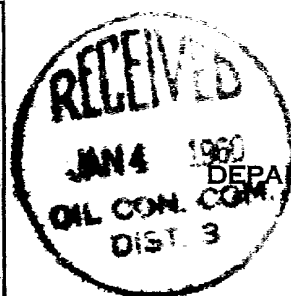
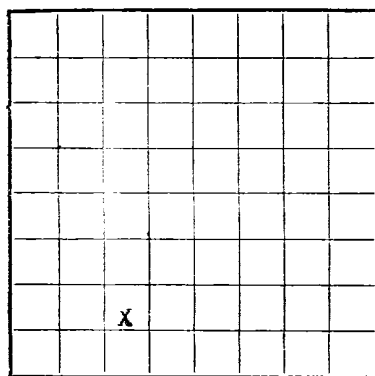


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 019364
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 997, Farmington, New Mexico
Lessor or Tract Rincon Unit Field Blanco M.V. & So.
Well No. 149(MD) Sec. 30 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1100 ft. N of 2 Line and 175 ft. E of W Line of Section 30 Elevation 6626
(Elevation for 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 J.J. TILLERSON

Date December 22, 1959 Title Petroleum Engineer

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

Commenced drilling 9-24, 1959 Finished drilling 10-24, 1959

ORE OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4685 to 4786 (G) No. 4, from 7284 to 7449 (G)
No. 2, from 4786 to 5326 (G) No. 5, from 7449 to 7637 (G)
No. 3, from 5326 to 5460 (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	Pierced		Purpose
							From—	To—	
13 3/8	48	8 Rd.	Baker	306	Baker				Immediate
9 5/8	48	8 Rd.	Baker	1022	Baker				Prod. Csg.
7	23	8 Rd.	J-55	722	Baker				Prod. Liner
5	15	8 Rd.	J-55	479	Baker				Prod. Tbg.
2 1/2	4.7	8 Rd.	J-55	7432					Prod. Tbg.
2	4.7	8 Rd.	J-55	5501					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	317	230	Circulated		
9 5/8	3252	150	Single Stage		
7	7255	1006	Single Stage		
5	7172-7651	50	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Baker Model "D" Production Packer # 5680

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from 0 feet to 3253 feet, and from 3253 feet to 7524 feet
Cable tools were used from _____ feet to _____ feet, and from 7521 feet to 7653 feet

DATES

_____ 11-12, 1959 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 M-1,780,000 Gallons gasoline per 1,000 cu. ft. of gas D-4,780,000

Rock pressure, lbs. per sq. in. M-1114; D-1910 A.O.F.= M-1823; D-5703 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	2408	2408	Tan to gry cr-grn ss interbedded w/gry sh.
2408	2489	81	Ojo Alamo ss. White cr-grn s.
2489	2885	396	Kirtland form. Gry sh interbedded w/tight gry fine gr ss.
2885	3059	174	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3059	3145	86	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3145	4685	1540	Levis formation. Gry to white dense sh w/silty to shaly ss breaks.
4685	4786	101	Cliff House ss. Gry, fine-grn, dense sil ss.
4786	5326	540	Manefee form. Gry, fine-grn s, carb sh & coal.
5326	5460	134	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5460	6452	992	Mancos formation. Gry carb sh.
6452	6860	408	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
6860	6920	60	Tocito form. Fr to md grn sub angular to sub rd clr quartz sd glauco lt gr to tan.
6920	7222	302	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7222	7284	62	Greenhorn form. Highly calc gry sh w/thin lnt.
7284	7449	165	Graneros form. Dk gry shale, fossil & carb w/prite incl.
7449	7637	188	Dakota form. Lt to dk gry foss carb sil calc silty w/prite incl thin sh bands clay & shale breaks.
7637	7653	16	Morrison form. Interbed grn brn & red waxy

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

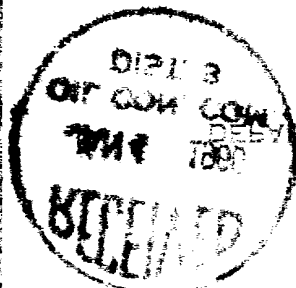
10-29-59 Perf. Dek. 7450-60; 7490-7500; 7506-16; 7524-34 (w/2 DI/ft) Fraced w/ 50,000 gallons oil and 50,000# sand. Flushed w/12,000 gallons oil, and 50,000# sand. Flushed w/12,000 gallons oil. I.R. 44.2 BPM. BD pr. 3200#. Avg. tr. pr. 3100-3350-3400-3600#. Dropped 1 set of balls for 2 stage frac. Spotted 500 gals. MEA on perf. zone. 1st stage set CIBF @ 7900 7900'.

