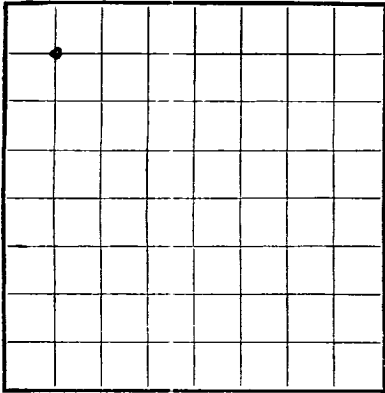
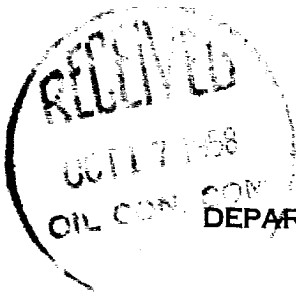




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PROSPECT NO. 11-20-805-732

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REC-11111
OCT 17 1958
T.W. HARRIS

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming
Lessor or Tract Tribal (Navajo) Field Horseshoe-Gallup State New Mexico
Well No. 4 Sec. 32 T. 31 R. 16 Meridian NMP County San Juan
Location 660 ft. N of N Line and 660 ft. E of W Line of Section 32 Elevation 5116
(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 10-11-58 Title Dist. Supt.

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

Commenced drilling 9-30-58, 19____ Finished drilling 10-4-58, 19____

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

No. 1, from 1139 to 1183 No. 4, from _____ to _____
No. 2, from 1243 to 1290 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 -	
<u>8 5/8</u>	<u>24</u>	<u>8rd.</u>	<u>Big Well</u>	<u>100'</u>	<u>Larkin</u>				<u>Surface</u>
<u>5 1/2</u>	<u>14</u>	<u>8rd.</u>	<u>National</u>	<u>1338.5'</u>	<u>Ball</u>		<u>1160</u>	<u>1180</u>	<u>Oil string</u>
						<u>4 1/2 in.</u>	<u>1256</u>	<u>1282</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>141'</u>	<u>125</u>	<u>pump-plug</u>	<u>8.9</u>	
<u>5 1/2</u>	<u>1316'</u>	<u>135</u>	<u>pump-plug</u>	<u>8.9</u>	

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 1350 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 10-11-58, 19____ Put to producing _____ 10-13-58, 19____

The production of _____ after fracture treatment which _____% was oil; _____% emulsion; _____% water; and _____% sediment. 138.37 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

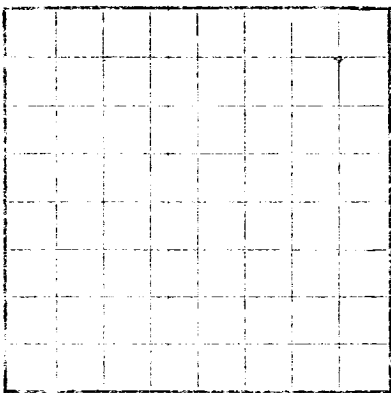
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1108</u>		<u>Mancos</u>
<u>1108</u>	<u>1290</u>		<u>Tocito</u>

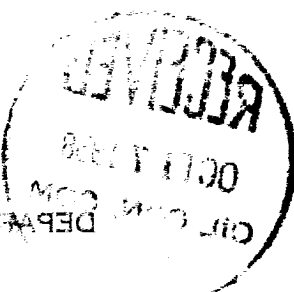
First fracture treatment
Treated perforations 1256-1282 with 10,000 gals lease crude plus 10,000# 10/20 sand. Average treating pressure 700%. Average injection rate 41 BPM.

Second fracture treatment
Treated perforations 1110-1180 with 10,000 gals of lease crude and 10,000# 10/20 sand. Average treating pressure 800%. Average injection rate 32 BPM.

FOLD MARK



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company name, address, and telephone number.
Person or firm making log.
Well No.
Location.
The information on this page is for the use of the well owner and is not to be used for any other purpose.
Signed _____

Date.
The summary on this page is for the use of the well owner and is not to be used for any other purpose.
Commenced drilling _____

CIL OR GAS RANGES OR FORMS

No. 1 from _____
No. 2 from _____
No. 3 from _____

WATER TESTS

No. 1 from _____
No. 2 from _____

CASING RECORD

Size of casing, length, weight, and other data.
Date of installation.

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 hauling.

HISTORY OF OIL OR GAS WELL

DATE		DESCRIPTION OF WORK	REMARKS
1938		Drilling commenced	
1939		Drilling continued	
1940		Drilling continued	
1941		Drilling continued	
1942		Drilling continued	
1943		Drilling continued	
1944		Drilling continued	
1945		Drilling continued	
1946		Drilling continued	
1947		Drilling continued	
1948		Drilling continued	
1949		Drilling continued	
1950		Drilling continued	
1951		Drilling continued	
1952		Drilling continued	
1953		Drilling continued	
1954		Drilling continued	
1955		Drilling continued	
1956		Drilling continued	
1957		Drilling continued	
1958		Drilling continued	
1959		Drilling continued	
1960		Drilling continued	
1961		Drilling continued	
1962		Drilling continued	
1963		Drilling continued	
1964		Drilling continued	
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1967		Drilling continued	
1968		Drilling continued	
1969		Drilling continued	
1970		Drilling continued	
1971		Drilling continued	
1972		Drilling continued	
1973		Drilling continued	
1974		Drilling continued	
1975		Drilling continued	
1976		Drilling continued	
1977		Drilling continued	
1978		Drilling continued	
1979		Drilling continued	
1980		Drilling continued	
1981		Drilling continued	
1982		Drilling continued	
1983		Drilling continued	
1984		Drilling continued	
1985		Drilling continued	
1986		Drilling continued	
1987		Drilling continued	
1988		Drilling continued	
1989		Drilling continued	
1990		Drilling continued	
1991		Drilling continued	
1992		Drilling continued	
1993		Drilling continued	
1994		Drilling continued	
1995		Drilling continued	
1996		Drilling continued	
1997		Drilling continued	
1998		Drilling continued	
1999		Drilling continued	
2000		Drilling continued	

NAME