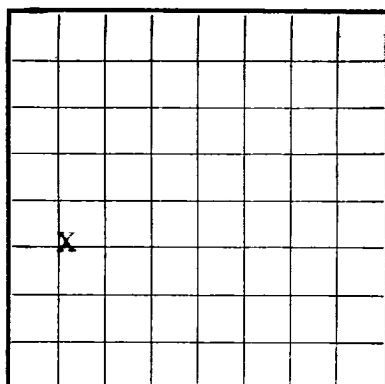


U. S. LAND OFFICE SF
SERIAL NUMBER 080384-B
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address P. O. Box 1565, Farmington, New Mexico
Lessor or Tract Hickman Field Undesignated State New Mexico
Well No. 2-A Sec. 3 T. 26-N R. 12-W Meridian NMPM County San Juan
Location 1980 ft. [N.] of S Line and 660 ft. [E.] of W Line of Sec. 3 Elevation 6049'

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 BY JOSEPH W. ...

Signed ORIGINAL SIGNED BY: JOSEPH E. KREGER

Date February 7, 1958 Title Petroleum Engineer

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

Commenced drilling 12-18, 19 57 Finished drilling 1-10, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5150' to 5187' 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		Purpose
							From--	To--	
10-3/4"	32.75	PE	S.V.		Baker				Surface
7-5/8"	28.40	8 Rd.	J-55		Baker				Prod. Csg.
5-1/2"	15.50	8 Rd.	J-55		Baker	5150'	5187'		Prod. Liner

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	173'	150	Circulated		
7-5/8"	4104'	250	Single Stage		
5-1/2"	4043'-5264'	200	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____	Length _____	Depth set _____
Adapters—Material Baker EQ Packer	Size 2-3/8" x 5-1/2" at 5106'	

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See "Remarks"			

TOOLS USED

Rotary tools were used from 0 feet to 5265 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-24	19 58	Put to producing	1-28	19 58
------	-------	------------------	------	-------

The production for the first 24 hours was 244 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé 86 API 39.6°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

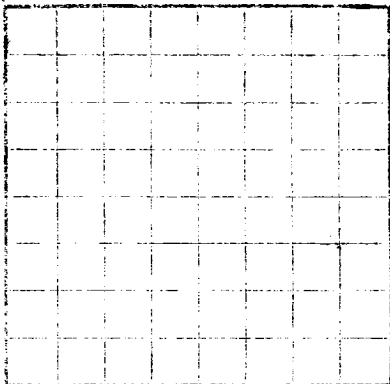
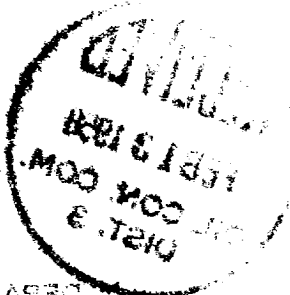
_____, Driller

_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	175	175	Interbedded ss and shale.
175	357	182	Ojo Alamo ss. White cr-gr sand.
357	1069	712	Kirtland form. Gry sh interbedded w/tight gry fn-gr ss.
1069	1360	291	Fruitland form. Gry carb sh, scattered coals, coals & gry, tight, fn-gr ss.
1360	1620	260	Pictured Cliffs form. Gry, fn-gr tight, vari-colored soft ss.
1620	2204	584	Lewis form. Gry to shite dense sh. w/silty to shaly ss breaks.
2204	3850	1646	Mesa Verde form. Gry, fn-gr, dense silty ss., carb. sh. & coal.
3850	4070	220	Point Lookout form. Gry. very fine silty ss w/frequent sh. breaks.
4070	4926	856	Mancos form. Gry. carb. sh.
4926	5265	339	Gallup form. Lt. gry to brn calc carb micac glauco very fn-gry ss w/irreg. interbedded sh.
Tops are from Electric Logs and Radioactivity Logs.			

Tops are from Electric Logs and Radioactivity Logs.



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company Name _____
Lessor or Trust _____
Well No. _____ Sec. _____ T. _____ R. _____
Location _____ of _____ line and _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records
Signed _____
Date _____

The summary on this page is for the condition of the well as shown above
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Denote by G)

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____
C.O. 5220' Sandstone lower Gallup perf. interval 5150'-5187',
2 sh./ft. with 39,900 gal. oil and 40,000 gal. sand. BDP - 2200; Max. TP - 1800;
Avg. TP - 1450; IR - 59.5 bpm; Flash 9240 gal. Dropped 37 rubber balls
halfway through treatment.
Total Depth 5264'. Mag. Cement Retainer @ 5232'.
SOF

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 shot or shot, if plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD			
Size casing	Weight per foot	Number sacks of cement	Method used
			Mud weight
			Amount of mud used
PLUGS AND ADAPTERS			
Size	Weight per foot	Depth set	Depth from casing
SHOOTING RECORD			
Size	Weight per foot	Depth set	Depth from casing
TOOLS USED			
DATE			
EMPLOYEES			
FORMATION RECORD			
FROM	TO	TOTAL FEET	FORMATION
0	10	10	Gravel
10	20	20	Sand
20	30	30	Clay
30	40	40	Shale
40	50	50	Sandstone
50	60	60	Clay
60	70	70	Sand
70	80	80	Shale
80	90	90	Gravel
90	100	100	Sand
100	110	110	Clay
110	120	120	Sandstone
120	130	130	Shale
130	140	140	Sand
140	150	150	Clay
150	160	160	Sandstone
160	170	170	Shale
170	180	180	Sand
180	190	190	Clay
190	200	200	Sandstone
200	210	210	Shale
210	220	220	Sand
220	230	230	Clay
230	240	240	Sandstone
240	250	250	Shale
250	260	260	Sand
260	270	270	Clay
270	280	280	Sandstone
280	290	290	Shale
290	300	300	Sand
300	310	310	Clay
310	320	320	Sandstone
320	330	330	Shale
330	340	340	Sand
340	350	350	Clay
350	360	360	Sandstone
360	370	370	Shale
370	380	380	Sand
380	390	390	Clay
390	400	400	Sandstone
400	410	410	Shale
410	420	420	Sand
420	430	430	Clay
430	440	440	Sandstone
440	450	450	Shale
450	460	460	Sand
460	470	470	Clay
470	480	480	Sandstone
480	490	490	Shale
490	500	500	Sand
500	510	510	Clay
510	520	520	Sandstone
520	530	530	Shale
530	540	540	Sand
540	550	550	Clay
550	560	560	Sandstone
560	570	570	Shale
570	580	580	Sand
580	590	590	Clay
590	600	600	Sandstone
600	610	610	Shale
610	620	620	Sand
620	630	630	Clay
630	640	640	Sandstone
640	650	650	Shale
650	660	660	Sand
660	670	670	Clay
670	680	680	Sandstone
680	690	690	Shale
690	700	700	Sand
700	710	710	Clay
710	720	720	Sandstone
720	730	730	Shale
730	740	740	Sand
740	750	750	Clay
750	760	760	Sandstone
760	770	770	Shale
770	780	780	Sand
780	790	790	Clay
790	800	800	Sandstone
800	810	810	Shale
810	820	820	Sand
820	830	830	Clay
830	840	840	Sandstone
840	850	850	Shale
850	860	860	Sand
860	870	870	Clay
870	880	880	Sandstone
880	890	890	Shale
890	900	900	Sand
900	910	910	Clay
910	920	920	Sandstone
920	930	930	Shale
930	940	940	Sand
940	950	950	Clay
950	960	960	Sandstone
960	970	970	Shale
970	980	980	Sand
980	990	990	Clay
990	1000	1000	Sandstone