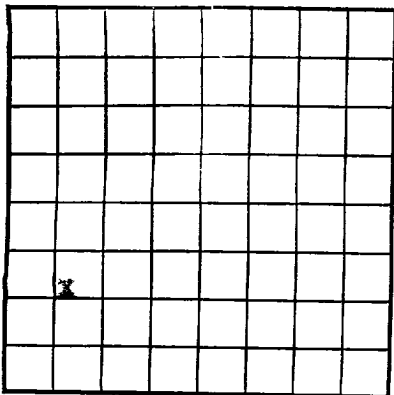
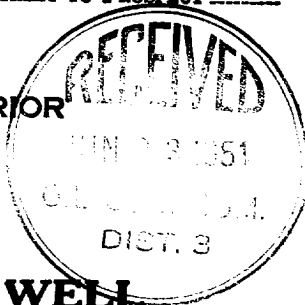


U. S. LAND OFFICE San JuanSERIAL NUMBER 078766-A

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company San Juan Production Company Address 1021 E. Court, Farmington, N. Mex.Lessor or Tract Unwell Field Alamosa State New MexicoWell No. 4 Sec. 27 T. 28N R. 6E Meridian N. M. T. N. County San JuanLocation 1550 ft. N. of 5 Line and 1090 ft. E. of Line of Section 27 Elevation 6273 (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. CoalDate June 20, 1951 Title Petroleum Engineer

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

Commenced drilling April 16, 1951 Finished drilling May 3, 1951OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 4310 to 4326 (G) No. 4, from _____ to _____No. 2, from 4326 to 4893 (G) No. 5, from _____ to _____No. 3, from 4893 to 5050 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 774 to 792 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—	
<u>2-5/8</u>	<u>23</u>	<u>8</u>	<u>AMC</u>	<u>339</u>	<u>AMC</u>	<u>Production</u>			<u>Production</u>
<u>2-1/2</u>	<u>19</u>	<u>8</u>	<u>AMC</u>	<u>399</u>	<u>AMC</u>	<u>Production</u>			<u>Production</u>
<u>2</u>	<u>16.7</u>	<u>8</u>	<u>AMC</u>	<u>3016</u>	<u>AMC</u>	<u>Production</u>			<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2-5/8</u>	<u>303</u>	<u>150</u>	<u>Single Stage</u>		
<u>7</u>	<u>4275</u>	<u>400</u>	<u>Two Stage</u>		

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
<u>2 1/2</u>	<u>AMC</u>	<u>S.H.G.</u>	<u>2370</u>	<u>5-4</u>	<u>4300-5050</u>	<u>5050</u>

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

Put to producing _____, 1951

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 1,400,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1079

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>003</u>	<u>003</u>	<u>Sandstone interbedded w/gray shale.</u>
<u>003</u>	<u>1305</u>	<u>712</u>	<u>Gray shale.</u>
<u>1305</u>	<u>1540</u>	<u>94</u>	<u>Gray shale w/occasional thin sandstone streaks.</u>
<u>1540</u>	<u>1902</u>	<u>53</u>	<u>Gray shale.</u>
<u>1902</u>	<u>2104</u>	<u>222</u>	<u>Gray, finegrained sandstone w/this gray shale str.</u>
<u>2104</u>	<u>2367</u>	<u>183</u>	<u>Gray shale w/occasional thin bedded sandstone.</u>
<u>2367</u>	<u>2655</u>	<u>288</u>	<u>Gray, carbonaceous shale w/this coal streaks.</u>
<u>2655</u>	<u>2734</u>	<u>79</u>	<u>Sandstone (Top Pictured Cliffs 2655).</u>
<u>2734</u>	<u>3602</u>	<u>868</u>	<u>Gray shale.</u>
<u>3602</u>	<u>3610</u>	<u>16</u>	<u>Coarse white, dense sandstone.</u>
<u>3610</u>	<u>3720</u>	<u>102</u>	<u>Gray, sandy shale.</u>
<u>3720</u>	<u>3760</u>	<u>40</u>	<u>Gray, shaly sandstone.</u>
<u>3760</u>	<u>4225</u>	<u>465</u>	<u>Gray shale.</u>
<u>4225</u>	<u>4310</u>	<u>85</u>	<u>Sandy shale.</u>
<u>4310</u>	<u>4326</u>	<u>16</u>	<u>Sandstone (Top Cliff House 4310).</u>
<u>4326</u>	<u>4382</u>	<u>56</u>	<u>Sandstone (Top Navajo 4326).</u>
<u>4382</u>	<u>4650</u>	<u>277</u>	<u>Gray shale interbedded w/ sandstone & thin coal streaks.</u>
<u>4650</u>	<u>4660</u>	<u>21</u>	<u>White fine grained sandstone.</u>
<u>4660</u>	<u>4893</u>	<u>213</u>	<u>Gray shale interbedded w/sandstone & thin coal streaks.</u>
<u>4893</u>	<u>Total Depth</u>		<u>White fine grained sandstone interbedded w/gray shale (Top Point Lookout 4893).</u>
LEOF—	LO—	TOTAL FEET	FORMATION

(OVER)

FORMATION RECORD—CONTINUED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

[illegible]

Commenced drilling _____ 19 _____ Finished drilling _____ 19 _____

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

Date _____ Title _____

(D) and any other

IMPORTANT WATER SANDS

CASING RECORD

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 "madracked," 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.

U. S. GOVERNMENT PRINTING OFFICE

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