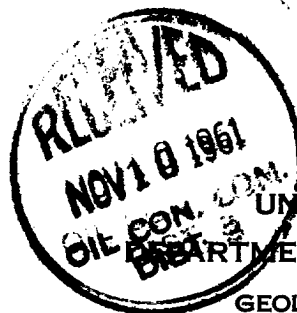
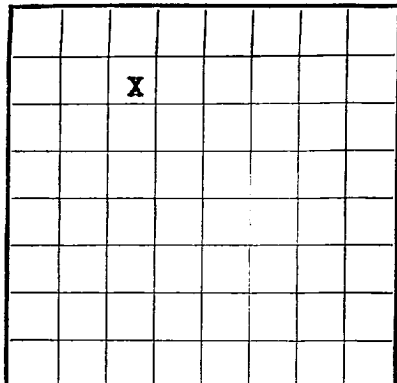


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078886
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract Canyon Largo Unit Field Devils Fork Gallup State New Mexico
 Well No. 106 Sec. 20 T. 24 N R. 6 W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. N of N. Line and 1500 ft. E of W Line of Section 20 Elevation 6565
(Check box relative to well)

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 _____

Date November 3, 1961 Title Petroleum Engineer

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

Commenced drilling ~~9-2~~-----, 19-~~61~~ Finished drilling ~~9-17~~-----, 19-~~61~~

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5236 to 5553 (3) 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	Perforated		Purpose
							From—	To—	
9 5/8"	3.3	8 rd	R-40	25	NOV 20				Surf lines
4 7/8"	3.5	8 rd	J-55	15	NOV 20				Subsidiary
2 3/8"	4.7	8 rd	J-55	15	NOV 20				tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	297	200	circulate		
1 1/2"	5553	270	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
5456-5468;	Frac Gallup w/48,700 gal water, 40,000# sand. Max pr 3000#, BDP 2600#, avg tr pr 2400#. I.R. 40 BPM. Flush 5900 gallons.					

TOOLS USED

Rotary tools were used from 0 feet to 5553 feet, and from _____ feet to _____ feet

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

DATES

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 1,190,000 Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1401 (casing) A.O.F. 1228 MCF/D
EMPLOYEES

_____, Driller _____, Driller

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1535	1535	Tan to gry cr@grn ss interbedded w/gry sh.
1535	1830	295	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1830	2012	182	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2012	3840	1828	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3840	3904	64	Cliff House ss. Gry, fine-grn, dense sil ss.
3904	4285	381	Manefee form. Gry, fine-grn s, carb sh & coal.
4285	4486	201	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4486	5236	750	Mancos form. Gry carb sh.
5236	5553	317	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.

LOS OF OIL OF GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

237472

✓ 1/2-12 1A7190 1039

OF THE INTERIOR

✓ 1/2-12 1A7190 1039

LOS OF OIL OF GAS WELL

1. The first step in the process of the development of a new product is the identification of a market need. This is often done through market research, which can be conducted in a number of ways. One way is to conduct a survey of potential customers, asking them about their needs and preferences. Another way is to observe the behavior of potential customers in a retail setting. A third way is to analyze the sales data of existing products to identify gaps in the market.

2. Once a market need has been identified, the next step is to develop a product concept. This involves creating a detailed description of the product, including its features, benefits, and target market. The product concept is then used to create a business plan, which outlines the company's strategy for developing and marketing the product.

3. The third step in the process is to develop a prototype. This involves creating a physical model of the product, which can be used to test the product's design and functionality. The prototype is often created using 3D printing technology, which allows for the rapid production of complex parts.

4. The fourth step in the process is to conduct a pilot test. This involves selling the product to a small group of customers, in order to test the product's market acceptance and to gather feedback from customers. The results of the pilot test are used to refine the product and to develop a marketing strategy.

5. The final step in the process is to launch the product. This involves selling the product to a large number of customers, in order to achieve a significant market share. The company's marketing strategy is used to promote the product and to attract customers.

and would be required to undergo an additional full background check.

[illegible]

NO TO BOMBING

(Drops are 250 mg)

[illegible][illegible][illegible]

STRAIN RATE TRANSFORM

$$e^2 \approx 0.0073 \quad \mu_B^2 \approx 0.00036 \quad \mu_N^2 \approx 0.00000036$$

..... 5.00% 6.00% 7.00% 8.00% 9.00% 10.00% 11.00% 12.00% 13.00% 14.00% 15.00% 16.00% 17.00% 18.00% 19.00% 20.00% 21.00% 22.00% 23.00% 24.00% 25.00% 26.00% 27.00% 28.00% 29.00% 30.00% 31.00% 32.00% 33.00% 34.00% 35.00% 36.00% 37.00% 38.00% 39.00% 40.00% 41.00% 42.00% 43.00% 44.00% 45.00% 46.00% 47.00% 48.00% 49.00% 50.00% 51.00% 52.00% 53.00% 54.00% 55.00% 56.00% 57.00% 58.00% 59.00% 60.00% 61.00% 62.00% 63.00% 64.00% 65.00% 66.00% 67.00% 68.00% 69.00% 70.00% 71.00% 72.00% 73.00% 74.00% 75.00% 76.00% 77.00% 78.00% 79.00% 80.00% 81.00% 82.00% 83.00% 84.00% 85.00% 86.00% 87.00% 88.00% 89.00% 90.00% 91.00% 92.00% 93.00% 94.00% 95.00% 96.00% 97.00% 98.00% 99.00% 100.00%

0-174-24940

Country	Year	Value	Unit
Algeria	1990	1.00	1000
Algeria	1991	1.00	1000
Algeria	1992	1.00	1000
Algeria	1993	1.00	1000
Algeria	1994	1.00	1000
Algeria	1995	1.00	1000
Algeria	1996	1.00	1000
Algeria	1997	1.00	1000
Algeria	1998	1.00	1000
Algeria	1999	1.00	1000
Algeria	2000	1.00	1000
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Algeria	2069	1.00	1000
Algeria	2070	1.00	1000
Algeria	2071	1.00	1000
Algeria	2072	1.00	1000
Algeria	2073	1.00	1000
Algeria	2074	1.00	1000
Algeria	2075	1.00	1000
Algeria	2076	1.00	1000
Algeria	2077	1.00	1000

[illegible]

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.

It is of the greatest importance to have a complete history of the wall. Please state in detail the dates of redrawing and together

HISTORY OF OIL OR GAS WELL

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[illegible]