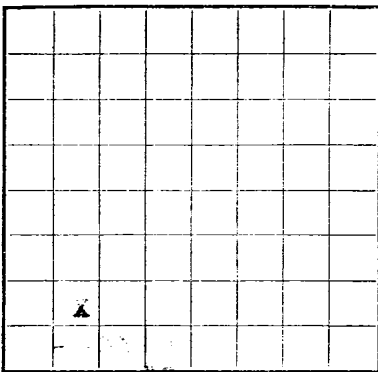
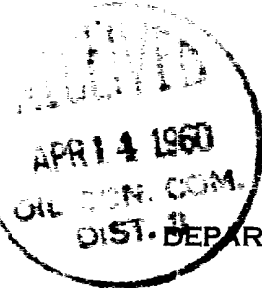




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSanta Fe
U. S. LAND OFFICE
SERIAL NUMBER 080505-B
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-5 Unit Field Blanco M.V. & Wildcat Dak. State New Mexico
Well No. 35 (MD) Sec. 19 T. 28N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of S Line and 990 ft. E. of W Line of Section 19 Elevation 6570
(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 R.E. McANALLYDate April 8, 1960 Title Petroleum Engineer

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

Commenced drilling 10-14, 19. 59 Finished drilling 11-12, 19. 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5072 to 5220 (G) No. 4, from 7557 to 7701 (G)
No. 2, from 5220 to 5562 (G) No. 5, from 7701 to 7915 (G)
No. 3, from 5562 to 5811 (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.	HS	300	Hawco				Surface
9 5/8	36 & 40	8 Rd.	J-55 & M-80	360	Baker				Intermediate
7"	23 & 26	8 Rd.	"	7535	Baker				Prod. Csg.
5"	15	8 Rd.	J-55	473	Baker				Prod. Liner
5"	15	8 Rd.	J-55	1112	Baker				Liner
2"	4.7	8 Rd.	J-55	7499					Prod. Tbg.
1 1/4"	2.4	10 Rd.	Grade A	1610					Prod. Tbg.

MUDLOGGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	323	375	Circulated		
9 5/8	3617	170	Single Stage		
7"	7545	1000	Single Stage		
5"	7479-7952	60	Single Stage		
5"	4738-5850	125	Single Stage		

PLUGS AND STAGGERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Baker Model "D" packer at 7503'

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 3620 feet, and from 3620 feet to 7553 feet
Cable tools were used from _____ feet to _____ feet, and from 7553 feet to 7955 feet

DATES

_____ 12-14, 19. 59 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-7,605,000 Gallons gasoline per 1,000 cu. ft. of gas _____
D-4,247,000Rock pressure, lbs. per sq. in. M-1087; D-2098 A.O.F. = M.V. 10,571; Dak 4,687 MCF/D

EMPLOYEES

_____, Driller _____, Driller
Summit Drilling Company

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2650	2650	Tan to gry cr-grn ss interbedded w/gry sh.
2650	2820	170	Ojo Alamo ss. White cr-grn s.
2820	3102	282	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3102	3400	298	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3400	3469	69	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3469	5072	1603	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5072	5220	148	Cliff House ss. Gry, fine-grn, dense sil ss.
5220	5562	342	Menefee form. Gry, fine-grn s, carb sh & coal.
5562	5811	249	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5811	6651	840	Mancos formation. Gry carb sh.
6651	7200	549	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7200	7500	300	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7500	7557	57	Greenhorn form. Highly calc gry sh w/thin lmst.
7557	7701	144	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.
7701	7915	214	Dakota form. Lt to dk gry foss carb sl calc sil silty ss w/pyrite incl thin sh bands clay & shale breaks.

(OVER)

FORMATION

07.

Morrison form. Interbed grn brn & red
Waxy shale & fr to cr grn sd.

U. S. GOVERNMENT PRINTING OFFICE

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.

Temp. bridge pier at 5400'. Fert. 5176-5182; 5190-5196; 5202-5210; 5296-5300, 1/40,000 gal water & 25,000# sand. BDF 1100#, max. pr. 1100#, avg. tr. pr. 650-950-1050-1100#. I.R. 48.4 BHM. flush 10,000 Est.

Temporary bridge plug set at 7565'. Perf. Point lookout 5526-5540; 5580-5590;
5592-5610; 5616-5622; 5628-5634; 5638-5650; 5664-5676; 5680-5692; 5698-5701;
5704-5716; 5724-5730 fine w/90,000 gal water & 50,000# sand. BBP 1150# max. pr.
2500#, avg. tr. pr. 1000-1100-1200-1550-1650-2200#. I.R. 4817 BHM. Flush 10,000 gal.
Temporary bridge plug at 7635'. Old line graneros perf. Int. 7605-7614; 7618-7626
w/22,660 gal. oil & 20,000# sand. BBP 1800# max. pr. 8700#, avg. tr. pr. 3700#.
I.R. 452 BHM. Flush 11,340 Gallons.

Oil from Lower Dakota part. Int. 7702-7703 7716-7718 w/24,000 gal. oil & 20,000# sand. Avg. tr. pr. 3700#. 28 Bbl. Flush 12,390 gallons.

NOTES

LIBRARY

7600-7601
7661-7720
7722-7782
4783-4804

7.61
8.09
8.09
9.09