

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

2. NAME OF OPERATOR

McCLELLAN OIL CORPORATION

JUL 12 1973

3. ADDRESS OF OPERATOR

Box 848, ROSWELL, NEW MEXICO 88201 D. C. C.

Location of well (Report location clearly and in accordance with any State requirements)

At surface

At top of production interval reported below

1980 FSL & 660 FEL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

4/28/73

16. DATE T.D. REACHED

6/01/73

17. DATE COMPL. (Ready to prod.)

6/15/73

18. ELEVATIONS (DF, RKB, RT, GR, ETC.) *

4012 G. L.

19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD

2230

21. PLUG, BACK T.D., MD & TVD

2209

22. IF MULTIPLE COMPL.,
HOW MANY *23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

2186 - 2194

25. WAS DIRECTIONAL
SURVEY MADE:

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GAMMA RAY NEUTRON INSIDE CASING

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
8-5/8"	20 LB.	478	10 1/4"	100 SX	
4 1/2"	9 1/2 LB.	2230	8"	100 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

2186-2194 w/3 SHOTS/FOOT

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2186-2194	500 ACID, 15,000 WATER
	12,500 SAND

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/15/73		FLOWING				SHUT-IN	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/27/73	24		→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	SEE ATTACHED C-122				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SHUT-IN AWAITING GAS CONNECTION

35. LIST OF ATTACHMENTS

C-122

U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

TEST WITNESSED BY

RALPH ERWIN

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

PRESIDENT

DATE

7/6/73

*(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 office to which the report is submitted. 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, 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.

For 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.

for each additional interval to be separately produced, showing the additional data pertinent to such interval.

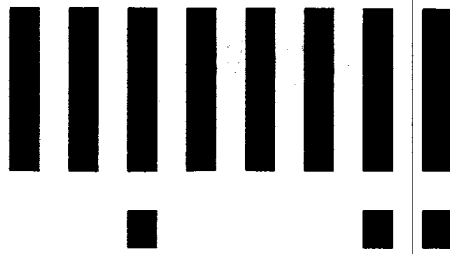
Item 29: Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. ("Sacks Cement": See instruction for items 22 and 24 above.)

Item 30: Submit a separate completion report on this form for each interval to be separately produced.

Item 31: Submit a separate completion report on this form for each interval to be separately produced.

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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	GEOLOGIC MARKERS	38.
QUEEN	2180	2195	GAS		T. SALT B. SALT YATES QUEEN	650 1290 1465 2150			



LTR



Job separation sheet

RECEIVED

N. M. O. C. C. COBY
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

JUL 1 1973
Form 9-1-65O. O. C.
ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/27/73			
Company McClallen Oil Corporation				Connection None				JUL - 9 1973	
Pool Wildcat				Formation Queen				Unit	
Completion Date 6/13/73		Total Depth 2230		Plug Back TD 2209		Elevation 4012 GR		Farm or Lease Name Federal I	
Csg. Size 4 1/2	Wt. 9.3	d 4.090	Set At 2230	Perforations: From 2186 To 2194		Well No. 1			
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. I 8 158 30E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Chaves	
Producing Thru Casing		Reservoir Temp. °F 88 @ 2200		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 2186	H 2186	Gg .893	% CO ₂ -	% N ₂ 70.43	% H ₂ S -	Prover X	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI									743		72
1.	2	X	1/4	729		72			729	72	1
2.	2	X	3/8	682		71			682	71	1
3.	2	X	1/2	598		72			598	72	1
4.	2	X	3/4	592		70			592	70	1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	1.067		742.2	.9887	1.058	1.018	639
2.	2.378		693.2	.9898	1.058	1.017	1760
3.	4.279		611.2	.9887	1.058	1.016	2760
4.	9.493		403.2	.9905	1.058	1.011	4038
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	1.37	532	2.05	.965		
2.	1.28	531	2.05	.966		
3.	1.13	538	2.05	.969		
4.	0.73	530	2.05	.978		
5.						

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$
1.			530.8	21.6		1.403	1.203
2.			483.3	88.5			
3.			373.6	193.2			
4.			164.2	407.6			
5.							

Absolute Open Flow 4882 Mcfd @ 15.025				Angle of Slope θ		Slope, n .547	
Friction negligible.							
Remarks:							
Approved By Commission: <i>[Signature]</i> Conducted By: <i>[Signature]</i> Calculated By: <i>[Signature]</i> Checked By:							