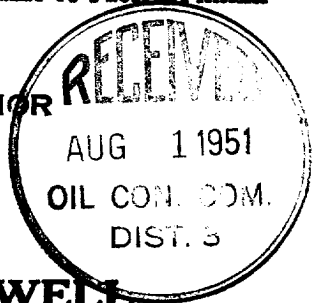


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **070300**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **San Juan Production Company** Address **100 1/2 N. Court, Farmington, N. Mexico**
Lessor or Tract **Navajo** Field **Blanco-La Plata** State **New Mexico**
Well No. **3-A** Sec. **4** T. **30N** R. **8W** Meridian **N.M.P.M.** County **San Juan**
Location **890** ft. of **N** Line and **890** ft. of **W** Line of **Section 4** Elevation **6248'**
(Derives 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.

Date **July 31, 1951** Signed **E. J. Coal** Title **Petroleum Engineer**

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

Commenced drilling **April 27**, 19 **51** Finished drilling **June 5**, 19 **51**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3042** to **3095 (G)** 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—	
9-5/8"	36	8	Nav.	297	Ball.				Surface
6-5/8"	28	8	Nav.	175	Ball.				Production
6-5/8"	28	8	Nav.	175	Ball.				Production
2	4.7	8	Nav.	297	Ball.				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	307	150	Circulated		
6-5/8"	4763	175	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
Qts.	Reg.	S.L.G.	1000	6-21	4858-5376	5404

TOOLS USED

Rotary tools were used from **0** feet to **5404** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from **5404** feet to **5404** feet
Cleaning Out

DATES

July 31, 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 **3,970,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1088**

EMPLOYEES

R. E. Pickering, Driller **R. W. McIntire**, Driller
F. F. Johnston, Driller **Benny Glover**, Driller

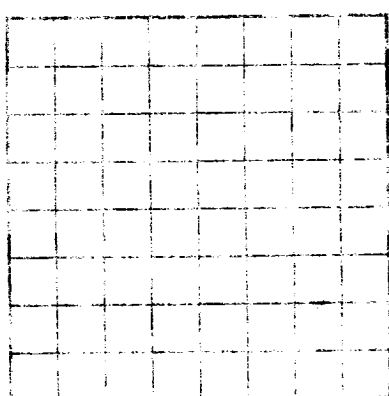
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1003	1003	Variagated shales interbedded w/white to gray shaley sandstone.
1003	1810	807	Tight gray sandstone w/interbedded gray shales.
1810	2013	203	Porous, coarse-grained brackish water-bearing Ojo Alamo.
2013	2737	724	Kirtland shale.
2737	3042	307	Fruitland formation. Gray shales w/gray sandstone stringers & irregular beds of coal.
3042	3106	64	Pictured Cliffs sandstone.
3106	4865	1759	Lewis shale.
4865	4925	60	Cliff House sandstone.
4925	5342	417	Messabi formation. Gray shales, gray sandstone & coal.
5342	5404 TD	62	Point Lookout sandstone.

U.S. LAND OFFICE
STANDARD FORM NO. 100-10
PLEASE USE PERMIT TO PROSPECT

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
no further need be ascertained from all available records

Location of [] ft. of [] line and [] ft. of [] line of []
Well No. [] Sec. [] T. [] R. [] S. []
Municipality [] County [] State []
Lessor or Trustee []
Company []
Address []
Elevation [] (Datum: Mean relative to sea level)

10-11-61

OIL OR GAS SANDS OR ZONES

(5) and any other (1)

No. 3 from	to	No. 4 from	to
No. 2 from	to	No. 3 from	to
No. 1 from	to	No. 2 from	to

IMPORTANT WATER SANDS

Year	From	To	Rate
1960	1959	1960	1.8%
1961	1960	1961	4.0%

050011 001840

[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 "mended" 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 pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1964-0-350-841

[illegible]