Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
JUN 06 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
JUN 8 1977
O. C. C.
ARTESIA, OFFICE

5. LEASE DESIGNATION AND SERIAL NO.: NM-330

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Franklin et al Federal

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: Crooked Creek Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 9, 24-S, 24-E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: Box 670, Hobbs, New Mexico 88240

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1650' FNL & 1980' FEL, Section 9, 24-S, 24-E
At top prod. interval reported below
At total depth

14. PERMIT NO.:

DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
3-21-77	4-24-77	5-16-77	3973' GL	--

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
10,200'	10,158'	Single	→	0-10,200'	--

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 9723' to 9791'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR Comp. Neutron - Form Density, Dual Laterolog W/Rxo

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"	54.50#	304'	17-1/2"	300 sacks (Circulated)	
8-5/8"	24#	2,600'	12-1/4"	1300 sacks (Circulated)	
5-1/2"	15.50#	10,200'	7-7/8"	800 sacks (TOC at 7,000')	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	9696'	9659'

31. PERFORATION RECORD (*Interval, size and number*)
Perforated 5-1/2" casing with 4, .32" JHPF at 9723-39' & 9785-91'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9723-9791'	3,000 gallons of 7-1/2% HCL acid.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5-16-77	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-22-77	24 hours	1"		--	1568	--	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
510#	0		--	1568	--	--

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Shut in - Waiting on connection

TEST WITNESSED BY: 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 D. T. Berlin TITLE Area Engineer DATE June 2, 1977

*(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.
	0	3,227'	Red Beds & Ls.
		7,328'	LS, Shale with sand beds.
		7,800'	Shale & LS
		8,720'	Limestone & Shale
		9,469'	LS & Shale
		10,070'	Clastic Top with sands & shales.
		10,210	Shale

DST # 1 - 9650' to 9825'. Open tool 30 min 1st flow with good blow, GTS in 5 min, GV 1530 MCF, 450#, 3/8" ck. 1 hr 2 flow, GV 2879 MCF, 460#, 1/2" ck. Rec 829' DM with Nitrates, 75 PPM. BHT 170°, IHP 4897, 30 min 1st flow 323-762, 60 min ISIP 3895, 60 min 2nd flow 508-923, 120 min FSIP 3895, FHP 4829.

DST# 2 - 9900 to 10,000'. Open tool with strong blow, GTS in 5.5 min. 30 min IF, 3/8" ck, 585, 2020 MCF. 1 hr ISIP 1 hr FF, 1/2" ck, Max 420#, decr to 410, est 2660 MCF, 2 h FSIP. IHP 4899, IFP 588-915, ISIP 3866, FHP 4899, FFP 545-741, FSIP 3669. BHT 170°. Rec 850' gas cut mud, Nitrates 20 PPM recovery.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Bone Springs	3,227'	
Wolfcamp	7,328'	
Penn Limestone	7,800'	
Strawn	8,720'	
Morrow	9,469'	
Barnett	10,070'	

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