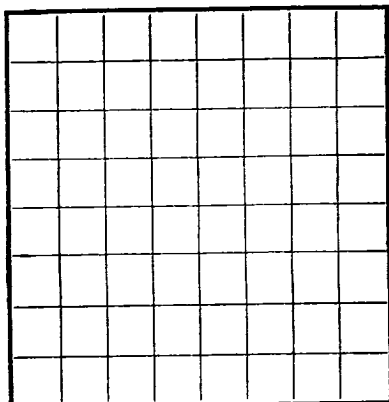


Dist Land Office

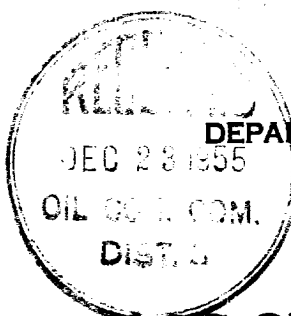
U. S. LAND OFFICE Jicarilla Apache

SERIAL NUMBER Contract #12

LEASE OR PERMIT TO PROSPECT Tract #20



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Mike Abraham Address 918 Sims Building, Albuquerque
Lessor or Tract Jicarilla Apache Field Wildcat State New Mexico
Well No. 3 Sec. 33 T. 24N R. 5W Meridian NMPM County Rio Arriba
Location 1550 ft. [N.] of [S.] Line and 990 ft. [E.] of [W.] Line of Sec. 33 Elevation 5441.79
(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

Mike Abraham

Date

Oct 20 - 55

Title

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

Commenced drilling October 3, 1955 Finished drilling October 8, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2130 to 2268 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—	
3-5/8	40	8	1-55	264	Larkin				
5-1/2	125	8	1-55	2300	Halliburton Packer Shoe				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8	97.4	75	Halliburton		
5-1/2	2300	125	Halliburton Packer Shoe		

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 2300 feet, and from _____ feet to _____ feet

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

DATES

Oct 20 - 55 Put to producing _____, 1955

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 _____, Driller

Driller _____, Driller

H. V. Middleton

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	130	130	Sand
130	344	214	Shale
344	375	31	Sand
375	505	130	Shale
505	525	20	Sand
525	590	65	Shale
590	600	10	Sand
600	670	70	Shale
670	685	15	Sand
685	1850	1165	Sand Shale
1850	1985	135	Shale and Sand
1985	2180	195	Shale
2180	2190	10	Coal
2190	2230	40	Sand P-C
2230	2250	20	Shale
2250	2270	20	Sand P-C
2300	Total depth, set pipe.		

FROM—

TO—

TOTAL FEET

(OVER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Witness my hand and seal of office this 1st day of June 1907.

State Engineer

County Engineer

Lessor or Trust

Company

Address _____

State _____

Field _____

Date _____
 The summary on this page is for the condition of the well as above data.
 Completed by _____
 TYPED BY _____
 19____

Year	From	To	Percentage
1960	From	To	Percentage
1961	From	To	Percentage
1962	From	To	Percentage

Water fractured from 2190 to 2260 with 25,000 gallon water and 15,000 lb sand. Breakdown pressure 1700 lb, treating pressure 1000 lb, injection rate 27 barrels per minute. Well cleaned itself after swabbing 2 hours. Estimated flow 5000 MCF.

QTY	WEIGHT	THICKNESS	GRADE	DESCRIPTION	UNIT
100	100	100	100	100	100

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 balling.

U. S. GOVERNMENT PRINTING OFFICE

[illegible]