

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079487-A**
LEASE OR PERMIT TO PROSPECT

[illegible]

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

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.

Date December 14, 1954 Signed E. S. Oberly 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

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	620	300	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
4 in.	Reg.	3NG	1110	10-8-52	6378-6748	6684

TOOLS USED

Rotary tools were used from _____ 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,~~ 19~~53~~ 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, vari-colored 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'.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 03-21-01 BY 60322 UCBAW

A-784970

...GEORGE GAZAL, 2, 11

SECRET

LEAVE OF ABSENCE

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 _____

Location _____ of _____ Mine and _____ R. W. [] of _____ Mine of _____ Township _____ County _____ State _____

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

Lessor or Grantor _____

Address _____ City _____ State _____

Company _____

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

 Date _____

ON OR GAS SANDS OR JOINTS

Quilley and others (1997)

to	from	to	from
to	from	to	from
to	from	to	from
to	from	to	from

IMPOUNDMENT WATERS 24113

..... to	 from	 to	 from
..... to	 from	 to	 from

CASTING RECORD

Order number	Material description	Quantity	Unit of measure	Unit price	Total price	Remarks
1	Steel plate	100	kg	1.20	120.00	
2	Steel plate	50	kg	1.20	60.00	
3	Steel plate	25	kg	1.20	30.00	
4	Steel plate	10	kg	1.20	12.00	
5	Steel plate	5	kg	1.20	6.00	
6	Steel plate	2	kg	1.20	2.40	
7	Steel plate	1	kg	1.20	1.20	
8	Steel plate	0.5	kg	1.20	0.60	
9	Steel plate	0.2	kg	1.20	0.24	
10	Steel plate	0.1	kg	1.20	0.12	
11	Steel plate	0.05	kg	1.20	0.06	
12	Steel plate	0.02	kg	1.20	0.02	
13	Steel plate	0.01	kg	1.20	0.01	
14	Steel plate	0.005	kg	1.20	0.00	
15	Steel plate	0.002	kg	1.20	0.00	
16	Steel plate	0.001	kg	1.20	0.00	
17	Steel plate	0.0005	kg	1.20	0.00	
18	Steel plate	0.0002	kg	1.20	0.00	
19	Steel plate	0.0001	kg	1.20	0.00	
20	Steel plate	0.00005	kg	1.20	0.00	
21	Steel plate	0.00002	kg	1.20	0.00	
22	Steel plate	0.00001	kg	1.20	0.00	
23	Steel plate	0.000005	kg	1.20	0.00	
24	Steel plate	0.000002	kg	1.20	0.00	
25	Steel plate	0.000001	kg	1.20	0.00	
26	Steel plate	0.0000005	kg	1.20	0.00	
27	Steel plate	0.0000002	kg	1.20	0.00	
28	Steel plate	0.0000001	kg	1.20	0.00	
29	Steel plate	0.00000005	kg	1.20	0.00	
30	Steel plate	0.00000002	kg	1.20	0.00	
31	Steel plate	0.00000001	kg	1.20	0.00	
32	Steel plate	0.000000005	kg	1.20	0.00	
33	Steel plate	0.000000002	kg	1.20	0.00	
34	Steel plate	0.000000001	kg	1.20	0.00	
35	Steel plate	0.0000000005	kg	1.20	0.00	
36	Steel plate	0.0000000002	kg	1.20	0.00	
37	Steel plate	0.0000000001	kg	1.20	0.00	
38	Steel plate	0.00000000005	kg	1.20	0.00	
39	Steel plate	0.00000000002	kg	1.20	0.00	
40	Steel plate	0.00000000001	kg	1.20	0.00	
41	Steel plate	0.000000000005	kg	1.20	0.00	
42	Steel plate	0.000000000002	kg	1.20	0.00	
43	Steel plate	0.000000000001	kg	1.20	0.00	
44	Steel plate	0.0000000000005	kg	1.20	0.00	
45	Steel plate	0.0000000000002	kg	1.20	0.00	
46	Steel plate	0.0000000000001	kg	1.20	0.00	
47	Steel plate	0.00000000000005	kg	1.20	0.00	
48	Steel plate	0.00000000000002	kg	1.20	0.00	
49	Steel plate	0.00000000000001	kg	1.20	0.00	
50	Steel plate	0.000000000000005	kg	1.20	0.00	
51	Steel plate	0.000000000000002	kg	1.20	0.00	
52	Steel plate	0.000000000000001	kg	1.20	0.00	
53	Steel plate	0.0000000000000005	kg	1.20	0.00	
54	Steel plate	0.0000000000000002	kg	1.20	0.00	
55	Steel plate	0.0000000000000001	kg	1.20	0.00	
56	Steel plate	0.00000000000000005	kg	1.20	0.00	
57	Steel plate	0.00000000000000002	kg	1.20	0.00	

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 testing.

HISTORY OF OIL OR GAS WELL

BUILDING AND DEVELOPING A TEAM

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING BUTCHERS

[illegible]

0321 250 15

Rotary tools were used from	feet to	feet and from	feet to
able tools were used from	feet to	feet and from	feet to

2374

It was well on its way to the production for the first 24 hours was insulation; 8% water; and 1% solvent.	But to production barrels of fluid of which 6% was oil; 1% solvent; and 3% water.
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REFERENCES

Actual		Planned	
Planned		Actual	

090743 KOTELAROV

[illegible]

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# Araco 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 lined, cont. thr-out test. No gas, rec 60' drlg mud. IFF - 200#, FFP - 820#, BHSIP 1040#, Hydro 1920#.
- 7-13-52 DST #2 3765-3885, op 1 1/2 hr. GRAI, cont thru-out. No gas SI 30 min. Rec 30' IM. 1100' sulfur H2O; IFF 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' IM. gnd 120 MCF in 10 min. 44 MCF 20 min. THEN there after. IFF - 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. GRAI, cont thru-out tst. No gas, SI 30 min. rec. 3555' IM & H2O Sh G cut. IFF 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' IM.
- 7-20-52 DST #8 4359-4575 op 1 1/2 hr. GRAI, died 1 hr 20 min. no gas, SI 30 min. Rec 1700' IM, 400' H2O. IFF 760#, FFP 1040#, BHSIP 1620#, Hydro 2200#.
- 7-20-52 Ran Schlumberger logs.
- 7-23-52 Lost circulation @ 5254.
- 7-25-52 Lost circulation @ 5366'.
- 7-28-52 Lost circulation @ 6174'.
- 7-31-52 DST #9 6375-6500 op 3 hrs. GRAI, cont thru-out tst. No gas, SI 30 min. rec 80' G-C-M. IFF - 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. floccs. 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.

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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 w/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. SWG 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 Co. Rig #1 tearing down and moving off location.
 Hole temp. abandoned in Mesa Verde formation.

