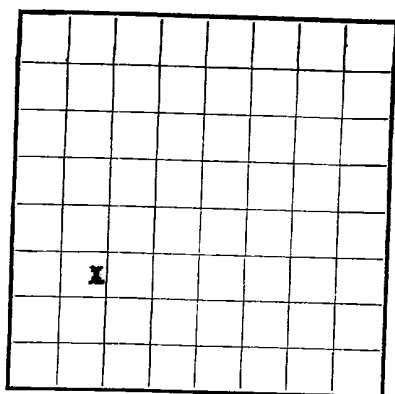




LOCATE WELL CORRECTLY

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 28-6 Unit Field Blanco & Wildcat State New Mexico
Well No. 68(PM) Sec. 13 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1814 ft. N of S Line and 790 ft. E of W Line of Section 13 Elevation 6345'
(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 D. C. JohnstonDate October 24, 1957Title Petroleum Engineer

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

Commenced drilling 8-14, 19 57 Finished drilling 8-30, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3047 to 3135 (G) No. 4, from 5200 to 5371 (G)
No. 2, from 4688 to 4813 (G) No. 5, from _____ to _____
No. 3, from 4813 to 5200 (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—	
10 3/4	32.75	P. E.	S. W.	161'	Howe				Surface
7 5/8	28.5	8 Rd.	Howe	161'	Howe				Prod. Casing
5 1/2	19.5	8 Rd.	Howe	161'	Howe				Prod. Liner
2	4.7	8 Rd.	J-55 H2	5060'	OR OF CY2 METT				Prod. Tubing
1 1/4	2.3	8 Rd.	Grade "B"	3100'					Stylcon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	174'	200	Circulated		
7 5/8	3255'	500	Single Stage		
5 1/2	3203-5483	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker "BJ" Packer @ 3216'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 175 feet to 3255 feet, and from 3255 feet to 5484 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

9-7, 1957 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.C. 1,738,000 Gallons gasoline per 1,000 cu. ft. of gas _____
M.V. 1,336,000

Rock pressure, lbs. per sq. in. 1104 (MV) A.O.P. = P. C. 1767 MCP/D
M. V. 6376

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2322	2322	Tan to gry cr-grn ss interbedded w/gry sh.
2322	2542	220	Ojo Alamo ss. White cr-grn s.
2542	2892	350	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2892	3047	155	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3047	3135	88	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3135	4688	1553	Levis formation. Gry to white dense sh v/silty to shaly ss breaks.
4688	4813	125	Cliff House ss. Gry, fine-grn, dense sil ss.
4813	5200	387	Manatee form. Gry, fine-grn s, carb sh & coal.
5200	5371	171	Point Lockout form. Gry, very fine sil ss w/frequent sh breaks.
5371	5484	113	Nanceo formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

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.

9-3-57 C.O.T.D. 5400'. Perf. w/225/ft. 5172-90; 5038-50; 5072-54; 5095-5200; 5115-54; water frac. Point Lookout w/60,000 gal. water, 60,000 sand, flush w/10,000 gal. water. IR 71.2-5000; 72-none. tr. pr. 1500; 5109; 2250, max. pr. 3000. 9 stages - dropped 20 balls 8 times. OK COM COPY

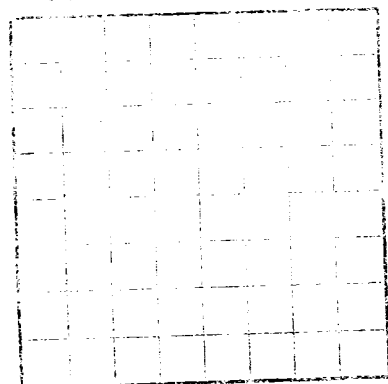
9-3-57 B. P. @ 4970. Perf. w/225/ft. Int. 4688-96; 4744-64; 4800-96; 4800-4900. Water frac. Cliff House w/60,000 sand, 60,000 gal. water, flush w/10,000 gal. water. IR 65.7-5000; 66-2400; tr. pr. 1800; 1950, 2000, max. pr. 3000. 6 stages - dropped 20 balls 5 times.

9-3-57 B. P. 3900. Perf. w/225/ft. Int. 3060-70; 3080-3116; water frac. Cliff w/33,000 gal. water, 40,000 sand, flush w/7000 gal. water. 1700; tr. pr. 1300, max. pr. 1500.

OUT OF GYM HOURS OF 10:15

[illegible][illegible][illegible]

ГОСУДАРСТВЕННОЕ УЧРЕЖДЕНИЕ



FOG OF OIL ON CASE MERT

БЕЛОГОРИЧНИ СТЕПЕЛ

DEPARTMENT OF THE INTERIOR
UNITED STATES

DEPT. OF DEFENSE, HQ B-1000
 DEPT. OF DEFENSE
 DEPT. OF DEFENSE