Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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

RECEIVED
AUG 14 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company PUBCO PETROLEUM CORP. Address 106 West Chuska, Aztec, New Mexico

Lessor or Tract Mountain Ute Field Verde-Gallup State New Mexico

Well No. 18-11 Sec. 18 T. 31N R. 14W Meridian N.M.P.M. County San Juan

Location 1980 ft. [N.] of S Line and 1650 ft. [E.] of W Line of Section 18 Elevation 5791 (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 James E. Hillman

Date August 12, 1957 Title Dist. Geol.

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

Commenced drilling July 10, 19 57 Finished drilling July 21, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2539 to 2670 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	28	8	CF&I	95.1	none				Surface
5½	14	8	CF&I	2573.4	Baker		2539	2559	Production
2 3/8				2616.0					Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	107	80 sax reg.20 sax CaCl	Circulated		
5½	2568	30 sax reg.30 cu.ft. stratacrete,6% gel.	2 plugs		
2 3/8	2657				

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 below					

TOOLS USED

Rotary tools were used from Surface feet to 2568 feet, and from feet to feet

Cable tools were used from 2568 feet to 2570 feet, and from feet to feet

DATES

August 12, 19 57 Put to producing August 10, 19 57

The production for the first 24 hours was see below barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 41.5°

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

H. R. Mullins, Driller Lee Barbee, Driller

A. Y. Old, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1349	1349	MesaVerde
1349	2539	1190	Mancos
2539	2670	131	Gallup

Sand oil frac 2568-2670 (open hole) w/29,170 gallons oil and 20,000 pounds sand (20-40 mesh); no breakdown; TP 700 psi, IR 41.7 BPM.

Set Baker magnesium bridge plug at 2564; sand-oil frac 2539-2559 (through perforations, 80 Schlumberger bullets) with 28,530 gallons oil and 20,000 pounds sand (20-40-mesh); BD 1450 psi, TP 900 psi, IR 39 BPM.

Swabbed upper zone and drilled bridge plug.

IP: 110.88 BOPD based on last 4 hours average swab rate of 4.12 bbl/hr. of a 12-hour swab test during which 82 barrels were recovered(free oil); 91.87 BOPD on pump; 72% pump capacity.

FOLD | MARK

16—43094-4

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.