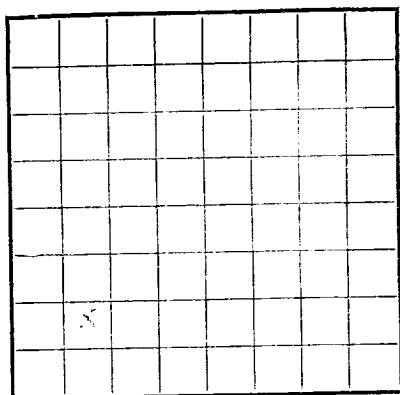




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 073509
LEASE OR PERMIT TO PROSPECT 14-08-001-569

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 32-9 Unit Field Elanco State New Mexico
Well No. 23 Sec. 5 T. 31N R. 9W Meridian N. M. P. M. County San Juan
Location 990 ft. N. of 5 Line and 990 ft. E. of W Line of Section 5 Elevation 6660
(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 Scull U. WalshDate July 12, 1954Title Petroleum Engineer

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

Commenced drilling May 6, 1954 Finished drilling May 30, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2375 to 3578 (G) No. 4, from 5743 to 5906 (G)
No. 2, from 3365 to 5430 (G) No. 5, from 5743 to 5906 (G)
No. 3, from 5430 to 5748 (G) No. 6, from 5743 to 5906 (G)

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—	
9-5/8	25.4	5 W.	Armco	155	Armco				Surface
7	23	8 RD	Armco	2019	Baker				Prod. Csg.
7	20	8 RD	Armco	3306	Baker				Prod. Csg.
2	4.7	8 RD	Youngs	5877					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	165	125	Circulated		
7	5335	500	Single stage		

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
	Sant-Oil.	See Well History.				

TOOLS USED

Gas Drilling

Rotary tools were used from 0 feet to 5335 feet, and from 5335 feet to 5906 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ May 31, 1954 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 4,474,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1056

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	694	694	Tan cr-grn ss w/thin sh breaks.
694	1890	1196	Varieg sh w/thin ss breaks.
1890	2720	830	Tan to gry cr-grn ss interbedded w/gry sh.
2720	2788	68	Ojo Alamo ss. Wh cr-grn ss. T/Ojo Alamo 2720
2788	3169	381	Kirtland fm. Gry sh interbedded w/tightgry fine-grn ss. T/Kirtland 2788.
3169	3495	326	Fruitland fm. Gry carb sh, scattered coals & gry, tight, fine-grn ss. T/Fruitland 3169.
3495	3578	83	Pictured Cliffs fm. Gry, fine-grn, tight, vari-colored soft ss. T/Pictured Cliffs 3495.
3578	5365	1787	Lewis fm. Gry to wh dense sh w/silty to shaly ss breaks. T/Lewis 3578.
5365	5430	65	Cliff House ss. Gry, fine-grn, dense sil. ss. T/Cliff House 5365.
5430	5748	318	Menefee fm. Gry, fine-grn s, carb sh & coal. T/Menefee 5430.
5748	5906	158	Point Lookout fm. Gry, very fine sil ss w/frequent sh breaks. T/Point Lookout 5748.

[illegible]

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE.

5-28-54 T. D. 5470. Interval treated 5335-5470. Set Baker retainer @ 5290 and treated Cliff House formation w/ 18 1/2 gal. #2 diesel oil and 7,200# sand. Breakdown pressure 500#, maximum pressure 1100#. Injection rate 10 barrels per minute. Flushed w/ 4,000 gal. oil. Natural gage 1,130 MCF. Gage 13 hrs. after sand-oil 3,500 MCF (est.).

5-30-54 T.D. 5736. Interval treated 5735-5900. Set Baker retainer 5735 and treated Point Lookout formation w/14,500 gal. #2 diesel oil and 12,500# sand. Breakdown pressure 1300#, injection rate 302 gallons per minute. Flushed w/2,520 gal. oil. Natural gas 2,520 MCF. Gage after treatment 3,500 MGF (test).

Continued filling to ----- Entered on file ----- to -----
 Approved on the basis of the condition of the property as shown
 Date -----

Signature: _____

[illegible][illegible]

GEORGEIANT SPLEEN

DEPARTMENT OF THE INTERIOR

UNITED STATES

REPORT ON FINANCIAL TO MONROVIA

ADMIT 7 OCTBER

CONFIDENTIAL OFFICE --

7. Визначити еквівалентні маси: $15-31-25$
Визначити ВПЕВАН $10' 45-18322'8$

FORM 8-420