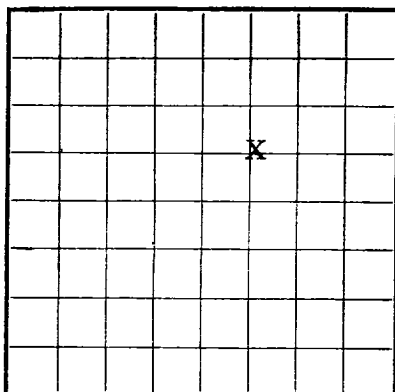




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 04444
LEASE OR PERMIT TO PROSPECTRECEIVED
JAN 7 1960U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company J. R. Abraham Address 224-1st National Bank Bldg
Lessor or Tract _____ Field Horseshoe State New Mexico
Well No. 4 Sec. 14 T. 30N R. 16W Meridian N. M. P. M. County San Juan
Location 1765 ft. N. of N Line and 1980 ft. E. of E Line of Section 14 Elevation 5530
(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. R. AbrahamDate Sept-4-1959 Title _____

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

Commenced drilling July-27, 1959 Finished drilling Aug-17, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3104 to 3126 No. 4, from 3244 to 3250
No. 2, from 3184 to 3216 No. 5, from _____ to _____
No. 3, from 3224 to 3230 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—	
2 1/2	4.7	8, R. D.	J-55	3150					Prod Tby

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8	102	60	Halliburton		
5-1/2	3298	325	"		

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
		See Well History				

TOOLS USED

Rotary tools were used from 102 feet to 3308 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 102 feet, and from _____ feet to _____ feet

DATES

Sept-4, 1959 Put to producing Sept-4, 1959

The production for the first 24 hours was 1142 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Grossman Drilling Co _____, Driller _____, Driller
Gardner Drilling Co _____, Driller _____, Driller

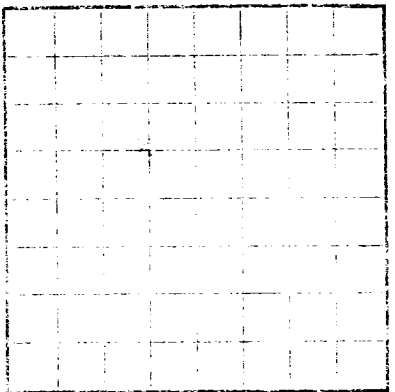
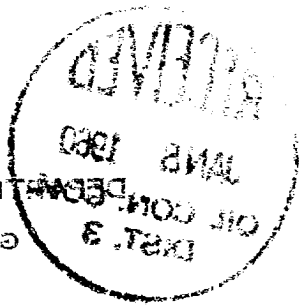
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	400	400	Shale
400	510	110	Water-Sand
510	550	40	Shale
550	1760	1210	Sand-Water
1760	3050	1200	Shale
3050	3102	52	Sand
3102	3126	24	Oil Sand
3126	3152	56	Shale
3152	3214	32	Oil Sand
3214	3222	8	Shale
3222	3228	6	Oil Sand
3228	3243	14	Shale
3243	3248	6	Oil Sand
3248	3308	60	Shale
Top Gallup-	3050		

U.S.I. and Office
General Number
License or Permit to Prospect

RECEIVED
JAN 1 1933

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508

Company
Lessor or Tract
Well No.
Location
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
Title
The summary on this page is for the condition of the well as above data
Commenced drilling
Finished drilling

OIL OR GAS SANDS OR ZONES

No. 1, from
No. 2, from
No. 3, from

flowed 1143 barrels new oil in 24 hours. Then set pump.
the frac. flushed with 10000 gallons oil. 55 b. p. m. Load oil flowed back, then
then went to 2300 lb., set up on pressure and balls fell then went in at 1650 lb. the rest of
that went back 1250, then dropped 186 balls in all then went from 2000 lb. and to 1500 lb.
3224-3230. 3244-3250. frac with 62000 gallons oil 5000 lb sand, broke down at 2950
9-2-1959. C.O.L.D. 3308. Best Gallup with 4 spots to the foot. 3104-3128. 3184-3216.

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 pulling.

HISTORY OF OIL OR GAS WELL

FROM-		TO-		TOTAL FEET		FORMATION	
Casing		Size		Weight		Type	
Plug		Size		Weight		Type	
Shooting Record		Size		Weight		Type	
Plugs and Adapters		Size		Weight		Type	
Mudding and Cementing Record		Size		Weight		Type	
Amount of mud used		Kind of mud		Depth of hole		Depth of hole	
Amount of cement		Kind of cement		Depth of hole		Depth of hole	
Amount of gravel		Kind of gravel		Depth of hole		Depth of hole	
Amount of sand		Kind of sand		Depth of hole		Depth of hole	
Amount of water		Kind of water		Depth of hole		Depth of hole	
Amount of oil		Kind of oil		Depth of hole		Depth of hole	
Amount of gas		Kind of gas		Depth of hole		Depth of hole	
Amount of steam		Kind of steam		Depth of hole		Depth of hole	
Amount of electricity		Kind of electricity		Depth of hole		Depth of hole	
Amount of fuel		Kind of fuel		Depth of hole		Depth of hole	
Amount of labor		Kind of labor		Depth of hole		Depth of hole	
Amount of material		Kind of material		Depth of hole		Depth of hole	
Amount of equipment		Kind of equipment		Depth of hole		Depth of hole	
Amount of tools		Kind of tools		Depth of hole		Depth of hole	
Amount of supplies		Kind of supplies		Depth of hole		Depth of hole	
Amount of other		Kind of other		Depth of hole		Depth of hole	