

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
RECEIVED FEB 8 1960

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Horseshoe Ute Field Horseshoe Gallup State New Mexico
Well No. 31 Sec. 27 T. 31N R. 16W Meridian NMPM County San Juan
Location 1820 ft. N of N Line and 720 ft. E of W Line of Section 27 Elevation 5585'
(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.

ORIGINAL SIGNED BY: JOSEPH E. KREGER

Date January 29, 1960 Title Petroleum Engineer

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

Commenced drilling January 3, 1960 Finished drilling January 7, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1484' to 1508' No. 4, from _____ to _____
No. 2, from _____ to _____ 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>9-5/8"</u>	<u>24.000</u>	<u>8</u>	<u>AMERICAN</u>	<u>125</u>	<u>PIPE</u>	<u>1263</u>	<u>1508</u>	<u>1508</u>	<u>Production</u>
<u>5-1/2"</u>	<u>15.000</u>	<u>8</u>	<u>AMERICAN</u>	<u>100</u>	<u>PIPE</u>	<u>0</u>	<u>1263</u>	<u>1263</u>	<u>Casing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8"</u>	<u>113</u>	<u>125</u>	<u>Circulated</u>		
<u>5-1/2"</u>	<u>1583</u>	<u>100</u>	<u>Pump & Plug</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
<u>See "Well History"</u>						

TOOLS USED

Rotary tools were used from 0 feet to 1590 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 10, 1960 Put to producing January 20, 1960
The production for the first 24 hours was 14 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé 100
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

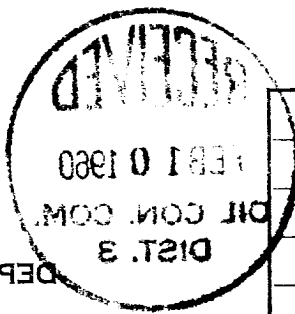
EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1263</u>	<u>1263</u>	<u>Mancos Form. Gray, Carb. shale.</u>
<u>1263</u>	<u>1590</u>	<u>327</u>	<u>Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. imbd. shale.</u>

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.



Grid for well location: 10 columns, 10 rows.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY

GEOLOGICAL SURVEY FEB 2 1960

DEPARTMENT OF THE INTERIOR
UNITED STATES

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

Company: ...
Lessor or Tract: ...
Well No.: ...
Location: ...
The information given hereon is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Date: ...
The summary on this page is for the condition of the well at above date.
Commenced drilling: ...
Finished drilling: ...

OIL OR GAS SANDS OR ZONES

Table with columns: No. 1, No. 2, No. 3, No. 4, No. 5, No. 6. Includes data for 'No. 1 from 148' to 'No. 6 from 100'.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates, locations, and results of all tests, completions, and other operations. If there were any changes made in the casing, state fully, and if any casing was added, or left in the well, state its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pumps or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Table with columns: Casing size, Weight per foot, Number sacks of cement, Method used, Mud gravity, Amount of mud used.

TOOLS AND ADAPTERS

Table with columns: Adapter-Material, Heating pipe-Material, Length, Depth set.

SHOOTING RECORD

Table with columns: Shell used, Explosive used, Quantity, Date, Depth shot, Depth cleaned out.

TOOLS USED

Table with columns: Rotary tools used from, Cable tools used from, feet and from, feet to.

DATES

Put to producing: ...
The production for the first 24 hours was ...
It gas well, cu. ft. per 24 hours ...
Rock pressure, lbs. per sq. in. ...

EMPLOYEES

Table with columns: Driller, Driller.

FORMATION RECORD

Table with columns: FROM, TO, TOTAL FEET, FORMATION. Includes data for 'FROM 0 TO 1362' and 'FROM 1362 TO 1590'.