

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-32591

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Mar 20 12 43 PM '90

7. UNIT AGREEMENT NAME

North Maduro Federal Unit

8. FARM OR LEASE NAME

North Maduro Federal Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

South Tonto Bone Springs

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

Sec. 20, T-19-S, R-33-E

12. COUNTY OR PARISH
Lea

13. STATE
NM

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

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 671 - Midland, Texas 79702

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

At surface 1800' FSL & 2060' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

7-31-89

15. DATE SPUDDED

9-23-89

16. DATE T.D. REACHED

11-7-89

17. DATE COMPL. (Ready to prod.)

3-19-90

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

3606' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

13,750'

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

ETD 13,740' CIBP @ 11,370'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0'-13,750'

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

9,940' - 10,064' Bone Springs

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CCL - GR - CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	505'	17 1/2"	"C" 500 SXS	
9 5/8"	40 & 36#	5,245'	12 1/4"	(1st) 11.7/900 sx & C 300 sx (2nd)	1700 sxs 11.7/900 sx @ 300'
5 1/2"	17#	13,750'	8 3/4"	(1st) 1200 sx Poz (2nd) 1675 sx 11.7/900 sx & H 50 sx 11.7/900 sx	1675 sxs 11.7/900 sx @ 1048'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	10,300'	

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET FOR PERFS & ACID	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)						WELL STATUS (<i>Producing or shut-in</i>)	
3-19-90		Pumping-2 1/2" x 1 1/4" x 28' Highland RHEM						Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.		GAS-OIL RATIO	
3-22-90	24		→	38	49	55		1289	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		OIL GRAVITY-API (CORR.)		
		→					37.9° @ 60°		
34. DISPOSITION OF GAS (<i>Sold, used for fuel, vented, etc.</i>)									

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

Vented

TEST WITNESSED BY

Kenneth Poole

35. LIST OF ATTACHMENTS

Logs

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

SIGNED

Charlotte Beeson

TITLE

Drlg. Clerk

DATE 3-27-90

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

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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	5420	5510	Sandstone, silty, oil stained	Rustler	1255	
2nd Bone Springs SS	9930	10050	Siltstone, sandstone, oil bearing rotary sidewall cored	Salado	1573	
				Tansill	2913	
Wolfcamp	11466	11476	Limestone, flowed oil & water Rotary sidewall cored-porous Ls Oil on pits	Yates	3110	
				Seven Rivers	3480	
				Queen	4214	
				Capitan	4700	
				Delaware	5288	
Morrow	13092	13110	Sandstone, coarse to fine-grained porous. Salt water shows of condensate & gas.	Bone Springs Ls	8284	
				1st SS	8996	
				2nd SS	9500	
				3rd SS	10,568	
				Wolfcamp	11,013	
				Strawn	12,147	
				Atoka	12,465	
				Atoka Ls	12,877	
				Morrow	13,010	
				Middle Morrow	13,253	
				Lower Morrow	13,558	