

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved
Budget Bureau No. 42-R355.5.

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 4986	
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 GULF OIL CORPORATION ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 670, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME Pacheco Federal Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2280' FNL & 660' FWL At top prod. interval reported below At total depth		9. WELL NO. 3	
14. PERMIT NO. O.C.C. ARTESIA, OFFICE		10. FIELD AND POOL, OR WILDCAT Angel Carol Undes. Morrow	
15. DATE SPUDDED 9-8-78		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 31, T-19S, R-28E	
16. DATE T.D. REACHED 10-19-78		12. COUNTY OR PARISH Eddy	
17. DATE COMPL. (Ready to prod.) 11-17-78		13. STATE New Mexico	
18. ELEVATIONS (DT, R&B, RT, GR, ETC.)* 3391' GL		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 11,180'		21. PLUG, BACK T.D., MD & TVD 10,740'	
22. IF MULTIPLE COMPL., HOW MANY* Single		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 10,623' - 10,710' Morrow		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Compensated Neutron, Compensated Density, Dual Laterolog		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	48#	421'	17-1/2"
8-5/8"	24#	2,865'	12-1/4"
5-1/2"	17#	11,180'	7-7/8"
CEMENTING RECORD			
625 sx - Circulated			
1010 sx - TSITOC @ 130'			
750 sx - TSITOC @ 8020'			
AMOUNT PULLED			
-			
-			
-			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	10,575'	10,570'	
31. PERFORATION RECORD (Interval, size and number)			
Perforated 5-1/2" casing w/(2) 1/2" JHPF @ Morrow intervals 10,623-626', 10,684-687' & 10,707-710'			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
10,623' - 10,710'		Acidized with 4500 gallons 10% HCl w/Morrow surfactants & 1000 SCF N ₂ per bbl	
33. PRODUCTION			
DATE FIRST PRODUCTION 11-17-78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 12-1-78		WELL STATUS (Producing or shut-in) Shut-In	
HOURS TESTED 4	CHOKE SIZE Adj	PROP'D. FOR TEST PERIOD →	OIL—BBL. -
FLOW. TUBING PRESS. 1160#	CASING PRESSURE -	CALCULATED 24-HOUR RATE →	GAS—MCF. 798
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold		WATER—BBL. -	
35. LIST OF ATTACHMENTS		OIL GRAVITY-API (CORR.) -	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		TEST WITNESSED BY R. N. Magee	
SIGNED <i>H. S. Sikes, Jr.</i>		TITLE Area Engineer	
DATE 12-07-78			

*(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 23, 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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	2757'	4556'	Sand, Limestone, Dolomite & Shale			
Bone Spring	4556'	5842'	Limestone & Shale			
st Bone Spring Sand	5842'	6584'	Sand & Limestone			
nd Bone Spring Sand	6584'	8054'	Sand, Shale & Limestone			
rd Bone Spring Sand	8054'	8540'	Sand, Shale & Limestone			
Wolfcamp	8540'	9166'	Limestone & Shale			
Strawn	9166'	10092'	Limestone, Shale & Sand			
Atoka	10092'	10573'	Sand, Shale & Limestone			
Morrow	10573'	11008'	Sand, Limestone & Shale			
Barnett	11008'	11180'	Shale & Limestone			