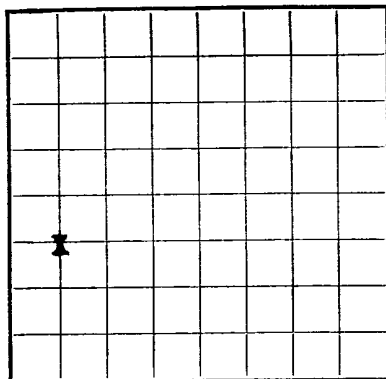


U. S. LAND OFFICE Santa Fe, New MexicoSERIAL NUMBER ST-072395

LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL



Company Monsanto Chemical Company Address Box 492, Snyder, Texas  
Lessor or Tract Frank Field Undesignated State New Mexico  
Well No. 1 Sec. 34 T 25 N R. 10 W Meridian NMPM County San Juan  
Location 1980 ft. N of S Line and 660 ft. E of N Line of Sec. 34 Elevation 6744 G.L.  
(Derriek floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed E. M. MuhlbachDate 7 - 12 - 57Title E. M. Muhlbach, Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 6 - 11, 19 57 Finished drilling 6 - 25, 19 57

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5297 to 5314 and None from 5329 to 5347  
No. 2, from 5329 to 5347 No. 3, from 5329 to 5347  
No. 4, from 5329 to 5347 No. 5, from 5329 to 5347  
No. 6, from 5329 to 5347

## IMPORTANT WATER SANDS

No. 1, from None to Encountered No. 3, from None to Encountered  
No. 2, from None to Encountered No. 4, from None to Encountered

## CASING RECORD

| Size casing    | Weight per foot | Threads per inch | Make      | Amount       | Kind of shoe | Cut and pulled from | Perforated  |             | Purpose        |
|----------------|-----------------|------------------|-----------|--------------|--------------|---------------------|-------------|-------------|----------------|
|                |                 |                  |           |              |              |                     | From -      | To -        |                |
| <u>10-3/4"</u> | <u>41#</u>      | <u>8</u>         | <u>BT</u> | <u>206.8</u> | <u>Plug</u>  | <u>5297</u>         | <u>5329</u> | <u>5347</u> | <u>Surface</u> |
| <u>5-1/2"</u>  | <u>25.8#</u>    | <u>8</u>         | <u>BT</u> | <u>530.1</u> | <u>Plug</u>  | <u>5329</u>         | <u>5347</u> | <u>5347</u> | <u>Surface</u> |

## MUDDING AND CEMENTING RECORD

| Size casing    | Where set     | Number sacks of cement | Method used                 | Mud gravity | Amount of mud used |
|----------------|---------------|------------------------|-----------------------------|-------------|--------------------|
| <u>10-3/4"</u> | <u>218.3'</u> | <u>210</u>             | <u>Displaced &amp; Plug</u> |             |                    |
| <u>5-1/2"</u>  | <u>5393'</u>  | <u>150</u>             | <u>"</u>                    | <u>"</u>    |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....  
Adapters—Material ..... Size .....

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 5419 feet, and from ..... feet to ..... feet  
Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

## DATES

7 - 12, 19 57 Put to producing 7 - 8, 19 57

The production for the first 24 hours was 984 barrels of fluid of which 99.6 % was oil; ..... %  
emulsion; ..... % water; and .4 % sediment. Gravity, °Bé. 41.4 @ 60°

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....  
Rock pressure, lbs. per sq. in. Unknown \*Based on 4 hr. test of 164 BO.

