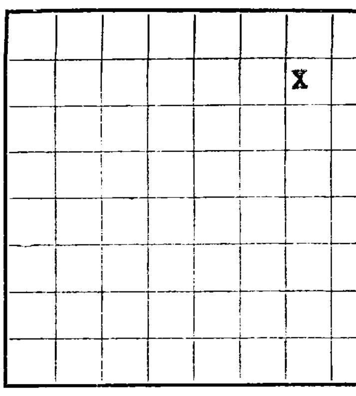
Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Santa Fe
Serial Number 079487-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 Company Address Box 997, Farmington, New Mexico

Lessor or Tract San Juan 30-4 Unit Field Wildcat State New Mexico

Well No. 2 Sec. 19 T. 30N R. 4W Meridian NMPM County Rio Arriba

Location 667 ft. N. of N Line and 833 ft. E. of E Line of Section 19 Elevation 7522' (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 E S Oberly

Date December 14, 1954 Title Petroleum Engineer

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

Commenced drilling June 23, 1952 Finished drilling August 2, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4251 to 4290 (G) No. 4, from 6632 to 6684 (G)
No. 2, from 6382 to 6438 (G) No. 5, from to
No. 3, from 6438 to 6632 (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	25.4	S. W.	Armco	332	Armco				Surface
7	23	8 RD	J-55	6270	Texco				Prod.Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	347	250	Circulated		
7	6280	300	Single Stage		

OIL CON. COM.
DIST. 3

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
t.	Reg.	SNG	1110	10-8-52	6378-6748	6684

TOOLS USED

Rotary tools were used from 0 feet to 6748 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

T-A November 18, 1953 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 T-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	805	805	Tan cr-grn ss w/thin sh breaks.
805	1610	805	Variegated sh w/thin ss breaks.
1610	3608	1998	Tan to gry cr-grn ss interbedded w/gry sh.
3608	3812	204	Ojo Alamo ss. White cr-grn s. Top 3608'.
3812	4120	308	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. Top 3812'/
4120	4251	131	Fruitland form. Gry carb sh, scattered coals coals and gry,tight,fine-grn ss. Top 4120'.
4251	4290	39	Pictured Cliffs form. Gry, fine-grn,tight,varicolored soft ss. Top 4251'.
4290	6382	2092	Lewis form. Gry to white dense sh w/silty to shaly ss breaks. Top 4290'.
6382	6438	56	Cliff House ss. Gry, fine-grn, dense sil ss. Top 6382'.
6438	6632	194	Menefee form. Gry, fine-grn s, carb sh and coal. Top 6438'.
6632	6748	116	Point Lookout form. Gry, very fine sil ss w/ frequent sh breaks. Top 6632.

FOLD | MARK

[OVER]

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.

Well History San Juan 30-4 Unit #2.

6-28-52 Spud date. Great Western Drilling Company Rig #29.

6-29-52 Ran 9 joints 9 5/8", 25.4# Armco spiral weld casing (332') set at 347' with 250 sacks regular cement circulated to surface. Held 500# 30 minutes.

7-11-52 DST #1 3640-3750 op 2 hr, gd bl air immed, cont. thr-out test. No gas, rec 60' drlg mud. IFP - 200#, FFP - 820#, BHSIP 1040#, Hydro 1920#.

7-13-52 DST #2 3765-3885, op 1½ hr. GBAI, cont thru-out. No gas SI 30 min. Rec 30' DM. 1100' sulfur H20; IFP 0#, FFP 540#, BHSIP - 90#, Hydro - 2100#.

7-15-52 DST #3 4254-4365 G to surface 8 min. op 1 hr, SI 30 min. Rec. 90' DM. ggd 120 MCF in 10 min. 44 MCF 20 min. TSTM there after. IFP - 100#, FFP - 25#, BHSIP - 950#, Hydro 2575#.

7-16-52 T.D. 4472. Lost circulation.

7-17-52 DST #4 4365-4472 op 1 hr. GBAI, cont thru-out tst. No gas, SI 30 min. rec. 3555' DM & H20 Sh G cut. IFP 1375#, FFP-1925#, BHSIP 2125#, Hydro 2400#.

7-18-52 DST #5 misrun packer failure.
DST #6 Misrun packer failure.

7-19-52 DST #7 Misrun packer failure. Rec 2410' DM.

7-20-52 DST #8 4359-4575 op 1½ hr. GBAI, died 1 hr 20 min. no gas, SI 30 min. Rec 1700' DM, 400' H20. IFP 760#, FFP 1040#, BHSIP 1620#, Hydro 2200#.

7-20-52 Ran Schlumberger logs.

7-23-52 Lost circulation @ 5254.

7-25-52 Lost circulation @ 5566'.

7-28-52 Lost circulation @ 6174'.

7-31-52 DST #9 6375-6500 op 3 hrs. GBAI, cont thru-out tst. No gas, SI 30 min. rec 80' G-C-M. IFP - 0#, FFP - 0#, BHSIP - 250#, Hydro 3500#.

8-1-52 DST #10 Misrun packer failure.

8-2-52 T.D. 6748' lost circulation.

8-3-52 Regained circulation & ran Schlumberger.

8-4-52 Schlumberger hit bridge. Pulled Sj. out went in hole, lost circulation.

8-5-52 Regained circulation. Attempted to run Sj. failed, hole bridged @ 1396'.

8-6-52 Drilling bridge, ran Sj. (ES-ML) to 6748'.

8-8-52 Ran 184 jts. 7", 23# J-55 csg. (6270') set @ 6280' w/300 sks. reg. cement & 2 sx. flocele. Top cement by temp survey @ 5575'. Held 1000# for 30 minutes.

8-9-52 Great Western Drlg. Co. Rig #29 tearing down and moving off.

8-20-52	Well Incorporated Rig No. 1 moving in and rigging up. Moving & working on rig from 8-20-52 to 8-31-52.
9-1-52	Bailing from 2500' to 4000'.
9-3-52	Top of plug @ 6240'.
9-4-52	Broke drilling line wo/fishing tools.
9-5-52	Rec. fish. Drilling plug.
9-6-52	Cleaning out, drilling and bailing from 9-6-52 to 9-11-52. T.D. 6748'.
9-12-52	Hole caving, bailing mud and cleaning out from 9-12-52 to 9-27-52. T.D. 6748'.
9-30-52	Fishing for sand pump. Rec. same.
10-1-52	Cleaning out and bailing 10-1-52 to 10-4-52.
10-4-52	Well ggd 10 MCF natural.
10-6-52	Gaged 27 MCF.
10-8-52	Shot well w/1110 qts. SNG from 6378 to 6748'.
10-11-52	Set Xmas tree on well. Well Incorporated Rig No. 1 tearing down and moving off.
11-1-53	Barron Drilling Co. Rig No. 1 moving in and rigging up for gas clean out.
11-4-53	Reaming and blowing well.
11-7-53	Blowing well and cleaning out shot hole.
11-17-53	Tested well 80 MCF. Cleaned out to 6684'.
11-18-53	Barron Drilling C . Rig #1 tearing down and moving off location. Hole temp. abandoned in Mesa Verde formation.