

U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **078999**  
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 990, Farmington, New Mexico**  
Lessor or Tract **San Juan 31-6** Field **Blanco Mesa Verde** State **New Mexico**  
Well No. **23** Sec. **34** T. **31N** R. **6W** Meridian **N.M.P.M.** County **Rio Arriba**  
Location **1650** ft. **XX** of **N** Line and **1550** ft. **XX** of **W** Line of **Section 34** Elevation **6522**  
(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. ORIGINAL SIGNED H.E. McANALLY  
Signed \_\_\_\_\_

Date **December 14, 1962** Title **Petroleum Engineer**

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

Commenced drilling **9-8**, 19 **62** Finished drilling **9-27**, 19 **62**

**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **5510** to **5786 (G)** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **5786** to **5955 (G)** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **5955** to **6007 (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-	
9 5/8"	32.3	8 rd	H-40	306	REINCO				Surface
7"	20-32-26	8 rd	H-80, J-55	3634	Baker				Intermediate
4 1/2"	10.5	8 rd	J-55	2486	Baker				Liner
1 1/4"	2.33	8 rd	J-55	5882	Baker				Prod tubing

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	318	230	circulated		
7"	3644	336	single		
4 1/2"	3517-6007	190	single		

**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
Perf 5888-24, 5840-46, 5818-24, 5799-2805, 5780-86 (2 SFF);						FRAC w/71,000 gallons water, 72,000# sand. Flush w/8000 gallons water. IR 53.5 BPM. Max pr 3000#, BDP 500#, tr pr 1300-3900#. 5 drops of 12 balls.

**TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to **6007** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

**10-26**, 19 **62** 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 **4,346,000** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. **1104 tbq.** A.O.F. **4819**

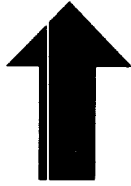
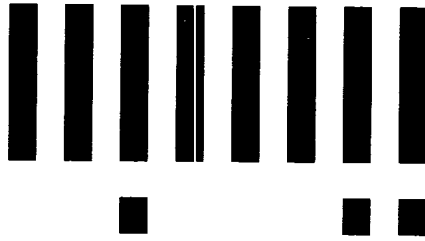
**EMPLOYEES**

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

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
0	5420	5420	Tan to gry cr-grn ss interbedded w/gry sh.
5420	5510	90	Cliff House ss. Gry, fine-grn, dense sil ss.
5510	5786	276	Mensfee form. Gry, fine-grn, s. carb sh & coal.
5786	5955	169	Point Lookout form. Gry, very fine sil ss w/freq. sh breaks.
5955	6007	52	Mancos form. Gry carb sh.





**LTR**

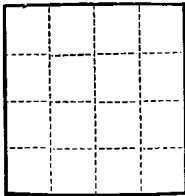


**Job separation sheet**

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. 078999  
Unit San Juan 31-6



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
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)

October 4, 1952

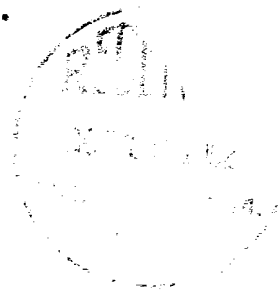
Well No. 23 is located 1650 ft. from N line and 1550 ft. from E line of sec. 34  
NE Section 34 31-N S-W N.M.P.M.  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Blanco Mesa Verde Rio Arriba New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3522 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)

On 9-27-62 T.D. 6011'. Ran 67 joints 4 1/2" 10.5# J-55 casing (2435') set from 3517 to 6007'. Cemented w/190 sacks regular, 12 1/2# fine gilsonite. Held 1500#/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