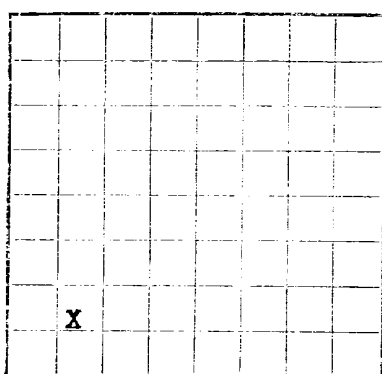
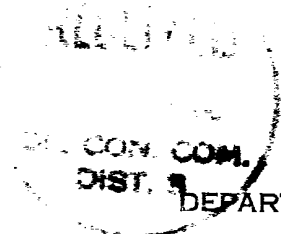




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa FeSERIAL NUMBER 078461

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 Ellan Field Blanco M.V. & Wildcat Dakota State New Mexico
Well No. 5(MD) Sec. 5 T27N R. 3W Meridian N.M.P.M. County San Juan
Location 850 ft. N of S Line and 820 ft. E of W Line of Sec. 5 Elevation 6243
XX XX (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 L. W. MeenanDate August 17, 1960 Title Petroleum Engineer

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

Commenced drilling 5-5, 1960 Finished drilling 6-1-60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4050 to 4085 (G) No. 4, from 6663 to 6746 (G)
No. 2, from 4085 to 4689 (G) No. 5, from 6746 to 6982 (G)
No. 3, from 4689 to 4843 (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	Perforated		Purpose
							From—	To—	
13 3/8"	48	8 Rd.	H-4087-55	324	Howco				surface
7"	23	8 Rd.	H-8083-55	7015	Baker				prod casing
2"	4.7	8 Rd.	J-55	6885					prod tubing
2"	4.7	8 Rd.	J-55	4821					Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	333	350	circulated		
7"	7029	490	three stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Baker Model "D" prod. packer @ 6604'

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 7035 feet, and from _____ feet to _____ feet

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

DATES

6-19, 1960 Put to producing _____, 1960

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-1,433,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. D-3,536,000M-976D-2178

A.O.F. - M-1593

MCF/D

D - 3755

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1500	1500	Tan to gry cr-grn ss interbedded w/gry sh.
1500	1560	60	Ojo Alamo ss. White cr-grn s.
1560	2069	509	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2069	2378	309	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2378	2472	94	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
2472	4050	1578	Lewis form. Gry, fine-grn, dense sil ss.
4050	4085	35	Cliff House ss. Gry, fine-grn, dense sil ss.
4085	4689	604	Manefee form. Gry, fine-grn s, carb sh & coal.
4689	4843	154	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4843	5835	992	Mancos formation. Gry carb sh.
5835	6273	438	Gallup form. Lt gry to brn calc carb mocac glauco very fine gry ss w/irreg. interbed. sh.
6273	6604	331	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6604	6663	59	Greenhorn form. Highly calc gry sh w/thin lmst.
6663	6746	83	Graneros form. Dk gy shale, fossil & carb w/prite incl.
6746	6982	236	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
6982	7035	53	Morrison form. Interbed grn brn and red waxy ss & fr to cr grn sd.

[illegible]

W/306 gal Break Down Acid on zone, Break Perf 6678-98
W/3200 #. 10 B.P.M. @ 2000 #. Frac W/70,000 gal water
and 80,000 # 40-60 sand. Flush W/11,700 gal. Form-
ation Broke @ 3200 #. I.R. 55.2 B.P.M. Treating
pressure 2200-1800-4500-3000-3500. Dropped 3 sets
of 20 balls and 1 set of 15 for 5 stage frac. All
water contained 7 # J-98/1000 gal. and 1 % calcium
chloride.

Point Lookout;
4710-28; 4736-60;
4772-28; 4810-20;
4780-47

6280-6305

DATE	TIME
5-21-60	5-23-60
	5-24-60
	5-24-60
	5-26-60
	5-27-60
	5-27-60
	5-29-60
	5-29-60
	5-30-60