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

Form 9-330

U. S. LAND OFFICE Ute Mountain Tribal
SERIAL NUMBER 14-20-603-121
LEASE OR PERMIT TO PROSPECT

RECEIVED
MAY 26 1960
OIL CON. COM.
DIST. 3

RECEIVED
MAY 25 1960
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The American Petroleum Corporation Address P. O. Box 871, Farmington, New Mexico
Lessor or Tract Ute Mountain Tribal F Field Verde Gallup State New Mexico
Well No. 4 Sec. 26 T. 31N R. 14W Meridian N.M.P.M. County San Juan
Location 1720 ft. {N.} of S Line and 570 ft. {E.} of W Line of Section 26 Elevation 5520
(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 R. M. Baue, Jr.

Date May 24, 1960 Title Area Engineer

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

Commenced drilling April 7, 19 60 Finished drilling April 27, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4335 to 4410 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"	22.7	Slip Joint Thread		202	Guide				Surface
5-1/2"	14	8 Rd	J-55	4329	Guide				Well String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	202'	150 sacks of cement	Halliburton 1 Stage		
5-1/2"	4329'	410 sacks of cement	Halliburton 2 Stage		
Tubing	4" slotted liner	2564-4343			

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 feet, and from feet to feet
Cable tools were used from 0 feet to 4310 feet, and from feet to feet

DATES

Completed as pumping oil well Verde Gallup 19 Put to producing Date first new oil produced , 19
Field 26, 1960 Potential test pumped
31 The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. 31 Gravity, °Bé. 42.8

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
Cotton Hogan, Driller J. W. Coleman, Driller
Jackie White C. M. Isaac

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1825	1825	Surface sands and shales including the Lewis shale
1825	1982	157	Cliffhouse sands and shales
1982	2690	708	Menefee sands and shales
2690	3090	400	Point Lookout sands and shales
3090	4115	1025	Mancos shale
4115	4370	255	Verde Gallup sands and shales
4370	4434	64	Verde Gallup Pay sands and shales

(OVER)

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

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

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.

Spudded 12-1/4" hole on April 7, 1960 and drilled to 214'. Set 8-5/8" casing at 214' with 165 sacks cement containing 2% calcium chloride. Circulated cement. After waiting on cement tested 8-5/8" casing with 600 psi for 30 minutes which held with no indication of pressure drop. Reduced hole to 7-7/8" at 214' and resumed drilling operations.

Total depth 4310' 5-1/2" casing was set at 4310' with stage tool at 4016'. Cemented first stage with 60 sacks 65 sel cement with 2 pounds tuf plug per sack. Received good circulation throughout. Tested casing with 3000 psi for 30 minutes which held with no indication of pressure drop. Cemented second stage with 350 sacks 65 sel cement with 1-1/2 pound tuf plug per sack. Received good circulation throughout. Tested casing with 3000 psi for 30 minutes which held with no indication of pressure drop. Top of cement 1825 by survey.

OIL OR GAS ZONES

Reduced hole to 4-3/4" at 4310' and drilled to 4434'. Ran 4" liner on 2" tubing and perforated 4346' - 4434' with eight 3/8" drilled holes per foot 4359' - 4434'. Packed off tubing from packer [illegible] and oil [illegible] with 35,000 gallons oil containing [illegible] gallons Dowell J-77 with 20,000 pounds sand in last 25,000 gallons oil. No breakdown pressure. Pumped in at 1400 psi. Average treating pressure 1450 psi. Average injection rate 50 barrels per minute. Landed 2" tubing at 4405'. Ran rods and pump.

Completed as pumping oil well [illegible] field May 22, 1960. Potential test May 22, 1960, pumped 31 barrels oil per day with 14-26" strokes per minute with 1-1/2" pump. Gravity 40.4° API.

FOR OIL OR GAS MELT

DEPARTMENT OF NATURAL RESOURCES
OIL & GAS DIVISION
MAY 23 1960
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