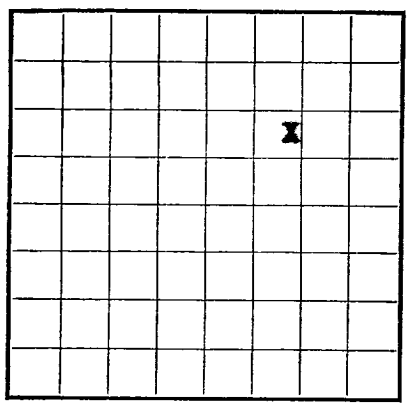
Form 9-330



LOCATE WELL CORRECTLY

RECEIVED AUG 11 1961 OIL CON. COM. DIST. 3

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078051
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED AUG 10 1961 U.S. GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract [illegible] Field [illegible] State [illegible]
Well No. [illegible] Sec. [illegible] T. 31 R. 11 Meridian N.M.P.M. County San Juan
Location 1650 ft. [illegible] of [illegible] Line and [illegible] ft. [illegible] of [illegible] Line of [illegible] Elevation 6138 (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 Original Signed R. G. MILLER
Date August 8, 1961 Title Petroleum Engineer

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

Commenced drilling [illegible] 19[illegible], 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from [illegible] to [illegible] (G) No. 4, from [illegible] to [illegible]
No. 2, from 7254 to 7285 (G) No. 5, from [illegible] to [illegible]
No. 3, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

No. 1, from [illegible] to [illegible] No. 3, from [illegible] to [illegible]
No. 2, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7 5/8"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Intermediate
5 1/2"	17	8 rd	[illegible]	7301	[illegible]				Prod
2 3/8"	4.7	8 rd	J-55	7253	none				tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	210	200	circulated		
7 5/8"	2826	100	single stage		
5 1/2"	7402	250	single stage		
2 3/8"	7273				

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 0 feet to 2835 feet, and from 2835 Gas feet to 7497 feet
Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

..... 19..... Put to producing ..... 19.....

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours 2683 MCF Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 1865

EMPLOYEES

..... Driller ..... Driller
..... Driller ..... Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2700	2700	Sand & shale & coal.
2700	2830	130	Pictured Cliffs formn. Gry, fine-grn, tight varicolored soft ss.
2830	4364	1534	Lewis form. Gry, fine-grn, dense sil ss.
4364	4497	133	Mesa Verde form. Gry, fine-grn, dense sil ss, carb sh & coal.
4497	4582	85	Cliff House ss. Gry, fine-grn, dense sil ss.
4582	5050	468	Menefee form. Gry, fine-grn s, carb sh & coal.
5050	5153	103	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5153	6160	1007	Mancos form. Gry carb sh.
6160	6620	460	Gallup form. Lt gry to brn calc carb micac glauc very fine gry ss w/irreg interbed sh.
6620	7059	439	Lower Mancos form. Gry carb sh.
7059	7109	50	Greenhorn form. Highly calc gry sh w/thin lmst.
7109	7249	140	Graneros form. Dk gry sh, fossil & carb w/prite
7249	7469	220	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & sh breaks.
7469	7497	28	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sand.

FORMATION RECORD—Continued

16—43094-5

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]
0	[illegible]	[illegible]	Pleasant Grove Zone: Gas, fine-grain, light gray sandstone and shale.
[illegible]	[illegible]	[illegible]	Pearl Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Mesa Verde Zone: Gas, fine-grain, dense gray sandstone and shale.
[illegible]	[illegible]	[illegible]	Gallup Zone: Gas, fine-grain, dense gray sandstone and shale.
[illegible]	[illegible]	[illegible]	Mancos Zone: Gas, fine-grain, dense gray sandstone and shale.
[illegible]	[illegible]	[illegible]	Point Lookout Zone: Gas, very fine grain gray sandstone.
[illegible]	[illegible]	[illegible]	Mancos Zone: Gas, very fine grain gray sandstone.
[illegible]	[illegible]	[illegible]	Dakota Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Morrison Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Entrada Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Navajo Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Chinle Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Shinarump Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Moenkopi Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Cutler Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Hermosa Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Paradox Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Molas Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Leadville Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Ouray Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Elbert Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	McCracken Zone: Gas, fine-grain, dense gray sandstone.
[illegible]	[illegible]	[illegible]	Ignacio Zone: Gas, fine-grain, dense