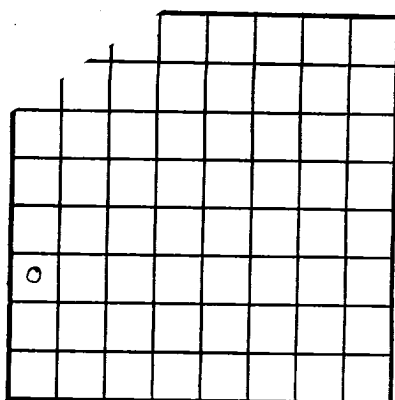


U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **028701-028708**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Yates Brothers** Address **309 Carper Bldg., Artesia, New Mex.**Lessor or Tract **Smith** Field **South Hightones State New Mexico**Well No. **2** Sec. **31** T. **16S** R. **29E** Meridian **N. M. P. M.** County **Eddy**Location **1650** ft. **S** of **S** Line and **330** ft. **E** of **W** Line of **Sec. 31** Elevation **(Denote 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 **J. P. Yates**Date **April 14, 1953** Title **Partner**

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

Commenced drilling **11-30**, 19**52** Finished drilling **12-23**, 19**52**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1852'** to **1858'** No. 4, from _____ to _____No. 2, from **1887'** to **1895'** No. 5, from _____ to _____No. 3, from **2215' 222'** to **2220' 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—	
5-1/2"	174	8	S. H.	2217'	Guide		1852'	1857'	Production
							1887'	1895'	
							2215'	2220'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5-1/2"	2277'	75	Halliburton		

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
Treated Sand Oil - 1000 gallons & 3000# sand in each of the above three zones.						

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

Put to producing **See below**, 19**53**

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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

E. H. Powell, Driller _____, Driller**W. J. Cluney**, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Well was treated January 13, 1953. Before treatment, well made a small amount of oil and some gas. After treatment gas was greatly increased from the zone 2215' to 2220' - estimated 300,000 to 500,000 cu. ft. per day. Oil was not materially increased, and today, load oil has not been recovered.			
0	1530'		Caliche
15	1800'		Red rock
100	1400'		Gyp, red rock
140	1850'		Anhy.
185	2450'		Red shale
245	4850'		Salt
485	5100'		Anhy.
510	6700'		Salt
670	7100'		Anhy. & red rock
710	9200'		Anhy.
920	9950'		Anhy., red rock
995	16200'		Anhy.
1620	16500'		Red sand
1650	16750'		Anhy., red shale
1675	17700'		Anhy.
1770	1774'		Clay
1774	1852'		Anhy.
1852	1866'		Oil sand

U.S. LAND OFFICE
SPECIAL NUMBER
LEADS OR TENDS TO PROTECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

so far as can be determined from all available records.

The information given herewith is a complete and correct record of the well and all work done thereon.

Location of _____ of _____ line and _____ of _____ line of _____ (Indicate how related to _____)

Well No. _____ Sec. _____ T. _____ R. _____ N. _____ E. _____ County _____

Lesser or Tract _____ Field _____ State _____

Company _____

Address _____

The summary on this page is for the condition of the water above the

Countdown will be held on Tuesday, 11th November 2008 at 12.00pm

OIL OR GAS SANDS OR LOMES

And you're not

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

100-37467-1

	No. 8 from	No. 3 from	
(c)	No. 4 from		

CSC02 - 7492AD

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq. km)	Urban population density (per sq. km)
Algeria	1975	10.0	4.0	40.0	100	400
Algeria	1980	10.5	4.5	42.9	105	429
Algeria	1985	11.0	5.0	45.5	110	455
Algeria	1990	11.5	5.5	47.8	115	478
Algeria	1995	12.0	6.0	50.0	120	500
Algeria	2000	12.5	6.5	52.0	125	520
Algeria	2005	13.0	7.0	53.8	130	538
Algeria	2010	13.5	7.5	55.6	135	556
Algeria	2015	14.0	8.0	57.1	140	571
Algeria	2020	14.5	8.5	58.6	145	586
Algeria	2025	15.0	9.0	60.0	150	600
Algeria	2030	15.5	9.5	61.3	155	613
Algeria	2035	16.0	10.0	62.5	160	625
Algeria	2040	16.5	10.5	63.6	165	636
Algeria	2045	17.0	11.0	64.7	170	647
Algeria	2050	17.5	11.5	65.7	175	657
Algeria	2055	18.0	12.0	66.7	180	667
Algeria	2060	18.5	12.5	67.6	185	676
Algeria	2065	19.0	13.0	68.4	190	684
Algeria	2070	19.5	13.5	69.2	195	692
Algeria	2075	20.0	14.0	70.0	200	700
Algeria	2080	20.5	14.5	70.7	205	707
Algeria	2085	21.0	15.0	71.4	210	714
Algeria	2090	21.5	15.5	72.1	215	721
Algeria	2095	22.0	16.0	72.7	220	727
Algeria	2100	22.5	16.5	73.3	225	733
Algeria	2105	23.0	17.0	73.9	230	739
Algeria	2110	23.5	17.5	74.5	235	745
Algeria	2115	24.0	18.0	75.0	240	750
Algeria	2120	24.5	18.5	75.5	245	755
Algeria	2125	25.0	19.0	76.0	250	760
Algeria	2130	25.5	19.5	76.5	255	765
Algeria	2135	26.0	20.0	76.9	260	769
Algeria	2140	26.5	20.5	77.3	265	773
Algeria	2145	27.0	21.0	77.8	270	778
Algeria	2150	27.5	21.5	78.2	275	782
Algeria	2155	28.0	22.0	78.6	280	786
Algeria	2160	28.5	22.5	78.9	285	789
Algeria	2165	29.0	23.0	79.3	290	793
Algeria	2170	29.5	23.5	79.7	295	797
Algeria	2175	30.0	24.0	80.0	300	800
Algeria	2180	30.5	24.5	80.3	305	803
Algeria	2185	31.0	25.0	80.6	310	806
Algeria	2190	31.5	25.5	81.0	315	810
Algeria	2195	32.0	26.0	81.3	320	813
Algeria	2200	32.5	26.5	81.6	325	816
Algeria	2205	33.0	27.0	81.8	330	818
Algeria	2210	33.5	27.5	82.1	335	821
Algeria	2215	34.0	28.0	82.4	340	824
Algeria	2220	34.5	28.5	82.6	345	826
Algeria	2225	35.0	29.0	82.9	350	829
Algeria	2230	35.5	29.5	83.1	355	831
Algeria	2235	36.0	30.0	83.3	360	833
Algeria	2240	36.5	30.5	83.6	365	836
Algeria	2245					

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 "mudded" 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 pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or billing.

HISTORY OF OIL OR GAS WELL

16-43094-1 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
1866	1892.5		Sand
1892.5	1897		Any. Lime
1897	2010		Lime
2010	2045		Any. Lime
2045	2050		Lime
2050	2080		Any. Lime
2080	2095		Gray Lime
2095	2115		Lime, red shale
2115	2125		Lime
2125	2170		Gray Lime
2170	2180		Sand
2180	2215		Lime
2215	2230		Sand, increase in oil
2230	2240		Any. red rock
2240	2260		Sand
2260	2277 T.D.		Red shale

FORMATION RECORD—Continued