

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 23002 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Llano Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Shugart (Y, 7-R, Q, G)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 3, T-19-S

R-31-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

Flag-Redfern Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2280 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface Unit P, 660' FEL &amp; 660' FNL Sec 3 T-19-S

R-31-E

At top prod. interval reported below

As above

At total depth

As above

14. PERMIT NO.

DATE ISSUED

Nov. 9, 1979

15. DATE SPUDDED

11-29-79

16. DATE T.D. REACHED

12-17-79

17. DATE COMPL. (Ready to prod.)

1-10-80

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

3602 GR

19. ELEV. CASINGHEAD

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20. TOTAL DEPTH, MD &amp; TVD

4250

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

4222

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

105' - TD

0-105'

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

3916-3827 Grayburg

3435-3381 Queen

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-Micro SFL, CNL-FDC

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"	24	874	11"	275 sxs Hall. Lite, 2% CaCl	Circ 40 sx
				+200 sxs Cl "C", 2% CaCl	
5 1/2"	14, 15.5, & 17	4250	7 7/8"	565 sx Lite, 15# salt 5#	gilsonite
				350 sx 50/50 Cl "C"-Poz A	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3954	None

31. PERFORATION RECORD (Interval, size and number)

Grayburg-3827-30, 3890-98, 3807-09

3912-16 w/ 1 JSPF (.38" diam)

Queen-3432-35, 3422-25, 3414-17, 3408-10

3404-06, 3400-02, 3394-96, 3389-92

3381-84, w/ 1 JSPF (.38" diam)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3827-3916	1500 gals Acid & Frac w/ 20,000 gals gelled water
3381-3435	1500 gals Acid & Frac w/ 30,000 gals gelled water

33.\*

PRODUCTION

DATE FIRST PRODUCTION

1-10-80

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Pumping 2" x 1 1/2" x 12' insert

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST

1-29-80

HOURS TESTED

24

CHOKE SIZE

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PROD'N. FOR TEST PERIOD

28.1

OIL—BBL.

14

GAS—MCF.

41

WATER—BBL.

498

GAS-OIL RATIO

31.8°

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

28.1

OIL—BBL.

14

GAS—MCF.

41

WATER—BBL.

498

OIL GRAVITY-API (CORR.)

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

Temporarily for fuel, will be sold when contracted

TEST WITNESSED BY

R. A. Cox

35. LIST OF ATTACHMENTS

Deviation Survey's, Logs (CNL-FDC, DLL)

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

SIGNED

TITLE

Engineer

DATE

1-29-80

\*(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 POROSITY 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
Yates	2550	2620	Sand w/ some Hydrocarbons and high saturation of formation water Formation water Hydrocarbons and some formation water Hydrocarbons and some formation water	Anhydrite	715	
Seven Rivers	2812	3210		Salt	875	
Queen	3370	3452		Yates	2550	
				Seven Rivers	2814	
Grayburg	3827	3920		Queen	3370	
				Grayburg	3827	