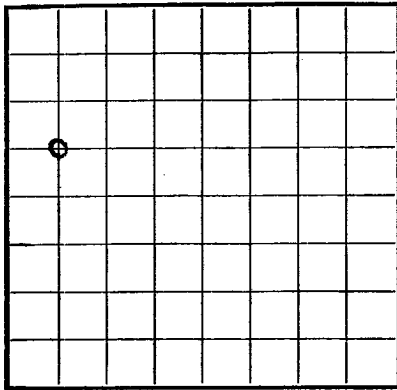


Towson, Colo.
U. S. LAND OFFICE
SERIAL NUMBER 14-20-604-119
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PUBCO PETROLEUM CORP. Address 106 W. Chuaska
Lessor or Tract Mountain Ute Field Verde-Gallup State New Mexico
Well No. 13-5 Sec. 18 T. 31N14E Meridian N.M.P.M. County San Juan
Location 1980 ft. N. of N. Line and 660 ft. E. of W. Line of Section 18 Elevation 5848
(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

Date April 15, 1957Title District Geologist

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

Commenced drilling March 23, 1957 Finished drilling April 4, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2505 to 2610 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—	
9 5/8	32.3	8	Halliburton	96.04	Halliburton	Surface			Surface
5 1/2	25.75	8	Halliburton	11.00	Halliburton	2578			2578
5 1/2	25.75	8	Halliburton	11.00	Halliburton	2610			2610
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
9 5/8	III	30 bag. 20 sacks	Circulated		
		4 calcium chloride			
5 1/2	2578	30 bag. 30 cu ft	2 plug		
		stratocrete, 6% sol			

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
Sand	Oil frac	2505-2510 (open hole)	w/ 34.734 gal	oil, 20,000 pounds		
sand.	Maximum	pressure 1100 ps.	Treating	pressure 1100-900 psi,		
Injection Rate 45.5 BPH.						

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 _____, 1957
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. 40.50

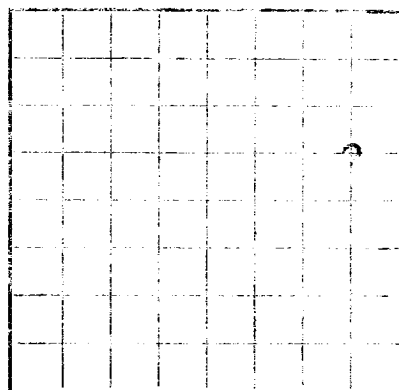
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure lbs. per sq. in. _____

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508
DEPARTMENT OF THE INTERIOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Address _____
Field _____ State _____
Well No. _____ Sec. _____ T. _____ R. _____
Location _____ of _____
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 _____

Date _____
This summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(To be filled in)

IMPERMEABLE WATER SANDS

CASING RECORD

Depth from surface, feet	Depth from bottom of hole, feet	Material	Remarks

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, 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

U. S. GOVERNMENT PRINTING OFFICE
10-48084-2

MUDDING AND CEMENTING RECORD

Depth, feet	What used	Number sacks of cement	Method used	Kind of gravel	Amount of mud used

PLUGS AND ADAPTERS

Depth, feet	Size	Material	Remarks

SHOOTING RECORD

Depth, feet	Shot used	Explosive used	Quantity	Date	Depth cleaned, feet

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

The production for the first 24 hours was _____ barrels of fluid in which _____% was oil.
The production for the first 24 hours was _____ barrels of water and _____% was oil.
If gas well, on the 24 hours _____ barrels of gas were produced.
Gross production per 1000 cu ft of gas was _____ barrels of oil.

NAME DATE