

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**

Lease No. **079004**

Unit **San Juan 32-8 Unit**



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		

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

November 30, 19**60**

Well No. **13-9** is located **1120** ft. from **XXX** line and **800** ft. from **W** line of sec. **9**

S.W. Sec. 9

(1/4 Sec. and Sec. No.)

Blanco Mesa Verde

(Field)

31-N

(Twp.)

San Juan

(County or Subdivision)

8-W

(Range)

N.M.P.M.

(Meridian)

New Mexico

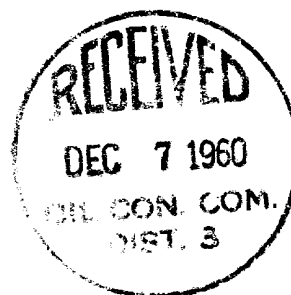
(State or Territory)

The elevation of the derrick floor above sea level is **6674** 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)

Spud date 9-29-60. On 9-30-60 Total Depth 300'.
Ran 7 joints 10 3/4", 32.75 # Armo S.W. casing (284')
set at 298'w/ 350 sks. 50-50 Pozmix, 2 # BA-5 circulated
to surface.
Held 600 #/30 minutes.



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

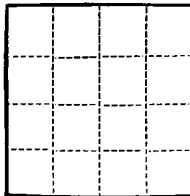
Company **El Paso Natural Gas company**

Address **Box 990**

Farmington, New Mexico

By **ORIGINAL SIGNED H.E. McANALLY**

Title **Petroleum Engineer**



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **079004**
Unit **San Juan 32-3**

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	Water Frac.

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

October 20

1960

Well No. **13-2** is located **1180** ft. from **XXN** line and **800** ft. from **XXE** line of sec. **9**

SW/4 Sec. 9 **31-N** **8-W** **N.M.P.M.**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco Mesa Verde **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6574** 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)

10-11-60 Total Depth 6084. C.O.T.D. 6006.
Water fractured Point ; leakout perforated intervals w/2 STP @ 5856-62;
5866-72, 5884-96, 5910-16, 5924-30, 5948-48, 5958-74 with 60,000 gallons water
and 60,000 # sand. Breakdown pressure 2800 #, maximum pressure 1700 #,
average treating pressure 1300 #. Injection rate 53.6 B.P.M. Flush 9660
gallons. Dropped 6 sets of balls for 7 stages.



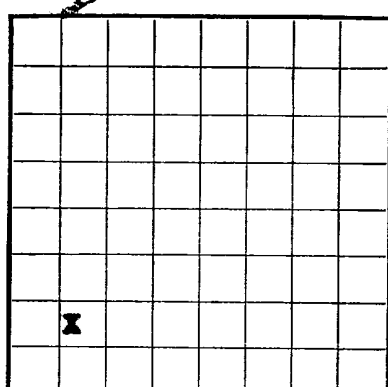
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Company**

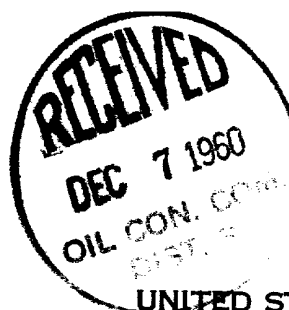
Address **Box 990**
Farmington, New Mexico

By **Original Signed D. W. Meehan**

Title **Petroleum Engineer**



LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4
Approval expires 12-31-60.U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **079004**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 930, Farmington, New Mexico**
Lessor or Tract **San Juan 30-6 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **13-9** Sec. **9** T. **31-N** R. **8W** Meridian **N.M.P.M.** County **San Juan**

Location **1180** ft. [N.] of **8** Line and **800** ft. [E.] of **W** Line of **Sec. 9** Elevation **6674**
(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 H.E. MCANALLY**

Date **November 30, 1960** Title **Petroleum Engineer**

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

Commenced drilling **9-29-**, 19**60** Finished drilling **10-9-**, 19**60**

OIL OR GAS SANDS OR ZONES

No. 1, from **3200** to **3300** ft. (Denote base of zone)
No. 2, from **3300** to **3400** ft.
No. 3, from **3400** to **3500** ft.

