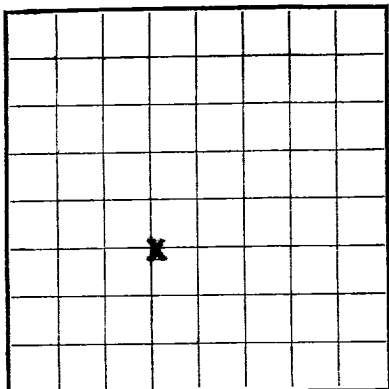
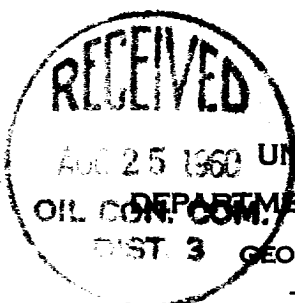




LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1560, Farmington, New Mexico
Lessor or Tract Ojo Amarillo Field Undesig. Gallup State New Mexico
Well No. 4 Sec. 27 T. 29N R. 14W Meridian NMPM County San Juan
Location 1980 ft. N. of S. Line and 1980 ft. E. of W. Line of Section 27 Elevation 5707'
(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 BY: JOSEPH E. KREGER

Date August 22, 1960 Title Petroleum Engineer

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

Commenced drilling June 23, 19 60 Finished drilling July 7, 19 60

OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from 5238' to 5250' No. 5, 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. 2, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD									
Size casing	Weight per foot	Threads per foot	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose	
						From	To		
9-5/8"	33.60	1.44	100	100	100				
5-1/2"	18.75	1.44	100	100	100				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	172'	150	Circulated		
5-1/2"	5365'	200	Pump & Plug		

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 5365 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES
_____, 19 60 Put to producing _____, 19 60
The production for the first 24 hours was 400 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100
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
_____, Driller _____, Driller

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	770	770	Kirtland: Gy. sh. lmbd. w/tight gy. FG ss.
770	1144	374	Fruitland: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1144	1300	136	Pictured Cliffs: Gy., FG, tight, varicolored soft ss.
1300	2102	802	Lewis: Gy. to white ds. sh. w/silty to shaly ss. breaks.
2102	3678	1576	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
3678	3930	252	Point Lookout: Gy., v/fa. silty ss. w/freq. shale breaks.
3930	5239	1309	Mancos: Gy. carb. shale.
5239	5365	126	Gallup: Lt. gy. to brn. calc. carb. micac. glauconitic. V/fa. to med. gr. ss. w/irreg. lmbd. shale.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	TOTAL FEET	ELEVATION

 SERIAL NUMBER

 U. S. LAND OFFICE

 14-30-101-37

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 BY: JOSEPH E. KREGER
 Location: _____ of _____ and _____
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian
 Section or Tract _____
 Field _____
 State _____
 County _____
 Address _____
 Company _____

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

Date _____ Title _____

[illegible]

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 "spliced", let in the wall, 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.

Cased Depth	7-3-60	5216-5240	Core 31	Reopened 21 1/2' daily until	To	Purpose
7-5-60	5240-5245	Core 5	Reopened 5' and bailing all	Reopened		
Core 43	7-5-60	5246-5266	Core 39	Reopened 6' and 14' shale		

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
3200	3250	50	Gravelly sand, yellowish, with small pebbles of quartz and chert.
3000	3200	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
2800	3000	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
2600	2800	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
2400	2600	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
2200	2400	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
2000	2200	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
1800	2000	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
1600	1800	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
1400	1600	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
1200	1400	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
1000	1200	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
800	1000	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
600	800	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
400	600	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
200	400	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.
0	200	200	Gravelly sand, yellowish, with small pebbles of quartz and chert.

FORMATION RECORD—Continued