8. FARM OR LEASE NAME Harper Federal											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 560' FNL & 890' FWL At top prod. interval reported below Same At total depth Same				9. WELL NO. 1											
14. PERMIT NO.				10. FIELD AND POOL, OR WILDCAT Wildcat-Federal											
15. DATE SPUDDED 8-2-83				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T6S, R29E											
16. DATE T.D. REACHED 9-8-83				12. COUNTY OR PARISH Chaves											
17. DATE COMPL. (Ready to prod.)				13. STATE New Mexico											
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4200.9' GR				19. ELEV. CASINGHEAD											
20. TOTAL DEPTH, MD & TVD 8372'				21. PLUG BACK T.D., MD & TVD 8306'											
22. IF MULTIPLE COMPL., HOW MANY*				23. INTERVALS DRILLED BY All											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*				25. WAS DIRECTIONAL SURVEY MADE No											
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MSFL/GR/CAL, DNL/LDT/GR				27. WAS WELL CORED No											
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
13-3/8"		48#		447'		17-1/2"		460 sx. Class C		--					
9-5/8"		36#		2037'		12-1/4"		700 sx. Light, 200 sx. C		--					
4-1/2"		11.6#		8372'		8-3/4"		1650 sx. Class H		4000'					
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
7547'-65', .38" size, 37 holes								DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7612'-14', .38" size, 8 holes								7547'-7614'				2000 gals. 1% MSR 150			
7066'-76', .38" size, 22 holes								7066'-76'				200 gals. 1% MSR 150			
33. PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
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.)								ACCEPTED FOR RECORD PETER W. CHESTER FEB 16 1984				TEST WITNESSED BY FEB 24 1984 P.H.			
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 <i>H. F. Bennett</i>								TITLE Prod. Superintendent				DATE 1/16/84			

*(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 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.
San Andres (Dolomite)	2950' 3050'	3000' 3150'	Oil show, fluorescence & cut. No test. Oil show, fluorescence & cut. DST 3037'-3150'. Rec. 59' drilling fluid. IHP 1559# 15" IFP 90#, 30" ISIP 738#, 120" FFP 90#, 120" FSIP 900#, FHP 1576#.
Cisco (lime)	7060'	7070'	Gas show (mud log). DST 7050'-91'. Rec. 150 DM, 175' GCDM, 80' WCM. 15" IFP 118, 30" ISIP 2361, 60" FFP 249, 120" FSIP 2558.
Penn Detrital Sands	7550'	7568'	DST 7502'-68'. Rec. 666' DM. 15" IFP 183, 30" ISIP 2163, 60" FFP 393, 120" FSIP 2111.
Fusselman (Dolomite)	8075'-8143'		Gas show. DST 8070'-8143'. Rec. 120' DM. 30" IFP 87, 60" ISIP 2950, 90" FFP 108, 180" FSIP 2863.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates	1259'	
San Andres	2280'	
Glorieta	3463'	
Tubb	4931'	
Abo	5696'	
Wolfcamp	6416'	
Cisco	7036'	
Mississippian	7728'	
Silurian	8067'	
Granite Wash	8322'	