WATER WELL

Form 9-330

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

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT 11-20-600-3531

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Company Address P. O. Box 520, Casper, Wyoming

Lessor or Tract Navajo Ute Mountain Tribal Field Horseshoe Gallup State New Mexico

Well No. 1-M Sec. 19 T. 31 N. R. 16W Meridian N.M.P.M. County San Juan

Location 1375 ft. {N.} of S Line and 1815 ft. {W.} of E Line of Section 19 Elevation 5529 G.L.
(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 A. R. Klepinger

Date March 23, 1960 Title Regional Drilling Manager

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

Commenced drilling February 15, 1960 Finished drilling March 10, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1302 to 1422 No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

RECEIVED
MAR 29 1960
OIL CON. COM.
DIST. 3

IMPORTANT WATER SANDS

No. 1, from 1942 to 2106 No. 3, from ____ to ____

No. 2, from 2106 to 2810 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
13-3/8	48	8		108.85					
8-5/8	24	8		2798.21					

If a oil or gas well, give exact location in two directions from nearest lines of quarter section and drilling unit.

If there was any plugging or shooting of the casing, state character and extent thereof.

If any of the casing was pulled, state length, and reason why.

If drilling is or has been discontinued for any reason for more than 30 days, state reason.

If there was a change of ownership of this well, state name or names of previous owner or owners, and date of such change.

If a directional well, give distance and direction from the nearest point on the lease boundary.

If there was any deviation from the original drilling plan, explain.

If gas well, show initial rock pressure, amount of water and gravity of oil.

If there was a core analysis made, state character of same and depths where cores were taken.

If there was a production test made, state method used, such as flowing, pumping, or shooting, and the results thereof.

If there was a drill-stem test made, state character of same and depths between which tool was open.

If there was a log run, state character of same and depths between which run was made.

Perforated 2711-2752', 2592-2632', 2530-2570', 2396-2522', 2161-2170', 2121-2152', 2388-2414', 2330-2362', 2220-2230' Schlumberger, and 2658-2696' Schlumberger.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	108.85	130	Pump & Plug		
8-5/8	2798.21	425	Pump & 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 TD feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

March 10, 1960 Put to producing 3-12-60, 19____

The production for the first 24 hours was 170 barrels of fluid of which ____% was oil; ____% emulsion; 100 % water; and ____% sediment.

Gravity, °Bé. ____

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

Banner Drilling Company, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1268	1268	Mancos - Shale
1268	1302	34	Gallup - Sandstone and shale
1302	1422	120	Upper Gallup - Sandstone
1422	1942	520	Lower Gallup - Sandstone
1942	2106	164	Dakota - Sandstone and shale
2106	2810 TD	704	Morrison - Sandstone and shale

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