10-29-59 Second stage spotted 1000 gallons on zone to be perf. Perforated Graneros 7320-7328; 7334-7342; 7347-7353; 7358-7366 (2 DJ/ft.)

fractured w/29,688 gallons oil, 22,000 sand. Flashed w/11,000 gallons oil. I.R. 38.9 BPM. BD pr. 3700#, avg. tr. pr. 3700-3600-3500-3600#. Set WME bridge plug at 7290'. Perf. Joint Lookout & Manafee form. 5166-74; 5212-16; 5226-30; 5244-50; 5256-62; 5272-76; 5304-14; 5328-38; 5367-77; 5396-506; 5416-28; 5430-58; 5446-59; 5486-96 (2 DJ/ft.) fraced w/100,000 gallons water and 100,000 sand. BD pr. 1600#. I.R. 34.5 BPM. Tr. pr. 1500-2000-2500-2900-3500-3750#. Dropped 7 sets of 20 balls for 1 stg. frac.

FORMULARE WEIT CORREGIEREN

TOP OF OIL OR GAS WELL



GEOLOGIC MAP
 TOWN OF THE PATRIOT
 ONE TO ONE

MEMORANDUM FOR THE DIRECTOR, FBI

1. The first group of people who are not in the labor force are those who are not in the labor force for any reason. This group includes people who are not in the labor force because they are not in the labor force for any reason.

Figure 1. The effect of the concentration of the inhibitor on the rate of polymerization of the monomer. The reaction conditions were: $[M] = 0.05 \text{ mol/L}$, $[AIBN] = 0.001 \text{ mol/L}$, $[I] = 0.001 \text{ mol/L}$, $[I] = 0.002 \text{ mol/L}$, $[I] = 0.004 \text{ mol/L}$, $[I] = 0.008 \text{ mol/L}$, $[I] = 0.016 \text{ mol/L}$, $[I] = 0.032 \text{ mol/L}$, $[I] = 0.064 \text{ mol/L}$, $[I] = 0.128 \text{ mol/L}$, $[I] = 0.256 \text{ mol/L}$, $[I] = 0.512 \text{ mol/L}$, $[I] = 1.024 \text{ mol/L}$, $[I] = 2.048 \text{ mol/L}$, $[I] = 4.096 \text{ mol/L}$, $[I] = 8.192 \text{ mol/L}$, $[I] = 16.384 \text{ mol/L}$, $[I] = 32.768 \text{ mol/L}$, $[I] = 65.536 \text{ mol/L}$, $[I] = 131.072 \text{ mol/L}$, $[I] = 262.144 \text{ mol/L}$, $[I] = 524.288 \text{ mol/L}$, $[I] = 1048.576 \text{ mol/L}$, $[I] = 2097.152 \text{ mol/L}$, $[I] = 4194.304 \text{ mol/L}$, $[I] = 8388.608 \text{ mol/L}$, $[I] = 16777.216 \text{ mol/L}$, $[I] = 33554.432 \text{ mol/L}$, $[I] = 67108.864 \text{ mol/L}$, $[I] = 134217.728 \text{ mol/L}$, $[I] = 268435.456 \text{ mol/L}$, $[I] = 536870.912 \text{ mol/L}$, $[I] = 1073741.824 \text{ mol/L}$, $[I] = 2147483.648 \text{ mol/L}$, $[I] = 4294967.296 \text{ mol/L}$, $[I] = 8589934.592 \text{ mol/L}$, $[I] = 17179869.184 \text{ mol/L}$, $[I] = 34359738.368 \text{ mol/L}$, $[I] = 68719476.736 \text{ mol/L}$, $[I] = 137438953.472 \text{ mol/L}$, $[I] = 274877906.944 \text{ mol/L}$, $[I] = 549755813.888 \text{ mol/L}$, $[I] = 1099511627.776 \text{ mol/L}$, $[I] = 2199023255.552 \text{ mol/L}$, $[I] = 4398046511.104 \text{ mol/L}$, $[I] = 8796093022.208 \text{ mol/L}$, $[I] = 17592186044.416 \text{ mol/L}$, $[I] = 35184372088.832 \text{ mol/L}$, $[I] = 70368744177.664 \text{ mol/L}$, $[I] = 140737488355.328 \text{ mol/L}$, $[I] = 281474976710.656 \text{ mol/L}$, $[I] = 562949953421.312 \text{ mol/L}$, $[I] = 1125899906842.624 \text{ mol/L}$, $[I] = 2251799813685.248 \text{ mol/L}$, $[I] = 4503599627370.496 \text{ mol/L}$, $[I] = 9007199254740.992 \text{ mol/L}$, $[I] = 18014398509481.984 \text{ mol/L}$, $[I] = 36028797018963.968 \text{ 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2000 JUL 25 11:00

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2. 0001 167 113 15-00-00

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