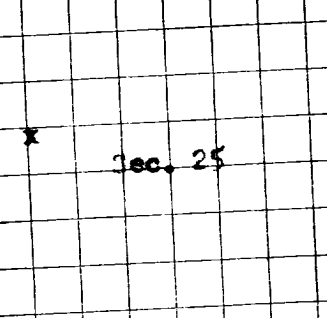


U. S. LAND OFFICE
SERIAL NUMBER 14-20-603-2172
LEASE OR PERMIT TO PROSPECT 21-0973



x sec. 25

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company Purple Oil Refining Company Address Box 3662, Durango, Colorado
Lessor or Tract Having Title of Ind. "LI" Field Cha Cha Gallup State New Mexico
Well No. 14 Sec. 25 T. 29N R. 11W Meridian NPM County San Juan
Location 2070 ft. of N Line and 650 ft. of W Line of Section 25 Elevation 5621
(Detrick floor relative to sea level)

I hereby certify that the above is a true and correct record of the well and all work done thereon

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 **COPY (ORIGINAL SIGNED) B. M. BRADLEY**

Date July 24, 1961

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

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Commenced drilling June 4, 1961 Finished drilling June 18, 1961.

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

(Denote gas by G.)

No. 1, from 5251'	to 5271'	No. 4, from	to
No. 2, from 5290'	to 5305'	No. 5, from	to
No. 3, from	to	No. 6, from	to

WATER SANDS

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	232'	130	Halliburton		
1-1/2"	5380'	150	Halliburton		

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from Surface feet to 5387 feet, and from - feet to - feet

Cable tools were used from one feet to - feet, and from - feet to - feet

DATES

DATES

DATE

July 24, 1961

The production for the first 24 hours was 23 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment.

If gas well, cu. ft. per 24 hours

Rock pressure, lbs. per sq. in.

Put to producing June 25, 1961

Gravity, °Bé. 41.8

Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

EMPLOYEES

Rock pressure, lbs. per sq. ft. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	1192	1192	Animas
1192	2127	935	Pictured Cliffs
2127	3979	1852	Chaco
3979	4900	921	Mancos
4900	5228	328	Gallup
5228	5254	26	Upper Horseshoe
5254	5276	20	Lower Horseshoe
5276	5332	56	Cha Cha
5332	5373	41	Tocito
5373	5387	14	Sanastee

DATE: 11/10/2017

Perforate 4-1/2" production casing 5519-25, Cha Zone. Broke down formation
sals oil plus 240 gals mud filtrate + 320 gals KSA and 1000 gal wet sand plus 11, 7 1/2
min. 18) 30. Kill well; pump tubing. Rec. all loss oil, well started flowing. Flow 24 hrs.
30,000 gals cond., 30,000# 20-40 vit-wet sand; 600 gals mud filtrate + 1000 gal wet sand
In 250 gals KSA ahead of Tracy max press 3000#. In 2600#. Swap tubing 7 hrs.
Well started flowing. Rec. 96 gals loss oil 11 1/2 hrs max oil on 16 hr test. Well
rod from part 2617-74, Lower Horseshoe # 3519-25 Cha Zone.
Well completed as flowing oil well at rate of 200 to and 0 hr per day on 10 hour test.
Well completed 4-7-61.

Cut 60' Rec. 60'. 12' shale w/thin sand stringers;
l' san, shaly bleeding oil; 22' shale w/thin sand stringers;
sand, w/shale at zone; 13' shale, silty, black.
Cut 50' rec. 50'. 35' shale, black, silty, l' sand,
shaly (Cha Cha); 17' shale, silty, black.

No Drill Stem Tests made.

Cone No. 1 - 5225-85.
Cone No. 2 - 5285-5335.

5387.

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

[illegible]