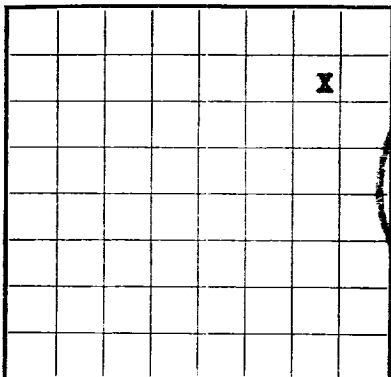
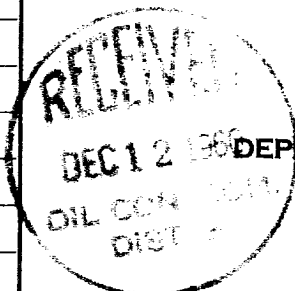




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE
Santa Fe
SERIAL NUMBER 079115

LEASE OR PERMIT TO PROSPECT

RECEIVED
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Tonkin Federal Field W. Kutz Canyon State New Mexico
Well No. 5-1-B Sec. 14 T. 27-N R. 12-W Meridian N.M.P.M. County San Juan
Location 990 ft. N of Line and 990 ft. E of Line of Sec. 14 Elevation 6025
(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 T. E. MURPHYDate December 5, 1960 Title Petroleum Engineer

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

Commenced drilling 1-26-51, 19____ Finished drilling 3-13-51, 19____

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		Purpose
							From—	To—	
15"				42					
5 1/2"				1615		0-1500			prod casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
15"	42	40	circulated		
5 1/2"	1615	90	BOWCO		

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"	113	ONE	270 qts	3-13-51	1632-1745	1745

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 1745 feet, and from _____ feet to _____ feet

DATES

P & A 7-21, 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	42	42	Sd.
42	55	13	Sh.
55	225	170	Sd.
225	275	50	Sh.
275	540	265	Sd.
540	600	60	Sh.
600	625	25	Sd.
625	835	210	Sandy shale
835	855	20	Sd.
855	900	45	Sh.
900	1135	235	Sandy shale
1135	1190	55	Sh.
1190	1200	10	Blue sh.
1200	1210	10	Sh.
1210	1240	30	Bentonite
1240	1390	150	Sh.
1390	1440	50	Grey & Brown sh(coal streaks)
1440	1490	50	Brown sh streaks of coal
1490	1525	35	Sh.
1525	1535	10	Sd.
1535	1550	15	coal, coal gas @ 1540
1550	1568	18	Brown shale
1568	1580	12	Sh & coal
1580	1590	10	Sh.
1590	1605	15	Sd.
1605	1620	15	Sd. Top of P.C. sand.

(OVER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 12 1966
OIL COMPANY
DIST.

100 90 80 70 60 50 40 30 20 10 0

1. The first condition is that the system must be in a state of equilibrium. This means that the system must be at rest and not moving. If the system is moving, then it is not in equilibrium and the laws of physics do not apply. This is why we can only use the laws of physics to describe the motion of objects that are at rest or moving at a constant velocity.

1. The following information is being furnished to you for your information only. It is not to be used for any other purpose.

1. Set cement plug from 1600 to total depth.
2. Cut casing at 1500, & pulled.
3. Set 20 lbs cement on casing string
4. Set 4" x 4" pipe as permanent marker.

7-21-60

04/1-2507 15-11-3 00 340 . 525 0/2 1048

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 "disconnected" 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 balling.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD-Continued