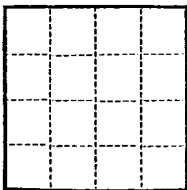


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office AlamogordoLease No. 679028Unit Alamogordo

## 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 Fracture</u>	<u>X</u>

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

September 13, 1956

Well No. 81 is located 1360 ft. from S line and 1948 ft. from W line of sec. 17Section 17  
( $\frac{1}{4}$  Sec. and Sec. No.)27N  
(Twp.)6W  
(Range)RMP  
(Meridian)Alamogordo  
(Field)El Arriba  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 6296 ft.

## DETAILS OF WORK

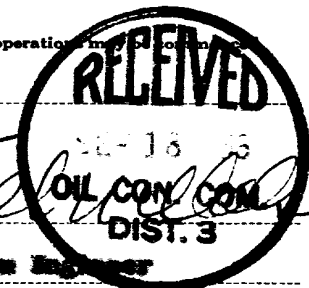
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

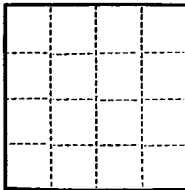
9-6-56 T.D. 5344'. COKE 5313'. Water fractured Point Lookout perf. int. 5088-98, 5112-82, 5188-96 w/53,500 gals. water &amp; 55,000¢ sand. NFP 1800¢, max. pr. 2800¢, avg. tr. pr. 1900¢. Inj. rate 92.2 BPM. Flush 9800 gals. Nat. gas none.

9-7-56 T.D. 5344'. B.P. @ 4730'. Water fractured Lower Cliff House perf. int. 4672-4670, 6 in./ft., with 92,700 gals. water &amp; 40,000¢ sand. NFP 3000¢, max. pr. 2700¢, avg. tr. pr. 2250¢. Inj. rate 42.9 BPM. Flush 4670 gals. Nat. gas none.

9-7-56 T.D. 5344'. B.P. @ 4635'. Water fractured Upper Cliff House perf. int. 4570-86, 4606-81 w/54,190 gals. water &amp; 38,000¢ sand. NFP 1800¢, max. pr. 2400¢, avg. tr. pr. 2000¢. Inj. rate 40.5 BPM. Flush 4621 gals. Nat. gas none.

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

Company El Paso Natural Gas CompanyAddress Box 997  
Farmington, New MexicoBy [Signature]  
Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. 079052  
Unit Blanco

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
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		

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

September 5, 1956

Well No. 81 is located 1360 ft. from N line and 1948 ft. from W line of sec. 17

SW Section 17 27N 6W EMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Blanco Rio Arriba New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6296 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)

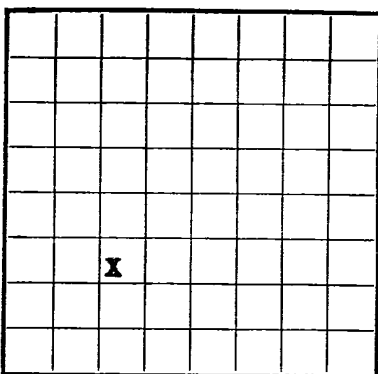
8-29-56 Total Depth 2973'. Run 96 joints 7 5/8", J-55, 26.4#, casing (2959') set at 2969' with 100 sacks regular cement, 100 sacks Pozmix, 50# Floccs & 45 Gal, followed with 50 sacks Best cement. Hold 1000# 30 minutes. Top of cement by temperature survey at 1490'.

9-4-56, Total Depth 5345'. Run 134 joints 5 1/2", 15.5#, J-55 casing (5330') set at 5340' with 150 sacks regular cement, 150 sacks Pozmix, 50 Gal, 1/8# Floccs/sk. followed with 50 sacks regular. Hold 1000# for 30 minutes. Top of cement by temperature survey at 3290'.

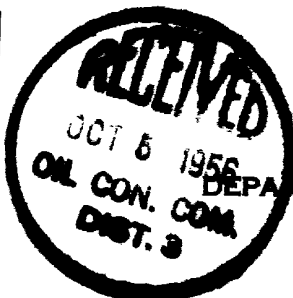


I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company  
Address Box 997  
Farmington, New Mexico  
By W. F. Corral  
Title Petroleum Engineer



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYU. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 079052  
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 Rincon Unit Field Blanco State New Mexico  
Well No. 81 Sec. 17 T. 27N R. 6W Meridian NMPM County Rio Arriba  
Location 1360 ft. N. of S Line and 1948 ft. E. of W Line of Section 17 Elevation 6298'  
(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 [Signature]

Date October 2, 1956Title Petroleum Engineer

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

Commenced drilling 8-24-56, 19\_\_\_\_ Finished drilling 9-3-56, 19\_\_\_\_

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2888 to 2952 (G) No. 4, from 5067 to 5278 (G)  
No. 2, from 4539 to 4679 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4679 to 5067 (G) No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 5, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Length	Make	Amount	Kind of shoe	Cut and pulled from	Remarks
10 3/4"	32.75	32	6-N	161	House	2000-30	Surface
7 5/8"	29.69	25	J-55	524	House	2000-30	Intermediate
5 1/2"	19.7	8	J-55	524	House	2000-30	Intermediate
2"	1.7	8	J-55	524	House	2000-30	Prod. Log.

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	176'	125	Circulated		
7 5/8"	2969'	250	Single Stage		
5 1/2"	5340'	300	Single 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

## TOOLS USED

Rotary tools were used from 0 feet to 2970 feet, and from 2970 feet to 5345 feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

9-10-56, 19\_\_\_\_ 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 3,304,000 A.O.F. 5.217 MCF/D. Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 1197

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2121	2121	Tan to gry cr-grn ss interbedded w/ gry sh.
2121	2292	171	Ojo Alamo ss. White cr-grn s.
2292	2610	318	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2610	2888	278	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2888	2952	64	Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss.
2952	4539	1587	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4539	4679	140	Cliff House ss. Gry, fine-grn, dense silt ss.
4679	5067	388	Mansfield form. Gry, fine-grn s, carb sh & coal.
5067	5278	211	Point Lookout form. Gry, very fine silt ss w/frequent sh breaks.
5278	5345	67	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued