

U. S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
HOBBBS, NEW MEXICO 88240

SUBMIT IN DUPLICATE*

(Number id-
st. on
reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

LC 063623

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Kringel Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Sawyer (San Andres)

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

Sec. 31, T-9-S, R-38-E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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. LESVR. Other _____

2. NAME OF OPERATOR
Brazos Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 1782 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1650' FEL & 1980' FSL
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. _____ DATE ISSUED 9-4-81

15. DATE SPUDDED 10-10-81 16. DATE T.D. REACHED 10-16-81 17. DATE COMPL. (Ready to prod.) 12-7-81 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3935.5 GL 19. ELEV. CASINGHEAD 3935.5

20. TOTAL DEPTH, MD & TVD 5020' 21. PLUG, BACK T.D., MD & TVD 5009' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4940' - 4985' San Andres 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron 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#	428	12 1/4"	300 sx CL "C", 1/4# flo. circ	None
				40 sx to surface	
4 1/2"	10.5#	5018'	7 7/8"	850 sx CL "C" 3% Econ. 8# salt/sx	None
				300 sx "C" 50:50 POZ 6# salt/sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5000'	None

31. PERFORATION RECORD (Interval, size and number) 4940' - 4985' .41" 20 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4940' - 4985'	1500 gal MCA
	4000 gals 20% CRA

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-8-81	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-12-81	24	2"	→	4	70	50	17,500

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
0	0	→	4	70	50	26.4 @ 62°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY H. Whitman

35. LIST OF ATTACHMENTS
Logs & Inclination report

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

SIGNED Wayne Edge TITLE Operation Manager DATE 12-15-81

*(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 filed 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 CONTENT THEREOF; CORED INTERVALS; AND ALL DRILL-BIT-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECOVERY

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENT, ETC.	MAHR	GEOLOGIC MARKERS	
	0	2310				NEAR. DEPTH	TOP
Recent and Permian	0	2310	2310	Gravel - Sands - Red Shale	Rustler	2310	
Permian	2310	2382	2382	Anhydrite	Yates	2934	
Permian	2382	2934	2934	Salt + anhydrite	San Andres	4316	
Permian	2934	4316	4316	Sand, Shale, Anhydrite	P. Zone	4780	
Permian	4316	5024	5024	Dolomite - Strr anhydrite	Porosity	4950	
					Fluid Zones		
					Gas Oil Water		

38. GEOLOGIC MARKERS

FORMATION		TOP		BOTTOM	DESCRIPTION, CONTENT, ETC.	MAHR	GEOLOGIC MARKERS	
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