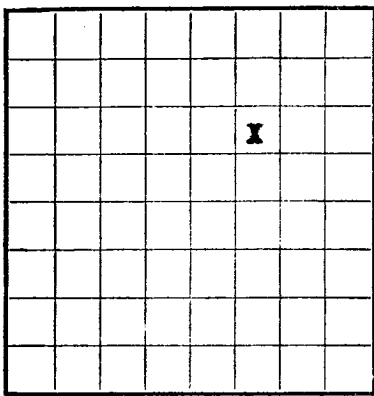


U. S. LAND OFFICE New MexicoSERIAL NUMBER 0607

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

RECEIVED
MAY 11 1955
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Atlantic Field Blanco State New Mexico
Well No. 5-C Sec. 6 T. 30N R. 10W Meridian NMPM County San Juan
Location 1750 ft. N of W Line and 1650 ft. W of E Line of Section 6 Elevation 6107
(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

D.C. JohnstonDate May 9, 1955Title Petroleum Engineer

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

Commenced drilling February 10, 1955 Finished drilling March 3, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2742 to 2865 (G) No. 4, from 4945 to 5082 (G)
No. 2, from 4343 to 4554 (G) No. 5, from _____ to _____
No. 3, from 4554 to 4945 (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"	25.4#	P.E.	S.W.	160'	Howco				Surface
7"	16.0#	8 RD	J-55	1393'	Baker				Prod. Log.
2"	4.7#	8 RD	J-55	507'					Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	170'	125	Circulated		
7"	4900'	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

TOOLS USED

Gas DrilledRotary tools were used from 0 feet to 4900 feet, and from 4900 feet to 5110 feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ March 4, 1955 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 5,100,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1092

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
---	---	---	---
458	458	458	Variegated sh w/thin ss breaks.
458	1310	852	Tan to gry cr-grn ss interbedded w/gry sh.
1310	1460	150	Ojo Alamo ss. White cr-grn s.
1460	2342	882	Kirtland form. Gry sh intabedded w/tight gry fine-grn ss.
2342	2742	400	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2742	2865	123	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2865	4343	1478	Lewis form. Gry to white dense sh w/silty to shaly ss breaks.
4343	4554	211	Cliff House ss. Gry, fine-grn, dense sil ss.
4554	4945	391	Menefee form. Gry, fine-grn s, carb sh & coal.
4945	5082	137	Point Lookout form. Gry, very fine-sil ss w/frequent sh breaks.
5082	5110 T.D.	28	Mancos formation. Grycarb sh.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

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

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No. 1, from	242	to	243	No. 4, from	244	to	245
No. 2, from	246	to	247	No. 5, from	248	to	249
No. 3, from	250	to	251	No. 6, from	252	to	253

IMPORTANT WATER SANDS

No. 1, from	to	No. 8, from	to
No. 8, from	to	No. 1, from	to

On March 3, 1957, total depth 5110'. Sandall fractured point located 4900-5110'. With 20,100 gallons of diesel oil with 1% sand. Breakdown pressure 4300 psi. Maximum pressure 2400 psi, Injection rate 6-8 gals./min. Flush 1500 gallons. Natural gas 805 MCF/D.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, 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 rings or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53044-2

SLURRY MUD LOGGING RECORD

Case No.	Witness	Number days of consent	Married time	Had gratuity	Amount of money
1	123	10	10	10	10
2	123	10	10	10	10
3	123	10	10	10	10
4	123	10	10	10	10
5	123	10	10	10	10
6	123	10	10	10	10
7	123	10	10	10	10
8	123	10	10	10	10
9	123	10	10	10	10
10	123	10	10	10	10

REPORTAGE

Adapter - Material	Length	Depth set
Flaring plug - Material		
Size		

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared and
			500 lbs. of dynamite.			

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
Apple tools were used from	feet to	feet, and from	feet to

DATE

If gas well, cu. ft. per 24 hours Emulsion; and _____ % sediment	Put to producing _____ barrels of fluid of which _____ % was oil; Gravity, _____ Gallons gasoline per 1,000 cu. ft. of gas
---	---

EMPLOYERS

Driller	Driller		
Driller	Driller		

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM
Unconsolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	100	0
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	200	100
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	300	200
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	400	300
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	500	400
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	600	500
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	700	600
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	800	700
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	900	800
Consolidated sand and gravel, 100 ft. to 150 ft. thick, composed of sand and gravel, with some pebbles.	100	1000	900

FORMATION RECORD—Continued

FORMATION

TOTAL FEET

—OL

—WOLFE