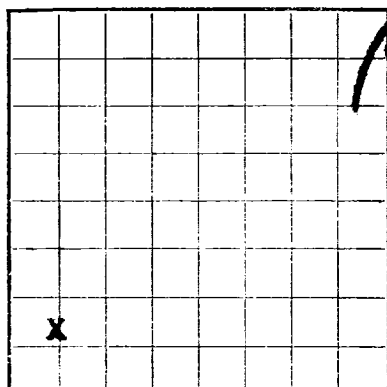
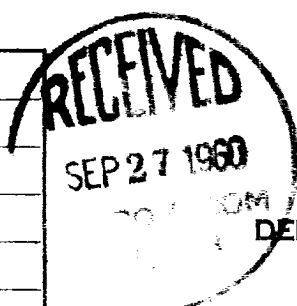


U. S. LAND OFFICE **SF**
SERIAL NUMBER **080212**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Products Co.** Address **Box 1540, Farmington, New Mexico**
Lessor or Tract **Malco Cattle** Field **Verde-Gallup** State **New Mexico**
Well No. **9** Sec. **5** T. **30N** R. **15W** Meridian **N.M.P.M.** County **San Juan**
Location **760** ft. **[N.]** of **S** Line and **660** ft. **[E.]** of **W** Line of **Section 5** Elevation **5337'**
(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: JOHN J. STROJEK

Date **September 22, 1960** Signed _____ Title **Petroleum Engineer**

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

Commenced drilling **June 20**, 19 **60** Finished drilling **August 10**, 19 **60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3447'** to **3576'** 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	Pierced		Purpose
							From—	To—	
9-5/8"	34.000	4-1/2"	J-55	183'	Tool Joint	0	0	0	Steel Casing
5-1/2"	18.000	4-1/2"	J-55	1440'	Tool Joint	0	0	0	Steel Casing
4-1/2"	16.000	4-1/2"	J-55	181'	Tool Joint	0	0	0	Steel Casing
									Pre-Drilled Liner

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	131'	150	Circulated		
5-1/2"	3447'	1st stage - 150 2nd stage - 100	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
			See "Well History"			

TOOLS USED

Rotary tools were used from _____ feet to **3450** feet, and from _____ feet to _____ feet
Cable tools were used from **3450** feet to **3576** feet, and from _____ feet to _____ feet

DATES

_____ August 12, 19 **60** Put to producing _____ August 26, 19 **60**

The production for the first 24 hours was **60** barrels of fluid of which **100%** was oil; **0%** emulsion; **0%** water; and **0%** sediment. Gravity, **API 40.8°**

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	1840	1840	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
1840	2130	290	Point Lookout: Gy., v/fa. silty ss. w/freq. shale breaks.
2130	3182	1052	Mancos: Gy. carb. shale.
3182	3473	291	Upper Gallup: Shale, gy.-blk., calc. w/aragonite inclusion.
3473	3576	103	Lower Gallup: Lt. gy. to brn. calc. carb. micac. glauconitic. Very fn. to med. gr. ss. w/irreg. ind. shale.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
LENGTH	TO	TOTAL FEET	FORMATION

FORMATION RECORD—CONTINUED

