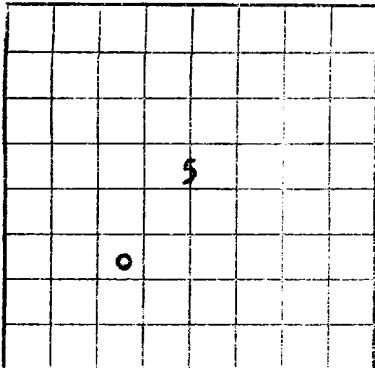


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 078461

LEASE OR PERMIT TO PROSPECT W.
Section 5



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Johnston Oil and Gas Co., Address P. O. Box 313, Farmington, N.M.
Lessor or Tract Filan Field Fulcher-Kutz State New Mexico
Well No. 2 Sec. 5 T. 27N R. 3W Meridian NMPM County San Juan
Location 1450 ft. (N. 1/2) of S. Line and 1800 (E. 1/2) of W. Line of Section 5 Elevation 6043.66
(Datum four 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 _____

Date February 5, 1954 Title Superintendent

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

Commenced drilling 3-11-53, 19 53 Finished drilling 9-5-, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2290' to 2371 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	Nat'l.	100	Guide				Surface Production
7"	17	8	Nat'l.	2293	Guide				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	100'	75	Halliburton	Pumping	
7"	2293	150	Halliburton	Pumping	

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
5 1/2		CNG	339		2371	2371

TOOLS USED

Rotary tools were used from _____ 0 feet to 2293 feet, and from _____ feet to _____ feet
Cable tools were used from 2293 feet to 2371 feet, and from _____ feet to _____ feet

DATES

Comp. 7/10, 1953 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. _____

It gas well, cu. ft. per 24 hours 779 MCFPD Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 358

EMPLOYEES

FOLD | MARK

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, 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 "detached" 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 reason for pumping or bailing.

HISTORY OF OIL OR GAS WELL

100-4000-1

The well was drilled with 13 3/4" rotary bit to 115 feet and run 100 feet of 9 5/8" surface casing, circulated out 75 sacks regular cement. Drilled cement down to shoe, closed B.O.P. and pressured up to 500#. and held with no loss for 30 minutes. The hole was drilled with 8 3/4" rotary bit to 2293 feet, 7", 17", production casing run to 2310 feet (overall), and cemented with 150 sacks of regular cement. Cut off 7" casing and moved off rotary and moved on cable tools. Drilled float and shoe, bailed hole dry and waited 2 hours, batter tested and no water in evidence. Drilled 6 1/2" cable tool hole to a total depth of 2371 feet, further batter tested and no water in evidence. Shot with 339 quarts SNG and cleaned out to total depth. Ran 1" siphon string to 2331 feet. Placed tree on head and moved off cable tools. Well was tested on 10-9-53 and further shut in for a pipeline connection.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076461
LEASE OR PERMIT TO PROSPECT 24
Section 5

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Johnston Oil and Gas Co., Address P. O. Box 213, Farmington, N.M.
 Lessor or Tract Filen Field Fulcher-Kutz State New Mexico
 Well No. 2 Sec. 5 T. 27N R. 8W Meridian NMPM County San Juan
 Location 1450 ft. {N. of S. Line and 1800. {E. of W. Line of Section 5 Elevation 6097.66
(Derrick base 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 _____

Date February 5, 1954

Title Superintendent

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

Commenced drilling 8-11-53, 1953 Finished drilling 9-5-, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2290 to 2371 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	100'	75	Halliburton	Pumping	
7"	2293	150	Halliburton	Pumping	

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
5½		CNG	339		2371	2371

TOOLS USED

Rotary tools were used from 0 feet to 2293 feet, and from feet to feet

Cable tools were used from 2293 feet to 2371 feet, and from 2293 feet to 2371 feet.

27- DATES

Comp. 7 16, 1902 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.

It gas well, cu. ft. per 24 hours 779 MCFPD Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 3587

EMPLOYEES

~~Carter - Hall~~, Driller Hart - Sanchez, Driller
_____, Driller _____, Driller

FORMATION RECORD

Rotary Tools		FORMATION RECORD		Cable Tools
FROM—	TO—	TOTAL FEET	FORMATION	
0	2290	2290	Broken and varied sands - clays - shales - Sandy shales, and coals.	
2290	2371	81	Sand - Pictured Cliff - Top 2290.	

FROM-	TO-	TOTAL FEET	FORMATION

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 "saddled" 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.

HISTORY OF OIL OR GAS WELL

The well was drilled with 13 3/4" rotary bit to 115 feet and run 100 feet of 9 5/8" surface casing, circulated out 75 sacks regular cement. Drilled cement down to shoe, closed B.O.F. and pressured up to 500#. Rotary bit to 2293 feet, 7", 17", production casing run to 2310 feet (overall), and cemented with 150 sacks of regular cement. Cut off 7" casing and moved off rotary and moved on cable tools. Drilled float water in evidence. Drilled 6 1/2" cable tool hole to a total depth of 2372 feet, further better tested and no water in evidence. Shot with 339 pounds SMC and cleaned out to total depth. Ran in siphon string to 2331 feet. Placed tree on head and moved off cable tools. Well was tested on 10-9-53 and further shut in for a pipeline connection.