2nd Work-Over

Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078249
LEASE OR PERMIT TO PROSPECT

RECEIVED
DEC 23 1955
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico

Lessor or Tract Hill Field Wildcat State New Mexico

Well No. 1 Sec. 20 T. 26N R. 12W Meridian NMPM County San Juan

Location 660 ft. {S.} of N Line and 660 ft. {W.} of E Line of Section 20 Elevation 6030
(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 W. F. Court

Date October 27, 1955 Title Petroleum Engineer

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

Commenced drilling July 13, 19 52 Finished drilling September 5, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1160 to 1270 (G) No. 4, from 3691 to 3817 (G)

No. 2, from 3067 to 3162 (G) No. 5, from 5678 to 5895 T.D. (G)

No. 3, from 3162 to 3691 (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 From—	Perforated To—	Purpose
13 3/8"	55#	8 RD	J-55	143'	Tex. Pat.				Surface
7"	23#	8 RD	J-55	1088'					
7"	20#	8 RD	J-55	4173'	Baker				Prod. Csg.
2"	4.7#	8 RD	J-55	5020					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	143'	200	Circulated		
7	5390'	388	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
		See Well History.				

TOOLS USED

Rotary tools were used from 0 feet to 5895 feet, and from feet to feet

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

DATES

9-15-55, 19 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 382,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1341

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	862	862	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
862	1160	198	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
1160	1270	110	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
1270	3067	1797	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3067	3162	95	Cliff House ss. Gry, fine-grn, dense sil ss.
3162	3691	529	Menefee form. Gry, fine-grn s, carb sh & coal.
3691	3817	126	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
3817	5678	1861	Mancos formation. Gry carb sh.
5678	5895 T.D.	217	Dakota form. Lt. to dk. gry,foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks.

[OVER]

16—43094-3

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	To	Purpose

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

SHOOTING RECORD

Depth shot from	Depth cleaned out

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

TOOLS USED

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

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

Ready to produce ____ 19____

The production for the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% emulsion; ____% water; and ____% sediment. Gravity, °Be.

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
			Workover No. 2 on Hill #1
9-7-55			Pulled 2" tubing.
9-9-55			Cleaned out and drilled on retainer to 5060'. Gaged 392 MCF/D. Perf. 4940' - 5005' with 4 shots per foot. Gaged 428 MCF/D, after perf. Rig down for repairs.
9-13-55			Sandoil treated perf. 4940' - 5005' with 5000 gallons oil and 5,400# sand. Formation sanded off. Maximum and breakdown pressure 3450 ps. average treating pressure 3300 psi. Injection rate 5.4 bbls./min. Flush 470 gallons. Natural gage 12 MCF/D.
9-14-55			Cleaned out sand and gaged 439 MCF/D.
9-19-55			Ran 162 joints 2" tubing landed at 5020'.
10-7-55			Date well was tested.

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Signed ____

Date ____ Title ____

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LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

Lease or Permit to Prospect ____
Serial Number ____
U. S. Land Office ____

Budget Bureau No. 42-R356.2.
Approval expires 12-31-55.

FORM 9-330