Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
DEC 19 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.: SF - 077972
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Richardson
9. WELL NO.: 6
10. FIELD AND POOL, OR WILDCAT: Basin Dakota
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec.10,T27N,R13W, NMPM

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: Union Texas Petroleum Corporation
3. ADDRESS OF OPERATOR: 375 U.S. Highway 64 Farmington, New Mexico 87401
4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
At top prod. interval reported below 1190' FSL & 2400' FWL
At total depth

14. PERMIT NO. | DATE ISSUED
12. COUNTY OR PARISH: San Juan | 13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9-13-84	9-22-84	10-13-84	6045 GR 6058 KB	6046'

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
6356	6311	N/A	→	0-6356	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6180'-6142' Dakota
25. WAS DIRECTIONAL SURVEY MADE: No
26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, CDL-CNL
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#	323'	12-1/4"	See Attached Sheet	
4-1/2"	10.5#	6356'	7-7/8"		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6151	None

31. PERFORATION RECORD (*Interval, size and number*)
See Attached Sheet

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attached Sheet

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33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10-13-84	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-13-84	3	3/4		0	35.6	0	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
12	280		0	285	0	N/A

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented
TEST WITNESSED BY: Floyd Woodward
35. LIST OF ATTACHMENTS: Items 29, 31 and 32
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L. R. La Follette TITLE Regulatory Technician DATE 12-13-85

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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.
Kirtland	621		Water
Chacra	1922		Gas
Gallup	5184		Oil
Dakota	6061		Gas

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland	621	
Fruitland	1106	
Pictured Cliffs	1459	
Chacra	1922	
Cliff House	2347	
Point Lookout	4011	
Gallup	5184	
Greenhorn	5945	
Dakota	6061	

28. Cementing Record

Surface 230 sx (271 cuft) Class B cement with 2% $CaCl_2$, circulated cement to surface.

Production 1st stage:700sx (1008 cuft) 50/50 poz, 2% gel, 10# gilsonite/sk, followed with 100 sx (126 cuft) 50/50 poz with 2% gel, 0.6% FLA and 10# salt/sk. Stage tool at 2930' K. 2nd stage: 650 sx (943 cuft) 65/35 poz, 12-1/4# gilsonite/sk, 4% gel, followed with 100 sx (118 cuft) Class B cement, 2% $CaCl_2$, and circulated 20 BBLs good cement to surface.

31. Perforation Record

Morrison Sand - 6285, 84, 83, with 3, 0.38" holes

Dakota - 6260, 58, 56, 54, 52, 50, 48, 46, 44, 42, 40, 38, 36; 6180, 78, 48, 46, 44, 42 with 19, 0.34" holes.

32. Acid Shot Fracture, Cement Squeeze etc.

6285 - 83 Acidize: 742" gal, 15% HCL and 7, 7/8" ball sealers.
Squeeze: 50 sxs (59 cuft) Cl "B"

6260 - 6142 Acidize: 1200 gals 15% HCL and 29; 7/8" ball sealers.
Frac: 86,000# 20/40 sand and 61,000 gals. 30# gelled water.

Set retainer at 6212' KB to isolate lower perfs.