

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Copy to S7
 Form approved.
 Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

RECEIVED
APR 19 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1a. TYPE OF WELL:		OIL WELL ☐		GAS WELL ☒		DRY ☐		Other ☐	
b. TYPE OF COMPLETION:		NEW WELL ☒		WORK OVER ☐		DEEP-EN ☐		PLUG BACK ☐	
2. NAME OF OPERATOR		Gulf Oil Corporation		14. PERMIT NO.		DATE ISSUED		5. LEASE DESIGNATION AND SERIAL NO.	
3. ADDRESS OF OPERATOR		P. O. Box 670, Hobbs, NM 88240		15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
At top prod. interval reported below		1980' FSL, & 990' FWL, Sec 21, T18S, R31E		20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
At total depth				23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE	
				Rotary Tools		Cable Tools		7. UNIT AGREEMENT NAME	
				0-11,983'				8. FARM OR LEASE NAME	
								9. WELL NO.	
								10. FIELD AND POOL, OR WILDCAT	
								11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
								12. COUNTY OR PARISH	
								13. STATE	
								Eddy NM	
								Sec 21, T18S, R31E	
								Under N. Shugart Morrow	
								27. WAS WELL CORED	
								No	
								28. GR, Compensated Neutron-Formation Density, Dual laterolog w/ RXO-Dipmeter	
								No	
29. 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#	626'	17 1/2"	475 sacks - circ					
9 5/8"	40#	4505'	12 1/4"	1350 sacks - circ					
7"	26# & 23#	11,983'	8 3/4"	750 sacks-TSITOC 8700'					
30. TUBING RECORD									
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
					2 3/8"	11,680	11,514		
31. PERFORATION RECORD (Interval, size and number)									
Perforated 7" casing w/ 1/2" JHPF at 11,572-11,580' and 11,658-11,680'									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)					AMOUNT AND KIND OF MATERIAL USED				
					None				
33. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)			
2-21-78		Flw				SI			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO		
2-22-78	24	12/64"	→	30	2758	0	01,933		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)			
2550	-	→	30	2758	0	54.5			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY			
Sold						R. N. Magee			
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		TITLE				DATE			
N. B. Siler, Jr.		Area Engineer				4-17-78			

*(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.), formations 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	TOP TRUE VERT. DEPTH
Atoka	11,013	11,504	DST #1 -11,175-11,300', tool open at 6:30 AM 1-20-78 w/ strong blow, 500 psi on 3/8" choke at end on 30 min IF. Gas to surface in 6 min. 60 min ISI, FF strong blow 1200 psi on 3/8" choke, 3 MMCFG, Stabilized at end of 90 min FF, 120 min FSI, Rec 690' condensate, 1080' gas cut mud, total 1790' Temp 144 deg, IHP 5815, IF 304-783, ISIP 4585, FHP 5815, FF 587-1913, FSIP 4585.	Anhy Salt Base salt Yates Queen Bone Spring Wolfcamp Strawn Atoka Morrow Barnett	548 710 1838 1923 3229 6094 9660 10693 11013 11504 11832	548 710 1838 1923 3229 6094 9660 10693 11013 11504 11832
Morrow	11,504	11,832	Important zones of porosity at 11570-80' and 11660-78' with avg ϕ of 12%			