

COPY TO O.C.C.

NOTED

U. S. LAND OFFICE - Santa Fe, N. M.

SERIAL NUMBER - NM 03178

LEASE OR PERMIT TO PROSPECT

HOBBES FEB 3 1961

GORDON

I									

LOCATE WELL CORRECTLY

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Robert G. Hanagan Address 207 Ward Building, Artesia, N. Mex.
 Lessor or Tract Federal (Signal) Field Wildcat State New Mexico
 Well No. 1 Sec. 3 T. 20S R. 34E Meridian N.M.P.M. County Lea
 Location 200 ft. N. of H. Line and 330 ft. E. of W. Line of Section 3 Elevation 3652.5

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.

Date 1/2/61 Signed Robert G. Hanagan Owner-Operator

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

Commenced drilling December 20, 1960 Finished drilling January 20, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13 3/8	51#			216.19	Texas Pattern				
8 5/8	21#			1276.19	Texas Pattern - ALL				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	216.19	100	Water Cementing Co.		
8 5/8	1276.19	500			

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 _____ 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. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____
 Contractor G. E. Roach Driller H. D. Walker
 Driller O. L. Wood Driller Henry Crisson

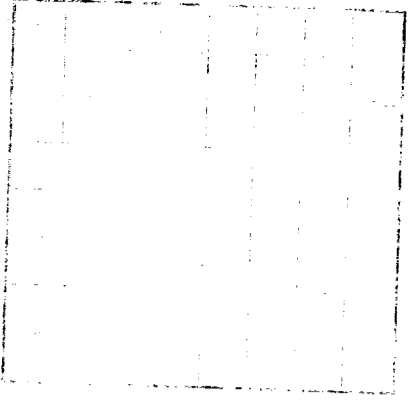
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Surface (0)	1565'	1565'	Red beds
1565'	1690'	125'	Anhydrite and Gyp
1690'	3232'	1542'	Anhydrite, Gyp and Salt
3232'	3450'	218'	Anhydrite, Dolomite and some Red Shale
3450'	3610'	90'	Red and grey Shale and Sand, Anhydrite and some Dolomite
3610'	3740'	130'	Dolomite, anhydrite and some Sand
3740'	3803'	63'	Sand and Dolomite
TOTAL DEPTH 3803'			
Sample Tops:			Electric Log Tops:
	Rustler Anhydrite	1565'	1560'
	Top Salt	1690'	1688'
	Base Salt	3230'	3240'
	Top Yates	3470'	3471'

STATE LOGS OR SAMPLES

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



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 "struck" 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.

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
FORMATION RECORD			
EMPLOYERS			
DATES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND BRIDGES			
JUDGING AND CEMENTING RECORD			

FORMATION RECORD—Continued

U. S. GOVERNMENT PRINTING OFFICE
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