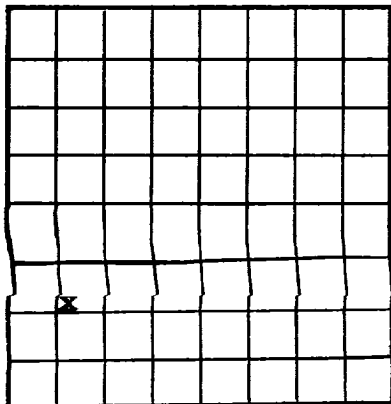
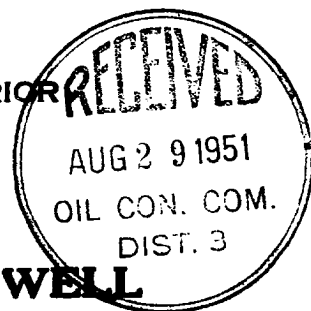


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **070307**
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company **San Juan Production Company** Address **100 1/2 N. Court, Farmington, New Mexico**
Lessor or Tract **Howell** Field **Wildcat** State **New Mexico**
Well No. **2-D** Sec. **29** T. **31N** R. **8W** Meridian **N. M. P. M.** County **San Juan**
Location **1690 ft. [N. of 3 Line and 990 ft. [E. of W Line of Section 29** Elevation **6555**
(Derive Elev. 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 **August 28, 1951** Title **Petroleum Engineer**

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

Commenced drilling **July 3**, 19**51** Finished drilling **August 8**, 19**51**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3384** to **3489 (G)** No. 4, from **5642** to **5755 (G)**
No. 2, from **5194** to **5250 (G)** No. 5, from _____ to _____
No. 3, from **5250** to **5642 (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—	
9-5/8"	26	8	Howell	3384	Ball	3384			Production
6-5/8"	16	8	Howell	5194	Anchor	5194			Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	3384	150	Circulated		
6-5/8"	5194	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
Quartz	Regular	S. H. G.	1200	8-9	5205-5755	

TOOLS USED

Rotary tools were used from **0** feet to **5150** feet, and from _____ feet to _____ feet
Cable tools were used from **5150** feet to **5755** feet, and from _____ feet to _____ feet

DATES

August 25, 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 **6,000,000** 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	602	602	Coarse-grained tan ss. w/thin shale streaks.
602	1432	830	shales w/thin ss. breaks.
1432	2380	948	Tan to gray coarse-grained ss. w/gray shales.
2380	2470	90	Ojo Alamo ss. white coarse-grained sand.
2470	3100	630	Wirtland formation, gray shales interbedded w/tight fine gray ss.
3100	3384	284	Fruitland formation, gray carbonaceous shales, scattered coals and tight gray fine-grained ss.
3384	3439	55	Pictured Cliffs formation, gray very fine, dense, silty ss. Top Pictured Cliffs 3384.
3439	5194	1755	Lewis formation, gray shale to white dense silty to shaly ss. Top Lewis 3439.
5194	5250	56	Cliff House ss., gray fine, very dense sil. ss. Top Cliff House 5194.
5250	5642	392	Munroe formation, fine-grained gray porous sand, carbonaceous shales & coals. Top Munroe 5250.
5642	5755 TD	113	Point Lookout formation, gray very fine, silty ss. w/shale breaks. Top Point Lookout 5642.

