

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See instructions on reverse side)

Copy to SF
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 _____				5. LEASE DESIGNATION AND SERIAL NO. NM-10895							
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 Hanagan Petroleum Corporation				7. UNIT AGREEMENT NAME -----							
3. ADDRESS OF OPERATOR P.O. Box 1737 - Roswell, N.M. 88201				8. FARM OR LEASE NAME North Horseshoe Bend							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 660' FNL & 1980' FEL At top prod. interval reported below Same as above At total depth Same as above				9. WELL NO. 1							
10. FIELD AND POOL, OR WILDCAT Wildcat				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 22-23S-25E							
12. COUNTY OR PARISH Eddy				13. STATE N.M.							
15. DATE SPUDDED 8/13/77		16. DATE T.D. REACHED 9/23/77		17. DATE COMPLETED (Ready to prod.) 12/10/77		18. ELEVATIONS (DF, RSB, RT, GR, ETC.)* 3857 GR		19. ELEV. CASINGHEAD 3873 KB			
20. TOTAL DEPTH, MD & TVD 11,500		21. PLUG, BACK T.D., MD & TVD 10858		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS 0-11500 CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 9714-22 Strawn			
25. WAS DIRECTIONAL SURVEY MADE No								26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger: GR CNL Dens. & Dual Laterlog			
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	
16"		65# New		150		20"		105 sx. Class "C" 2% CaCl + 3		yds) ready mix-	
9 5/8"		36 New		2395		14 3/4" & 12 1/4"		Total 1415 sx.		None (none)	
5 1/2"		17 & 20 new		11500		8 1/2" & 7 7/8"		925 sx. Class "H"		None	
								T/cmt. 8010'			
29. LINER RECORD						30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE	
										DEPTH SET (MD)	
										PACKER SET (MD)	
										2 7/8	
										9599	
										9599	
31. PERFORATION RECORD (Interval, size and number) 10957-67 (6 holes 0.46" diam.) csg. gun, sqzd. 10050-70 (11 holes), 10009-13(3 holes), 9926-46 (11 holes) w/csg. gun, separated temporarily from prod. perfs. 9714-22 (5 holes 0.33 diam.) by packer						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 10957-67 A/2000 7 1/2 MSW/N ₂ Sand 100 sx. 10050-70 A/3750 15% NE w/N ₂ -Frac 10,000 w/CO ₂ +1000 sd 9926-46 A/250 15% NE-Frac 7500 15% w/CO ₂ + 7000sd					
33.* PRODUCTION						34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut-in, waiting on pipeline connection					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing - See attached C-122				WELL STATUS (Producing or shut-in) Shut-in					
DATE OF TEST 11/24/77		HOURS TESTED 4 hrs.		CHOKE SIZE Varies		PROD'N. FOR TEST PERIOD CAOF		OIL—BBL. 4186		GAS—MCF. MCFGPD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
										OIL GRAVITY-API (CORR.)	
35. LIST OF ATTACHMENTS (5) C-122, (4) Form 9-330, (5) Form 9-3331, (2) Deviation Surveys (2) Electric Logs						TEST WITNESSED BY Tefteller, Inc.					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						SIGNED <u>Hugh E. Hanagan</u> TITLE <u>Vice President</u> DATE <u>12/20/77</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: 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	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1 (Morrow)	11105	11300	Op. 45", NGTS, Rev. out 188' M & 9512' Salt water, 60" ISI: 4633, FP: 2776-4633, 60" FSI: 4697	B/Reef Bone Spring 3d B.S. Sd. Wolfcamp Penn Strawn 9654 Atoka T/Morrow/Clas-tic. B/Morrow Sd.	1793 4933 8094 8458 9538 10300 10914 11352	