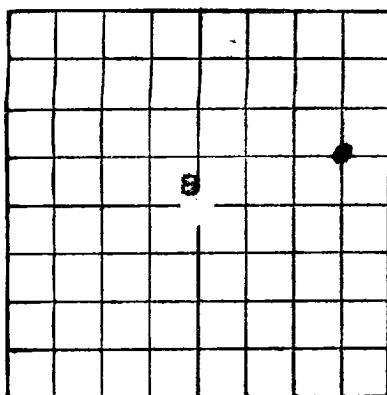


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032511-E
LEASE OR PERMIT TO PROSPECT
F.J. Langlie



LOCATE WELL CORRECTLY

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Nicherson-Richard Oil Corp. Address Alamo, New Mexico
Lessor or Tract F.J. Langlie Field Langlie State New Mexico
Well No. 3 Sec. 3 T25S R. 37E Meridian E. County Lea
Location 1900 ft. {N.} of N. Line and 660 ft. {E.} of E. Line of Sec. 3-25-37 Elevation 7181
(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 Frank GrayDate 11-23-37 Title Sup't.

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

Commenced drilling 10-28, 1937 Finished drilling 11-21, 1937

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2862 to 2881 G No. 4, from _____ to _____
No. 2, from 3440 to 3479 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	
<u>9-5/8</u>	<u>28</u>	<u>8</u>	<u>Galva</u>	<u>1191</u>					
<u>7</u>	<u>24</u>	<u>10</u>	<u>"</u>	<u>8865</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8</u>	<u>1191</u>	<u>500</u> <u>sks.</u> <u>common</u>	<u>Hotchkiss</u>	<u>10</u> <u>gal</u>	<u>circulated</u>
<u>7</u>	<u>8865</u>	<u>550</u>	<u>"</u>	<u>10</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

TOOLS USED

Rotary tools were used from 0 feet to 3479 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-23, 1937 Put to producing 11-23, 1937

The production for the first 24 hours was 116 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 25

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E.C. Trevillion, Driller _____, Driller
E. Gray, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>155</u>	<u>155</u>	Surface Sand and Shells
<u>155</u>	<u>260</u>	<u>105</u>	Redbeds
<u>260</u>	<u>490</u>	<u>230</u>	Redrock and redbeds
<u>490</u>	<u>989</u>	<u>499</u>	Redrock
<u>989</u>	<u>1070</u>	<u>81</u>	Redrock and anhydrite
<u>1070</u>	<u>1105</u>	<u>35</u>	Redrock
<u>1105</u>	<u>1120</u>	<u>15</u>	Anhydrite, redrock and shale
<u>1120</u>	<u>1200</u>	<u>80</u>	Anhydrite
<u>1200</u>	<u>1250</u>	<u>50</u>	Salt
<u>1250</u>	<u>1350</u>	<u>100</u>	Salt and anhydrite
<u>1350</u>	<u>1673</u>	<u>323</u>	Salt
<u>1673</u>	<u>1694</u>	<u>21</u>	Anhydrite
<u>1694</u>	<u>2020</u>	<u>326</u>	Salt and anhydrite
<u>2020</u>	<u>2327</u>	<u>307</u>	Salt
<u>2327</u>	<u>2460</u>	<u>133</u>	Anhydrite and salt
<u>2460</u>	<u>2485</u>	<u>25</u>	Salt
<u>2485</u>	<u>2505</u>	<u>20</u>	Anhydrite
<u>2505</u>	<u>2600</u>	<u>95</u>	Salt
<u>2600</u>	<u>2710</u>	<u>110</u>	Salt and anhydrite
<u>2710</u>	<u>2745</u>	<u>35</u>	Brown lime
<u>2745</u>	<u>2862</u>	<u>117</u>	Lime
<u>2862</u>	<u>2881</u>	<u>19</u>	Sandy lime (Gas show)
<u>2881</u>	<u>2889</u>	<u>8</u>	Hard lime
<u>2889</u>	<u>2900</u>	<u>11</u>	Broken lime
<u>2900</u>	<u>2960</u>	<u>60</u>	Broken sandy lime

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
2860	2873	13	Hard lime
2873	3030	47	lime
3030	3082	52	Broken lime & streaky sandy lime
3082	3069	17	lime
3069	3125	56	Hard and sandy lime
3125	3155	30	Hard lime
3155	3175	20	Hard gray lime
3175	3228	47	lime
3228	3236	14	Gray lime
3236	3283	46	lime
3283	3290	6	Hard lime
3290	3301	11	Sandy lime
3301	3314	13	lime
3314	3317	3	Sandy lime
3317	3436	119	lime
3436	3444	8	Hard
3444	3455	11	lime and thin streaks sand
3455	3460	5	Broken lime and sand
3460	3468	8	lime
3468	3475	7	Sandy lime w/ streaks of sand
3475		11	Broken sand and lime

HISTORY OF OIL OR GAS WELL

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 "sidetracked" 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 balling.