

(November 1983)

CONFIDENTIALUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.

Budget Bureau No. 1004-0137
Expires August 31, 1985RECEIVED
HOBBBS, NEW MEXICO

LEASE DESIGNATION AND SERIAL NO.

88240
NM-1597

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Laguna Deep Federal Unit
S. FARM OR LEASE NAME

Laguna Deep Federal Unit

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undes. E. Gem Morrow Gas

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

Sec. 26, T-19-S, R-33-E

12. COUNTY OR
PARISH

Lea

13. STATE

NM

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

3624.5' GR

19. ELEV. CASINGHEAD

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

660' FNL & 1980' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

10-6-89

15. DATE SPUNDED

10-16-89

16. DATE T.D. REACHED

12-15-90

17. DATE COMPL. (Ready to prod.)

3-10-90

20. TOTAL DEPTH, MD & TVD

13,560'

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

13,540'

22. IF MULTIPLE COMPL.,
HOW MANY*

-

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0'-13,560'

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

13,194' - 13,424' (Morrow)

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CNL-OCL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
20"	106 & 94#	1483'	26"	"C" 2500 sxs (CIRC)
13 3/8"	61 & 68#	3232'	17 1/2"	"C" 2400 sxs (CIRC)
9 5/8"	40#	5430'	12 1/4"	"C" (1st) 1075 sx (2nd) 750 sxs (CIRC)
5 1/2"	17#	13,560'	8 3/4"	"H" (1st) 1020 sx (2nd) 1400 sxs DV @ 10,488

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	13,078'	

31. PERFORATION RECORD (Interval, size and number)

13,312'-26' 4-SPF (57 shots)
 13,414'-24' 4-SPF (40 shots)
 13,194'-204' 4-SPF (41 shots)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,312'-26'	28,000 gal 7 1/2% NE, FEELIST HCl-4000 gals 2% KCl 25% Methanol pre-pad w/10,000 gals 3X-9, x-link gel, 1500 gals 15% HCl w/25% methanol & 750 SCF/bbl N2

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
3-10-90		Flowing					S.I. Pend. pipeline conn.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
3-10-90	4 hours	9.5	→	2	1657	0	138083	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
2365	0	→	12	1657	0	50.3°		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								

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

Vented

TEST WITNESSED BY

David Wilkerson

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

Drllg. Clerk

DATE 3-26-90

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

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	TOP TRUE VERT. DEPTH
Delaware	7200'	7300'	SS, shale average 15% porosity-50-60% water saturation-oil shows	Rustler	1360'	
	7324'	7336'	SS, shale oil shows 24% porosity-80% water saturation	Base Salt	3120'	
Bone Spring	10,007'	10,022'	Sandstone, shale, oil shows 9-10% porosity 40-50% water saturation	Yates	3360'	
				Delaware	5482'	
				Bone Spring	8067'	
Middle Morrow	13,312'	13,322'	Sandstone 5% porosity gas productive	Wolfcamp	10,982'	
	13,195'	13,204'	29% water	Strawn	12,088'	
	13,160'	13,170'	Sandstone 13% porosity-27% water-gas productive	Atoka	12,335'	
	13,140'	13,150'	Sandstone, 10% porosity-21% water-gas productive	Atoka ls	12,710'	
				Morrow	12,872'	
Lower Morrow	13,414'	13,424'	Sandstone 11% porosity-14% water-gas productive	Middle Morrow	13,080'	
				Lower Morrow	13,340'	

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