Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079393
LEASE OR PERMIT TO PROSPECT

RECEIVED
NOV 14 1961
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 27-5 Unit Field Blanco Mesa Verde State New Mexico
Well No. 60 Sec. 4 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N. of N Line and 1060 ft. W. of E Line of Section 4 Elevation 6543 (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 J. W. Mecham

Date November 7, 1961 Title Petroleum Engineer

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

Commenced drilling 9-29-, 1961 Finished drilling 10-7-, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5123 to 5184 (G) No. 4, from to
No. 2, from 5184 to 5540 (G) No. 5, from to
No. 3, from 5540 to 5745 (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 From—	Perforated To—	Purpose
9 5/8"	32.3	8 rd	H-40	123	BOWCO				Surface
7"	20	8 rd	J-55	3608	Baker				Intermediate
4 1/2"	10.5	8 rd	J-55	2223	Baker				Liner
2 3/8"	4.7	8 rd	J-55	5654	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"	135	120	circulated		
7"	3619	130	single stage		
4 1/2"	5737-3515	210	single stage		

MARK

FOLD

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
See Well History						

TOOLS USED

Rotary tools were used from 0 feet to 3620 feet, and from 3620 feet to 5745 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

10-27-, 1961 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 4,670,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1118 (casing) A.O.F. 9583 MCF/D

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2710	2710	Tan to gry cr-grn ss interbedded w/gry sh.
2710	2882	172	Ojo Alamo ss. White cr-grn s.
2882	3092	210	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3092	3367	275	Fruitland form. Gry carb sh, scattered coals, coals and gyr, tight, fine-grn ss.
3367	3530	163	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3530	5123	1593	Lewis form. Gry, fine-grn, dense sil ss.
5123	5184	61	Cliff House ss. Gry, fine-grn, dense sil ss.
5184	5540	356	Menefee form. Gry, fine-grn s, carb sh & coal.
5540	5745	205	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.

5494-5502;5526-34;5560-68; 5583-87;5594-98;5602-06; 5612-16;5646-50	Frac Point Lookout w/67,100 gal water, 65,000# sand. Flush 8000 gal water. I.R. 53 BPM max pr 2900#, BDP 2700-1500#, tr pr 1700-1800-1900-2000-2900#.
5124-28;5152-56; 5170-78	Frac Cliff House w/42,000 gal water, 40,000# sand. Flush 8000 gal water. I.R 49 BPM. max pr 2900#, BDP 2900-2000#, tr pr 2000-2100-2400#.