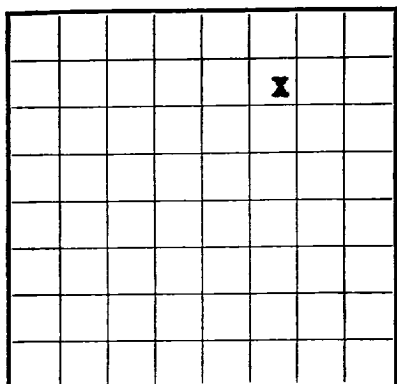
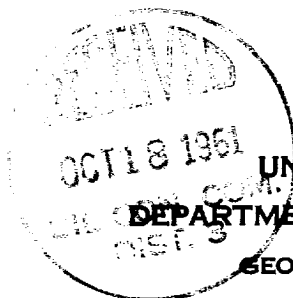




LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 070578-A

LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Howell Field Blanco Mesa Verde State New Mexico
Well No. 3-K Sec. 15 T. 30N R. 8W Meridian N.M.P.M County San Juan
Location 790 ft. XX of N Line and 1650 ft. YE of E Line of Section 15 Elevation 5844
(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 A.M. SMITHDate October 13, 1961Title Petroleum Engineer

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

Commenced drilling 10-16-, 19 51 Finished drilling 11-22-, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2700 to 2779 (G) No. 4, from 4954 to 5035 (G)
No. 2, from 4461 to 4578 (G) No. 5, from _____ to _____
No. 3, from 4578 to 4954 (G) 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	From—	To—	Purpose
9 5/8"	35	8-11	J-55	274	Butco				Surface
5 1/2"	19	8-11	J-55	447	Butco				Intermediate
2 7/8"	6.4	8-11	J-55	5193					Free tubing.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	284	150	circulated		
5 1/2"	4430	300	single stage		
2 7/8"	5202	425	2 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
See Well History						

TOOLS USED

Rotary tools were used from 0 feet to 4430 feet, and from 4430 (Gas Drilled) feet to 5210 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 2,752,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 944 (csg.) A.O.F. 2999 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2700	2700	Tan to gry cr-grn ss interbedded w/ gry sh.
2700	2779	79	Pictured Cliffs form Gry, fine-grn, tight varicolored soft ss.
2779	4478	1699	Lewis form. Gry, fine-grn, dense sil ss.
4478	4578	100	Cliff House ss. Gry, fine-grn, dense sil ss.
4578	4954	376	Mancos form. Gry, fine-grn s, carb sh & coal.
4954	5035	81	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5035	5210	175	Mancos form. Gry carb sh.

507 days

[illegible]

0957309

UNITED STATES

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given here will be a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Witness my hand and official seal this _____ day of _____, 19____.

Geological Engineer

County Clerk

Field Engineer

Address _____

Name of Landowner _____

[illegible]

CLASS NO. 57449 P43 P74 197

(5) *and stored*

No. 3 from	to	(b) (7) (C)	No. 4 from	to	(b) (7) (C)
No. 2 from	to	(b) (7) (C)	No. 5 from	to	(b) (7) (C)
No. 1 from	to	(b) (7) (C)	No. 6 from	to	(b) (7) (C)

4958-4966; Franc Point lookout w/41,800 gal water & 30,000# sand. BDP 3200#, max 4980-4988; Dr 388 3900#, avg tr pr 3500#. IN 29.2 BHP. Flush 3450 gallons. 4996-5004; Dropped 2 sets of 20 balls and 3 sets of 20 balls.

4538-4546; Max City House w/20,700 gal water & 20,000 sand; 3300¢;
4554-4562; Max Dr 3700¢, was 12,000¢; 21 BHM. Flush 1260 gal.

the reasons for the work and the results. If there were any changes made in the casing, state why, and if any casing was sidetracked, 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 the test for material, state the kind of material used.

SECTION OF OIL ON GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

INFORMATION RECORD—Continued

FORMATION

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