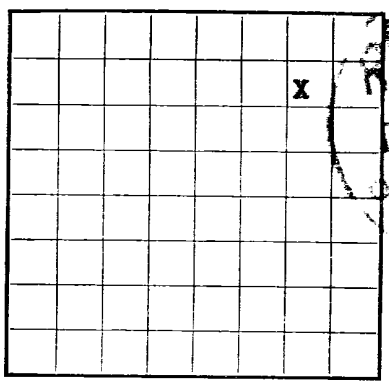
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079051-A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Compan y Address Box 990, Farmington, New Mexico

Lessor or Tract San Juan 28-6 Unit Field Wildcat Dakota State New Mexico

Well No. 98 Sec. 3 T 27-N R. 6-W Meridian N.M.P.M. County Rio Arriba

Location 1115 ft. {N.} of N Line and 890 ft. {E.} of E Line of Section 3 Elevation 6334
(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

Date December 13, 1960 Title Petroleum Engineer

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

Commenced drilling 8-22-, 19 60 Finished drilling 9-27-, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to 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
10 3/4"	32.75	P.E.	B.W.	281'	Howco				surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	293	310	circulated		

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 7660 feet, and from feet to feet

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

DATES

P & A 9-29-, 19 60 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 P & A Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2310	2310	Tan to gry cr-grn ss interbedded w/gry sh.
2310	2488	178	Ojo Alamo ss. White cr-grn s.
2488	2737	249	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
2737	3078	341	Fruitland form. Gry carb sh,scattered coals, coals and gry, tight, fine-grn ss.
3078	3150	72	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
3150	4720	1570	Lewis form. Gry,fine-grn, dense sil ss.
4720	4852	132	Cliff House ss. Gry, fine-grn,dense sil ss.
4852	5258	406	Menefee form. Gry, fine-grn s, carb sh & coal.
5258	5407	149	Point Lookout form. Gry very fine sil ss w/ frequent sh breaks.
5407	6254	847	Mancos form. Gry carb sh.
6254	6964	710	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg.interbed sh.
6964	7198	234	Sanostee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg.
7198	7262	64	Greenhorn form. Highly calc gry sh w/thin lmst.
7262	7409	147	Graneros form. Dk gry sh, fossil & carb w/prite incl.
7409	7615	206	Dakota formlt. to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & sh breaks.
7615	7660	45	Morrison form. Interbed grn brn & red waxy sh & fr to ct grn sd.

(OVER)

16—43094-4

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.

On 9-29-60 Total Depth 7660

This well was Plugged and Abandoned in the following manner:

1. Set 140 sks. plug 7660-7260
2. Set 40 sks plug 6300-6200
3. Set 40 sks plug 5450-5350
4. Set 40 sks plug 4770-4670
5. Set 80 sks plug 3200-3000
6. Set 80 sks.plug 2500-2300

A 4' x 4" Dry hole marker was set in a 30 sk surface plug.

Core No. 1: 7286-7312 Rec. 27'
Core No. 2: 7312-7337 Rec. 25'
Core No. 3: 7389-7413 Rec. 23.3'
Core No. 4: 7413-7449 Rec. 36'
Core No. 5: 7449-7461 Rec. 9'
Core No. 6: 7461-7475 Rec. 14.5'
Core No. 7: 7475-7480 Rec. 4.25'
Core No. 8: 7480-7496 Rec. 12.3'