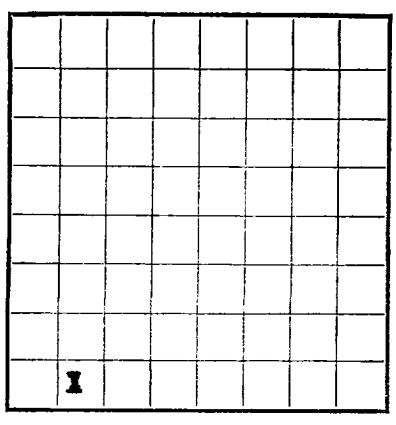
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. Land Office New Mexico
Serial Number 042835
Lease or Permit to Prospect




LOCATE WELL CORRECTLY

RECEIVED JUN 6 1958 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract USA John S. Dashke Field Undesignated Gallup State New Mexico
Well No. 1 Sec. 15 T. 24N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 530 ft. {N.} of S Line and 790 ft. {E.} of W Line of Section 15 Elevation 7090
(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 June 11, 1958 Title Field Superintendent

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

Commenced drilling April 5, 19 58 Finished drilling April 30, 19 58

## OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5996 to 5966 No. 4, from to
No. 2, from 5977 to 5972 No. 5, from to
No. 3, from 6005 to 6015 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 |
|---|---|---|---|---|---|---|---|---|---|
| 9-5/8" | 32.3 | 8RT | National | 406 | Guide | | | | Surface |
| 5-1/2" | 14 | 8RT | National | 6144 | Guide | | | | Oil String |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 9-5/8" | 413 | 250 sacks | B. J. Service No. 2 Plug | | |
| 5-1/2" | 6139 | 240 sacks | Halliburton No. 2 Plug | | |

## 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 0 feet to 6139 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

Completed as pumping oil well, Undesignated Gallup Field June 9, 1958, 19 Put to producing June 6, 19 58

The production for the first 24 hours was 20 barrels of fluid of which 99.8% was oil; % emulsion; % water; and .2% sediment. Gravity, °Bé. 40.8

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

Pumping oil, sold 14-44" strokes per minute. Gas Oil Ratio 3900

Rock pressure, lbs. per sq. in.

## EMPLOYEES

K. G. Irwin, Driller G. R. Rayo, Driller
Earl Morgan, Driller T. L. Ashbrook, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 413 | 413 | Surface sands & shales. |
| 413 | 2400 | 1987 | Kirtland-Fruitland sands, shales & coals. |
| 2400 | 2495 | 95 | Pictured Cliffs sand. |
| 3940 | 3977 | 37 | Lewis shale. |
| 3977 | 4690 | 713 | Menefee sands, shales & coals. |
| 4690 | 4918 | 228 | Point Lookout sand. |
| 4918 | 5362 | 444 | Mancos shale. |
| 5362 | 6139 | 777 | Gallup sand. |

[OVER]

16—43094-8

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |

LOCATE WELL CORRECTLY

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# LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

LEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
L. S. LAND OFFICE

Company ____ Address ____
Lessor or Tract ____ Field ____ State ____
Well No. ____ Sec. ____ T. ____ R. ____ Meridian ____ County ____
Location ____ ft. of ____ Line and ____ ft. of ____ Line of ____ Elevation ____

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 ____ Title ____

Completed as pumping oil well, Undesignated Gallup Field, June 9, 1958.

## 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.

Sta John S. Dashke No. 1 was spudded on April 5, 1958, and on April 6, 1958, 9-5/8" casing was landed at 413' with 250 sacks of cement. After waiting on cement for 24 hours, casing and water shut-off were tested with 900 pounds pressure for thirty minutes, which held with no drop in pressure.

On April 25, 1958, 5-1/2" casing was set at 6139' with 165 sacks 4% gel cement followed by 75 sacks neat cement. Tested casing with 300 pounds for thirty minutes which held with no drop in pressure.

Perforated Gallup zone with four shots per foot 5936-5966. Sand-oil fracked with 9252 gallons oil and 4000 pounds sand. Formation broke at 2800 pounds. Average breaking pressure 2000 pounds. Average injection rate 23 barrels per minute. Spotted 500 gallons 15% MCA on bottom. Re-perforated with four shots per foot 5936-5966 and perforated four shots per foot 5992-6002, 6005-6015. Sand-oil fracked with 50,000 gallons oil and 50,000 pounds sand. Formation broke at 2700 pounds. Average treating pressure 2450 pounds, average injection rate 30 barrels per minute. Injected 200 ball sealers in four stages during treatment.

FORM 9-330

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

Bureau Budget No. 42-R-355.3
Approval expires 12-31-55

DIST. 3
OIL CONS. COM.
JUN 9 1958