

Santa Fe

SERIAL NUMBER

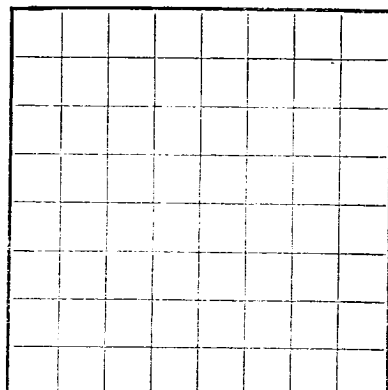
LEASE OR PERMIT TO PROSPECT

OIL COAL COAL
DIS

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL.

LOCATE WELL CORRECTLY

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
 Lessor or Tract Tribal (Navajo) Field Horseshoe Gallup State New Mexico
 Well No. 41 Sec. 30 T. 30N R. 16W Meridian NMPM County San Juan
 Location 727 ft. N of N Line and 702 ft. W of E Line of Sec. 30 Elevation 5524.0 GL

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 **6-8-59**

Title

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

Commenced drilling 5-13, 1959 Finished drilling 5-30, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>1265</u> to <u>1292</u>	No. 4, from _____ to _____
No. 2, from <u>1300</u> to <u>1306</u>	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		Purpose
							From—	To—	
1 1/2	1.5	12	1	1.5	1	1.5	1.5	1.5	Surface
1 1/2	1.5	12	1	1.5	1	1.5	1.5	1.5	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8	85.75	115	Pump - Plug	8.8	
4-1/2	146.75	150	Pump - Plug	8.8	

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 1156 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

! DATES

The production for the first 24 hours was 118.42 barrels of fluid of which 6.6 % was oil; 59 % emulsion; 100 % water; and 41.0 % sediment. **Pump Test** Gravity, °Bé. 41.0
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

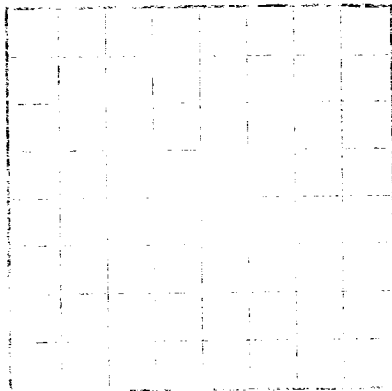
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 1232 1404	1232 1404		Mancoes Gallup Gusma Lopes
First Fracture Treatment: Treated perforations 1388-1396 w/40,000# 10/20 sand and 9280 gals. lease crude. Ave. trtg. press. 1500# at 24.8 BPM. Second Fracture Treatments: Treated perforations 1265-1292 w/40,000# 10/20 sand and 19,614 gals. lease crude. Ave. trtg. press. 1500# at 25.1 BPM.			

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OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

CASING RECORD

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 "struck" 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

FROM—	TO—	TOTAL FEET	FORMATION
FORMATION RECORD			
EMERGENCY			
DATE			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND ADAPTERS			
FLOODING AND CEMENTING RECORD			