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"	38.75	8	2-55	500					prod liner
7 5/8"	23.5	8	2-55	500					prod tubing
5 1/2"	13.5	8	2-55	500					
2"	4.7	8	2-55	500					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	298	350	circulated		
7 5/8"	378	12	single stage		
5 1/2"	378-600	20	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 **378** feet, and from **378** feet to **6090** feet

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

DATES

Put to producing _____, 19**60**

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 **3,815,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1118** **A.O.F. 4489 MW/D**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2723	2723	tan to gry cr-gra ss interbedded w/gry sh.
2723	2880	157	to Alamo ss. White cr-gra s.
2880	3242	362	thin bedded tan gry sh interbedded w/tight gry fine-gra ss
3242	3587	345	thin bedded tan gry carb sh, scattered coals, coals and gry, tight, fine-gra ss
3587	3675	88	thin bedded tan gry, fine-gra, tight, varicolored soft ss
3675	5480	1805	tan to gry, fine-gra, dense sil ss
5480	5532	52	Cliff House ss gry, fine-gra, dense sil ss
5532	5853	321	thin bedded tan gry, fine-gra s, carb sh & coal
5853	6000	147	thin bedded tan gry very fine sil ss w/frequent sh breaks
6000	6090	90	tan to gry carb sh

FORMATION RECORD—Continued

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER
U.S. LAND OFFICE
Sent to
00004

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

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 _____

_____, Secretary of the Company

Location _____ of _____ line and _____ of _____ line of _____ Sec. _____ of _____ Township _____ Range _____ of _____

Well No. _____ Sec. _____ T. _____ R. _____

Lessor or Third Party _____

Company _____

Address _____
_____ State _____

Completed drilling 7-27-1957
The summary on this page is for the condition of the well at above date.
100
Finished drilling 10-2-1957
100
Date: August 30, 1957
Title: Petroleum Reservoir

[illegible]

IMPORTANT WATER SANDS

CASING RECORD

Coastal	Size	Depth	Thrust	Stroke	Amount	Kind of stroke	Cut and pulled from	From -	To -	Purpose
1915	12.5	8.5	1-2	5.5						
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, and the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was added, detached, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots, or bridges were put in to test the water, state kind of material used, position, and results of pumping or bailing.										

MURDINE AND CEMENTING RECORD

Case	Where set	Number sacks of cement	Method used	Mud stage?	Amount of mud used
10	1500-3500	200	Single stage		
11	975	100	Double stage		
12	200	200	Double stage		

PLUGS AND ADAPTERS

Heaving plug—Material	_____	Length	_____	Depth set	_____
Adaptors—Material	_____	Size	_____		

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0	feet to 3 1/2	feet and from 3 1/2	feet to 100
Cable tools were used from	feet to	feet and from	feet to

ZETAC

Rock pressure, lbs. per sq. in.	10-15
It gas well, cu. ft. per 24 hours, 215,000	10-15
Emulsion; % water; and % sediment.	10-15
Gravity, °Bé.	10-15
Gallons gasoline per 1,000 cu. ft. of gas	10-15
Put to producing	10-15

EMPLOYEES

Driller	Driller	
Driller	Driller	

INFORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Manos form grey sand sh	30	2000	1000
W/fragment sh breaks			
Point Lookout form grey, fine sil ss	100	2000	1900
Manos form grey, fine-gran s, sand sh & coal	20	2000	1980
Cliff House ss grey, fine-gran, dense sil ss	50	2000	1930
Lower form grey, fine-gran, dense sil ss	1000	2000	1900
Unconsolidated soil ss			
Flattened cliffs form grey, fine-gran, light,	30	2000	1970
coals and grey, light, fine-gran ss			
Franklin form grey sand sh, scattered coals,	30	2000	1940
fine-gran ss			
Franklin form grey sh interbedded w/light grey	30	2000	1910
0 to 1000 ss. White cr-gran s.	100	2000	1810
Man to grey cr-gran ss interbedded w/grey sh.	200	2000	1800

FORMATION RECORD—Continued