G. W. Riley

## EMPLOYEES

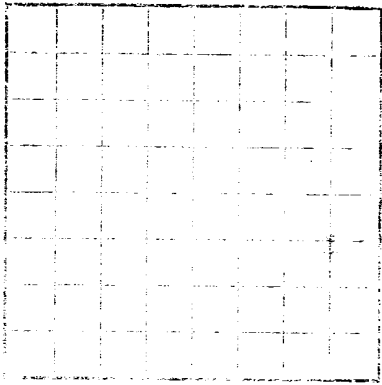
C. R. Woods, Driller W. A. Meadows, Driller  
M. W. Barber, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                   |
|-------|------|------------|---------------------------------------------|
| 0     | 360  | 360        | Sandstone very shaley                       |
| 360   | 1150 | 790        | Siltstones & thin shale beds                |
| 1150  | 1630 | 480        | Dark gray shale, partly silty               |
| 1630  | 1640 | 10         | Coal                                        |
| 1640  | 1720 | 80         | Sandstone                                   |
| 1720  | 2300 | 580        | Silty Shale                                 |
| 2300  | 2400 | 100        | Shale                                       |
| 2400  | 2830 | 430        | Sand with numerous thin shale beds          |
| 2830  | 2880 | 50         | Shale                                       |
| 2880  | 3030 | 150        | Sand with numerous thin shale beds          |
| 3030  | 3130 | 100        | Shale                                       |
| 3130  | 3174 | 44         | Sandstone                                   |
| 3174  | 3690 | 516        | Alternating sand & shale w/occas. coal beds |
| 3690  | 3760 | 70         | Gray shales with small coal beds            |
| 3760  | 3810 | 50         | Sandstone                                   |
| 3810  | 3850 | 40         | Gray shale                                  |
| 3850  | 3900 | 50         | Sandstone                                   |
| 3900  | 3990 | 90         | Gray shale                                  |
| 3990  | 4040 | 50         | Sandstone                                   |
| 4040  | 4120 | 80         | Gray shale                                  |
| 4120  | 4260 | 140        | Sandstone with occasional shale beds        |
| 4260  | 5130 | 870        | Gray shale                                  |
| 5130  | 5300 | 170        | Silty and calcareous shale                  |
| 5300  | 5350 | 50         | Sandstone                                   |
| 5350  | 5419 | 69         | Shale                                       |
| 5419  |      |            | Total Depth                                 |

Transmitted with this form: Copy of Drilling Survey, 4 copies of Schlumberger Induction-Electrical Log and 4 copies of Schlumberger Micro Log.

For core description and treatment record, please refer to Forms 9-331a covering this work.



LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

1. Name of well, location, and ownership.  
2. Date of completion.  
3. Name of operator.  
4. Name of driller.  
5. Name of geologist.  
6. Name of engineer.  
7. Name of chemist.  
8. Name of electrician.  
9. Name of pumpman.  
10. Name of other personnel.

11. Description of well, including depth, diameter, and casing.  
12. Description of formation, including name, thickness, and character.

OIL OR GAS SANDS OR ZONES

(Specify gas by G)

13. Name of zone, from \_\_\_\_\_ to \_\_\_\_\_.  
14. Name of zone, from \_\_\_\_\_ to \_\_\_\_\_.  
15. Name of zone, from \_\_\_\_\_ to \_\_\_\_\_.

IMPORTANT WATER SANDS

16. Name of zone, from \_\_\_\_\_ to \_\_\_\_\_.  
17. Name of zone, from \_\_\_\_\_ to \_\_\_\_\_.

CASING RECORD

18. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.  
19. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.

20. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.  
21. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.

HISTORY OF OIL OR GAS WELL

22. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.

MUDGING AND CEMENTING RECORD

23. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.  
24. Name of casing, from \_\_\_\_\_ to \_\_\_\_\_.

TOOLS AND ADAPTERS

25. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
26. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

SHOOTING RECORD

27. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
28. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

TOOLS USED

29. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
30. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

DATES

31. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
32. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

EMPLOYEES

33. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
34. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

FORMATION RECORD

35. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.  
36. Name of tool, from \_\_\_\_\_ to \_\_\_\_\_.

Inclination Survey

| <u>Depth</u> | <u>Degree</u> |
|--------------|---------------|
| 100          | 1/2           |
| 770          | 1/2           |
| 870          | 1/2           |
| 1715         | 3/4           |
| 2100         | 3/4           |
| 2495         | 3/4           |
| 2800         | 1/2           |
| 3295         | 1             |
| 3500         | 1             |
| 3750         | 3/4           |
| 4131         | 1/2           |
| 4145         | 1/2           |
| 4480         | 1/2           |
| 4910         | 1/2           |

