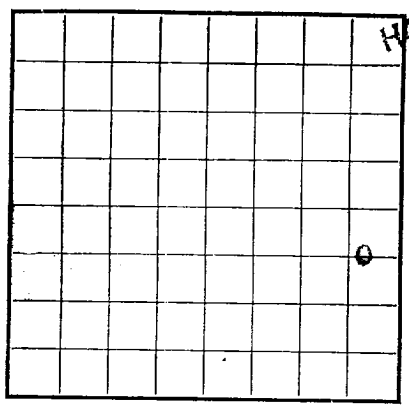
Form 9-330

COPY TO C. C. C.

HOBBS NOMED NOV 20 1961 STANDLEY

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE _____
SERIAL NUMBER NM 015868
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company John L. Harlan Address Box 355, Monahans, Texas

Lessor or Tract Williams Federal Field Undesignated State New Mexico

Well No. 1 Sec. 10 T. 13S R. 31E Meridian NMPM County Chaves

Location 1980 ft. {N.} of S Line and 330 ft. {E.} of E Line of Section 10 Elevation 4436.4
(Derrick 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 J. L. Emanuel

Date November 17, 1961 Title Petroleum Engineer

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

Commenced drilling October 16, 19 61 Finished drilling October 24, 19 61

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3023 to 3036 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 From—	Perforated To—	Purpose
8 5/8"	20#	8 V	LS	298	Texas Pattern				Surface Csg.
5 1/2"	14#	8 RD	LS	3023	Larkin				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	298	150 Sacks	Pump & Plug		
5 1/2"	3023	125 Sacks	Pump & Plug		

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
Fractured with 8,000 Gal Lease Oil with 14,000# 20-40 Mesh Sand. Break down at 2,700#. Treat at 19 bbls/min. Well on vacuum in 10 minutes.						

TOOLS USED

Rotary tools were used from Surface feet to 3040 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 17, 19 61 Put to producing November 17, 19 61

The production for the first 24 hours was 39 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 32

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 _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	28	28	Caliche & Rock
28	831	803	Red Rock, Gravel & Red Beds
831	2196	1365	Salt, Anhydrite & Red Beds
2195	3023	828	Anhydrite, Dolomite & Shale
CORE #1			
3015	3040	25	Recovered 25 Feet
3015	3023	8	Anhydrite & Dolomite
3023	3025	2	Sandy Shale
3025	3030	5	Sand Good Oil Saturation
3030	3038	8	Sand Fair to Poor Show
3038	3040	2	Shaley Sand No Show
			Rotary Total Depth 3040

Top Queen Sand at 3023' from core samples.

AT THE TIME OF COMPLETION THE DRILLER'S LOG [illegible] WHETHER FROM [illegible] OR [illegible]

[OVER]

16—43094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

10-16-61	Spud Date
10-17-61	8 5/8" Surface Casing @ 298' with 150 Sacks.
10-21-61	Core #1 3015-40 Top Queen Sand @ 3023'.
10-22-61	Rotary T. D. 3040. 5 1/2" Casing Set @ 3023' with 125 sacks.
10-23-61	Drilled plug and circulated clean @ 3040'.
11-2-61	Fractured with 8,000 Gal Lease Oil and 14,000# 20-40 Mesh Sand.
11-11-61	Pump 70 bbls Load Oil and no water.
11-17-61	All load oil recovered. Potential test pumped 39 barrels oil and no water.