

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.

N.M. Oil Cons. Division 1649A

IF INDIAN ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME, WELL NO.

Midwest Federal "L" #2

API WELL NO.

30-015-29130

FIELD AND POOL, OR WILDCAT

Happy Valley Delaware

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

Section 34, T22S, R26E

COUNTY OR PARISH

Eddy County

STATE

NM

ELEV. CASINGHEAD

3268'

INTERVALS DRILLED BY

D'-5100'

WAS DIRECTIONAL SURVEY MADE

No

WAS WELL CORRED

No

CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---------------------------------|---------------|
| 13-3/8            | 54.5#           | 655            | 17-1/2    | 530 sxs-circ 156 sxs            |               |
| 8-5/8             | 24#             | 1700           | 11        | 600 sxs-circ 147 sxs            |               |
| 5-1/2             | 15.5# & 17#     | 5100           | 7-7/8     | 900 sxs-TOC @ 1100'             |               |

LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|-------|----------------|-----------------|
|      |          |             |               |             | 2-7/8 | 4850'          |                 |

PERFORATION RECORD (Interval, size and number)

4958'-76' (36 - .50" dia holes)

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 4958'-76'           | Acidz w/ 1000 gals 7-1/2% HCL    |
|                     | Frac w/ 42,000# 16/30 sand       |

PRODUCTION

|                       |                 |                                                                      |                         |          |            |                                    |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
| 1/19/97               |                 | Flowing                                                              |                         |          |            | Producing                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 1/20/97               | 24              | 8/64"                                                                | →                       | 40       | 164        | 11                                 | 4100:1        |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| 1000 psi              | 0 psi           | →                                                                    | 40                      | 164      | 11         | 42.4                               |               |

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

Vented

LIST OF ATTACHMENTS

C-104, Sundry, Deviation Survey, Logs

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

SIGNED

*David Thomas*

TITLE Senior Operations Engineer

DATE 1/28/97

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

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                                          | TOP                  |                   |
|-----------|-----|--------|-----------------------------|-----------------------------------------------|----------------------|-------------------|
|           |     |        |                             |                                               | MEAS. DEPTH          | TRUE VERT. DEPTH  |
|           |     |        |                             | Cherry Canyon<br>Brushy Canyon<br>Bone Spring | 2331<br>3502<br>4988 | 109<br>109<br>109 |