

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMITTED DATE

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-15862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Quail Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Pecos Slope Abo

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

Sec. 22, T-6-S, R-25-E

12. COUNTY OR PARISH
Chaves

13. STATE

New Mexico

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☒

DRY ☐

b. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

2. NAME OF OPERATOR

Great Western Drilling Company

3. ADDRESS OF OPERATOR

P.O. Box 1659, Midland, Texas 79702

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

At surface 660' FNL, 660' FWL of Sec. 22 (NW $\frac{1}{4}$, NW $\frac{1}{4}$)(Unit D)

At top prod. interval reported below same

At total depth same

API #
30-005-62710

DATE ISSUED

15. DATE SPUDDED

8-1-89

16. DATE T.D. REACHED

8-12-89

17. DATE COMPL. (Ready to prod.)

01-04-90

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

3,933.3' GR (3,943.3' KB*)

19. ELEV. CASINGHEAD

3,932.3'

20. TOTAL DEPTH, MD & TVD

4,100'

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

4,007'

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-4,100'

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

Top 3,721', Bottom 3,932', Abo

26. TYPE ELECTRIC AND OTHER LOGS RUN

Litho-Density, Compensated Neutron-GR, Dual Laterolog & MSFL & Caliper

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
10-3/4"	40.5#	913' KBM	14-3/4"	400 Sx. Lite & 200 Sx. "C"	Qmt. Circ.
5-1/2"	17#	4,096' KBM	9-7/8" & 7-7/8"	430 Sxs. "C"	T-Qmt. 2,830'
					T-Surv.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3,914' KBM	---

31. PERFORATION RECORD (Interval, size and number)

Perfs: 3,721'-37, 3,769'-80, 3,785'-93,
3,816'-20, 3,828'-36, 3,893'-96, 3,904'-08,
3,920'-32, total 66', 66 holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3,721'-3,932'	3,000 gals. 7 $\frac{1}{2}$ % HCL acid & frac w/60,000 gals. Cross-Link gel wtr. + 67,500 lbs. 20-40 mesh sd. + 29,000 lbs. 12-20 mesh sd.

33. Test Attached

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping, etc.)			WELL STATUS (Producing or shut-in)	
01-03-90		Flowing			Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	WATER-BBL.	GAS-OIL RATIO	
01-03-90	4	1/8, 3/16, 1/4 5/16	47.9	0	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	WATER-BBL.	OIL GRAVITY-API (CORR.)	
CK. 625	635	→	0	0	0	

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

Pending A.O.F. 3,695 MCFD

TEST WITNESSED BY

John Keeling

35. LIST OF ATTACHMENTS

2 Sets of Logs & Deviation Survey & Back Pressure Test

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

SIGNED

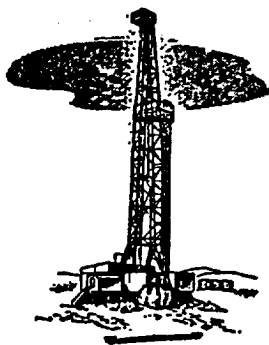
M. B. Maynard

TITLE Ass't. to Gen. Supt.

DATE 01-23-90

*(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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
l-beds, Sh., Anhy.	0'	650'		T-San Andres	774'	(+3167)
l-beds, Dolo, Anhy.	650'	896'		T-Glorieta	1,586'	(+2355)
l-beds, Anhy.	896'	913'		T-Tubb	3,024'	(+917)
Dolo., Anhy.	913'	1,515'		T-Abo	3,680'	(+261)
Salt, Anhy.	1,515'	2,210'				
Salt, Dolo., Anhy.	2,210'	3,381'				
Sh., Anhy., Dolo.	3,381'	3,775'				
Sd., Sh., Anhy.	3,775'	4,100'				



L & M DRILLING, INC. — Oil Well Drilling Contractors

P. O. BOX 672 / ARTESIA, NEW MEXICO 88210
470

August 15, 1989

Great Western Drilling
PO Box 1659
Midland, TX 79702

Re: Quail Federal #4
660' FNL & 660' FWL
Sec. 22, T6S, R25E
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
481'	1 1/2°
632'	1 1/2°
692'	1 1/4°
913'	1 1/2°
1400'	1 1/4°
1835'	1 1/4°
2334'	2 1/2°
2827'	2 1/2°
3349'	1°
3845'	1 1/2°
4100'	1 1/2°

Very truly yours,

B. N. Muncy Jr.
President

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 15th day of August, 1989.

NOTARY PUBLIC

