

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office New Mexico
Lease No. 04209
Unit Hancock

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Water Frac.</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 2, 1959

Well No. 4(HM) is located 1090 ft. from Max line and 550 ft. from Sec line of sec. 23
SW Sec. 23 26N 9W H.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Astec P. C. & Blanco M. V. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6990 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

5-31-59 Total Depth 5737'. E.O.T.D. 5655'. Water fractured Point Lookout
 Perf. int. 5500-5510; 5524-5534; 5574-5584; 5592-5606; 5624-5636;
 w/70,000 gallons water and 70,000# sand. BD pr. 1100#, max. pr. 3000#,
 avg. tr. pr. 1000-1300-2100-1700#. I.R. 72 BHM. Flush 10,500 gallons.
 6-1-59 Total Depth 5737', Temporary bridge plug at 5020'. Water fractured
 Pictured Cliffs perforated intervals 3244-3254; 3270-3284; 3292-3302
 w/35,000 gallons water and 35,000# sand. BD pr. 500#, max. pr. 1200#,
 avg. tr. pr. 900-1000-1100#. I.R. 92 BHM. Flush 10,500 gallons.

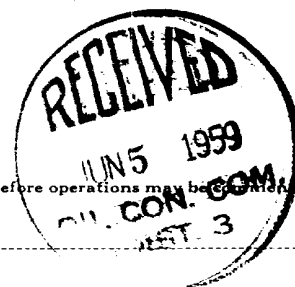
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 997
Farmington, New Mexico

By ORIGINAL SIGNED H.E. McANALLY

Title Petroleum Engineer



U. S. LAND OFFICE New Mexico

SERIAL NUMBER 04209

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 Hancock Field Aztec P.C. & Blanco M. V. State New Mexico
 Well No. 4(PM) Sec. 23 T. 28N R. 9W Meridian N.M.P.M. County San Juan
 Location 1090 ft. [N] of S Line and 990 ft. [E] of W Line of Section 23 Elevation 6990'

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 **D. W. Meehan**

Date **July 15, 1959**

Title **Petroleum Engineer**

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

Commenced drilling ----- 5-8 -----, 19-59 Finished drilling ----- 5-26 -----, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3240</u> to <u>3303 (G)</u> No. 2, from <u>4900</u> to <u>4945 (B)</u> No. 3, from <u>4945</u> to <u>5501 (G)</u>	No. 4, from <u>5501</u> to <u>5685 (G)</u> No. 5, from _____ to _____ No. 6, from _____ to _____
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•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—	
10 3/4	32.75	P.E.	S.W.	164	Howco				Surface
7 5/8	26.4	8 Rd.	J-55	3375	Baker				Prod. Csg.
5 1/2	15.5	8 Rd.	J-55	2399	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5586					Prod. Tbg.
1 1/4	2.4	10 Rd.	Grade "A"	3232					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10. 3/4	174	120	Circulated		
7 5/8	33 ^{or} 7	114	Single Stage		
5. 1/2	3317- 3761	409	Single Stage	& Sq.	

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size **Baker "EG" Packer at 3401'**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History				

TOOLS USED

TOOLS USED

	Gas Drilled					
Rotary tools were used from	180	feet to ...	3405	feet, and from ...	3405	feet to 5737 feet.
Cable tools were used from	0	feet to ...	180	feet, and from		feet to feet.

DATES

6-5 _____, 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 ~~EC-3,197,000~~
~~EC-3,677,000~~ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. PC-773
NY-945----- A.O.F. = P.C. 3596; M.V. 5694 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2220	2220	Tan to gry cr-grn ss interbedded w/gry sh.
2220	2351	131	Ojo Alamo ss. White cr-grn s.
2351	2979	628	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2979	3240	261	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3240	3303	63	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3303	4900	1597	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4900	4945	45	Cliff House ss. Gry, fine-grn, dense sil ss.
4945	5501	556	Menefee form. Gry, fine-grn s, carb sh & coal.
5501	5685	184	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5685	5737	52	Mancos formation. Gry carb sh.

[illegible]

5-31-59	G.O.T.D. 5655. Perf. Point Lookout 5500-5510; 5524-34; 5574-84; 5592-5606; 5624-36 (2 DJ/ft.) water trac. w/70,000 gallons water, 70,000# sand, flush 10,500 gallons water. I.R. 72 BHM, Max. pr. 3000#, BD pr. 1100#, tr. pr. 1000-1300-2100-1700#. Dropped 2 sets of 35 balls for 3 stages.
6-1-59	Set bridge plug at 5020'. Perf. Pictured cliffs 3244-54; 3270-84; 3292-3302 (2 DJ/ft.) water traced w/35,000 gallons water, 35,000# sand, flush 10,500 gallons water. I.R. 92 BHM, Max. pr. 1200#, BD pr. 500#, tr. pr. 900-1000-1100#. Dropped 2 sets of 15 balls for three stages.