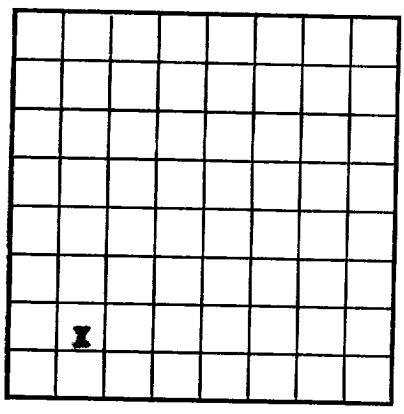
Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076511
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company San Juan Production Company Address Box 997, Farmington, New Mexico
Lessor or Tract Howell Field Blanco-La Plata State New Mexico
Well No. 1-E Sec. 29 T. 30N R. 8W Meridian N. M. P. M. County San Juan
Location 790 ft. {N.} of S Line and 790 ft. {E.} of W Line of Section 29 Elevation 5801
(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 E J Coel

Date September 4, 1951 Title Petroleum Engineer

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

Commenced drilling July 4, 19 51 Finished drilling August 10, 19 51

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2471 to 2580 (G) No. 4, from 4768 to 4872 (G)
No. 2, from 4140 to 4226 (G) No. 5, from ____ to ____
No. 3, from 4226 to 4768 (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
2" EUE	4.7	8	Young, 4000						Production Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	298	150	Circulated		
6-5/8"	4096	300	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
Quarts	Regular	S.N.G.	1545	8-11	4158-4870	4870

TOOLS USED

Rotary tools were used from 0 feet to 4096 feet, and from 4096 feet to 4870 feet
Drilling with gas
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

August 29, 19 51 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 4,550,000 Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 1094

EMPLOYEES

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	695	695	Tan course-grained ss. w/shale streaks.
695	1190	495	Variegated shales w/thin shale breaks.
1190	1415	225	Gray to tan course-grained ss. interbedded gray shales.
1415	1480	65	Ojo Alamo ss. Course-grained white sand.
1480	2135	655	Kirtland fm. Gray shales interbedded w/fine-grained gray ss.
2135	2471	336	Fruitland formation. Gray carbonaceous shales w/scattered coals & fine-grained gray ss.
2471	2580	109	Pictured Cliffs fm. Gray fine, dense sdy sil. ss. Top Pictured Cliffs 2471.
2580	4140	1560	Lewis fm. White to gray shale, dense silty sil.ss
4140	4226	86	Cliff House ss. Gray fine, dense silty ss. Top Cliff House 4140.
4226	4768	542	Menefee fm. Gray fine-grained porous sd., carbonaceous shales & coals. Top Menefee 4226.
4768	4872 TD	104	Point Lookout fm. Gray fine-grained sl. porous sil. ss. w/shale breaks. Top Point Lookout 4768.

(over)

16—43094-2

FOLD | MARK

Form 9-330

Budget Bureau No. 42-R356.2.
Approval expires 12-31-[illegible].

U. S. Land Office [illegible]

Serial Number [illegible]

Lease or Permit to Prospect ....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company [illegible] Production Company Address Box [illegible], Farmington, New Mexico

Lessor or Tract Howell Field Blanco-La Plata State New Mexico

Well No. 1 Sec. 29 T. 30N R. 8W Meridian N. M. P. M. County San Juan

Location [illegible] ft. {N/S} of S Line and [illegible] ft. {E/W} of [illegible] Line of Section 29 Elevation [illegible] (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 [signature]

Date September [illegible], 1951 Title Petroleum Engineer

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

Commenced drilling [illegible], 1951 Finished drilling August 10, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from [illegible] to [illegible] (G) No. 4, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] (G) No. 5, from .... to ....

No. 3, from [illegible] to [illegible] (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

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	[illegible]	Circulated		
[illegible]	[illegible]	[illegible]	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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOOLS USED

Rotary tools were used from [illegible] feet to [illegible] feet, and from [illegible] feet to [illegible] feet

Drilling with gas

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

DATES

[illegible], 1951 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 [illegible] Gallons gasoline per 1,000 cu. ft. of gas ....

Rock pressure, lbs. per sq. in. [illegible]

EMPLOYEES

........, Driller ...., Driller

........, Driller ...., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	[illegible]	[illegible]	Tan coarse-grained ss. w/shale streaks.
[illegible]	[illegible]	[illegible]	Variegated shales w/thin shale breaks.
[illegible]	[illegible]	215	Grey to tan coarse-grained ss. interbedded grey shales.
[illegible]	[illegible]	60	Ojo Alamo ss. Coarse-grained white sand.
[illegible]	2235	[illegible]	Kirtland fm. Gray shales interbedded w/fine-grained grey ss.
[illegible]	2411	335	Fruitland formation. Grey carbonaceous shales w/scattered coals & fine-grained grey ss.
[illegible]	[illegible]	[illegible]	Pictured Cliffs fm. Gray fine, dense argil. ss. Top Pictured Cliffs [illegible].
[illegible]	[illegible]	1350	Lewis fm. White to grey shale, dense silty ss.
[illegible]	[illegible]	65	Cliff House ss. Gray fine, dense silty ss. Top Cliff House [illegible].
[illegible]	[illegible]	[illegible]	Menefee fm. Gray fine-grained porous ss., carbonaceous shales & coals. Top Menefee [illegible].
[illegible]	4722 TD	10	Point Lookout ss. Grey fine-grained sl. porous silt. ss. w/shale breaks. Top Point Lookout 4720.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION