

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

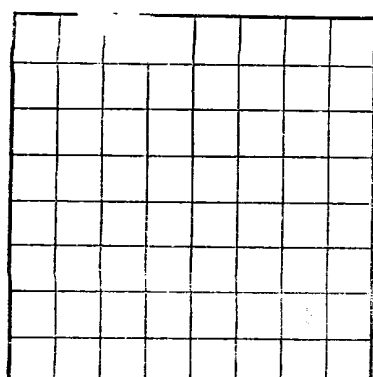
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

16--43091-1

U. S. GOVERNMENT PRINTING OFFICE

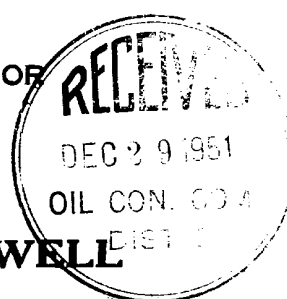
ORIGINAL SIGNED AND DATED

U. S. LAND OFFICE ~~SECRET~~  
SERIAL NUMBER 377  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



## LOG OF OIL OR GAS WELL

Company \_\_\_\_\_ Address \_\_\_\_\_  
 Lessor or Tract \_\_\_\_\_ Field \_\_\_\_\_ State \_\_\_\_\_  
 Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ County \_\_\_\_\_  
 Location \_\_\_\_\_ ft. {N.} of \_\_\_\_\_ Line and \_\_\_\_\_ ft. {E.} of \_\_\_\_\_ Line of \_\_\_\_\_ Elevation \_\_\_\_\_

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.

ORIGINAL SIGNED E. J. COLE

\_\_\_\_\_  
Date \_\_\_\_\_ Title \_\_\_\_\_

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

Commenced drilling	19	Finished drilling	19
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## OIL OR GAS SANDS OR ZONES

(Denote gas by  $(\mathbb{G})$ )

No. 1, from 1 to 2 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2"	4-4 1/2'	2-2 1/2'	2-2 1/2'		
4 1/2"	4-4 1/2'	2-2 1/2'	2-2 1/2'		

## 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
12	12	12	12	12	12	12

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing \_\_\_\_\_, 19\_\_

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

It gas well, cu. ft. per 24 hours 4,000 Gallons gasoline per 1,000 cu. ft. of gas 1.5

Rock pressure, lbs. per sq. in. ----- 44.5 -----

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller \_\_\_\_\_  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller \_\_\_\_\_

## FORMATION RECORD

[illegible]

# B. & R. SERVICE, INC

## TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY  
WELL HARGRAVES 3 FIELD NEW MEXICO  
COUNTY SAN JUAN STATE NEW MEXICO  
SEC. 16 TWP. 27N RGE. 10

APPROX. TOP CEMENT 1400'

Survey Begins at 1000 Ft. Ends at 1959 Ft.

Approx. Fill-Up Max. Temp. 106° @ 1959

Log Measured From G.L. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
2 7/8" from	to 1980'	5 9/16" from	to
from	to	from	to

Date of Cementing 6-30-68 Time 10:00 A.M.

Date of Survey 6-30-68 Time 10:00 P.M.

Amount of Cement 100 SKS. CL C 25 GEL Type

Amount of Admix 1/2 CU. FT. FINE GILSONITE Type

Recorded by DURLEY Witnessed by

REMARKS OR OTHER DATA

### TEMPERATURE IN DEGREES FAHRENHEIT

