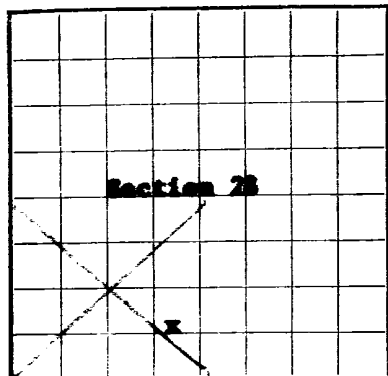
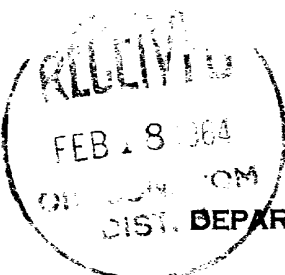


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 036224 A
NM 039034
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shur-Alex Oil Company Address 1402 Denver U. S. Nat'l Center
Lessor or Tract Crane-Federal Field So Blanca PC State New Mexico
Well No. 1 Sec. 28 T. 24N R. 1W Meridian NMPM County Rio Arriba
Location 790 ft. ^[N.]_{~~XXIX~~} of S Line and 1850 ft. ^[E.]_{~~XXIX~~} of W Line of Section 28 Elevation 7,386 KB
(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 Richard S. Hunt
Richard S. Hunt
Date February 14, 1964 Title Mgr. of Lands & Exp.

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

Commenced drilling ----- ~~XXXXXX~~ August 12 1960 ----- Finished drilling August 20, -----, 1960

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3,107 to 3,126 (6) 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—	
3 1/2 x 10	200	8	211	33 73	Commercial	3107	3110	3110	3110
4 1/2 x 10	200	8	211	33 73	Commercial	3107	3110	3110	3110
ATTACHED TO THE CASE G78 MEET									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	109.43	75	Pump & Plug		Cement circulated
4-1/2"	3,186.01	68	Pump & Plug		Cement top @ 2,860

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
On 8-24-60 treated w/25,000 gallons of treated water and 25,000# sand.						

On 8-24-60 treated w/25,000 gallons of treated water and 25,000# sand.

TOOLS USED

Rotary tools were used from 0 feet to 3,187 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----, 19 60
September 14,
 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- %
 emulsion; ----- % water; and ----- % sediment.
 Gravity, °Bé. -----
 If gas well, ~~MC~~ ft. per 24 hours 3,350 (AOF) Gallons gasoline per 1,000 cu. ft. of gas -----
 Rock pressure, ~~XXXX~~ lbs. per sq. in. 913

EMPLOYEES

Rayco Drilling Company....., Driller , Driller
....., Driller , Driller

P. O. Box 1741

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
2,926	2,995	69	Ogo Alamo
2,995	3,093	98	Kirtland-Fruitland
3,093	3,128	35	Pictured Cliffs
3,128	3,187 TD	59	Lewis Shale
	3,149 FBTD		
No cores and no drill stem tests.			
Subject well purchased from Lion Oil Company. Notice of change of Operator filed with the U.S. Geological Survey under date of 8-20-62.			
FROM-	TO-	TOTAL FEET	FORMATION

Subject well purchased from Lion Oil Company. Notice of change of Operator filed with the U.S. Geological Survey under date of 8-20-62.

FOR A MILLION RECORD COPIES

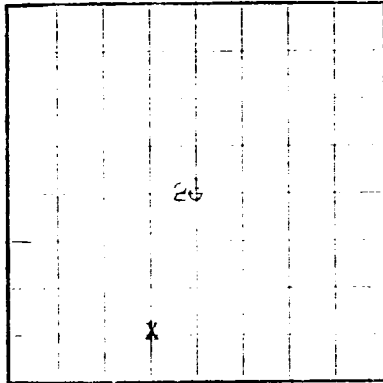
Company - *Standard Oil Company*
Location - *Section 36, Township 12N, Range 10E, T12N, R10E, S42E, 10th Meridian, Adams County, Kansas*
Name of well - *Standard Oil No. 1*
Date of completion - *May 15, 1910*
Depth - *200 feet*
Casing - *2 1/2 inch diameter, 10 feet deep*
Pump - *Hand pump*
Production - *10 barrels per day*
Remarks - *Well was drilled by hand. No logs were kept. The well was abandoned in 1915.*

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 "glitched" 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			
FROM-	TO-	TOTAL FEET	FORMATION
0	200	200	Shale
200	210	210	Shale
210	220	220	Shale
220	230	230	Shale
230	240	240	Shale
240	250	250	Shale
250	260	260	Shale
260	270	270	Shale
270	280	280	Shale
280	290	290	Shale
290	300	300	Shale
300	310	310	Shale
310	320	320	Shale
320	330	330	Shale
330	340	340	Shale
340	350	350	Shale
350	360	360	Shale
360	370	370	Shale
370	380	380	Shale
380	390	390	Shale
390	400	400	Shale
400	410	410	Shale
410	420	420	Shale
420	430	430	Shale
430	440	440	Shale
440	450	450	Shale
450	460	460	Shale
460	470	470	Shale
470	480	480	Shale
480	490	490	Shale
490	500	500	Shale
500	510	510	Shale
510	520	520	Shale
520	530	530	Shale
530	540	540	Shale
540	550	550	Shale
550	560	560	Shale
560	570	570	Shale
570	580	580	Shale
580	590	590	Shale
590	600	600	Shale
600	610	610	Shale
610	620	620	Shale
620	630	630	Shale
630	640	640	Shale
640	650	650	Shale
650	660	660	Shale
660	670	670	Shale
670	680	680	Shale
680	690	690	Shale
690	700	700	Shale
700	710	710	Shale
710	720	720	Shale
720	730	730	Shale
730	740	740	Shale
740	750	750	Shale
750	760	760	Shale
760	770	770	Shale
770	780	780	Shale
780	790	790	Shale
790	800	800	Shale
800	810	810	Shale
810	820	820	Shale
820	830	830	Shale
830	840	840	Shale
840	850	850	Shale
850	860	860	Shale
860	870	870	Shale
870	880	880	Shale
880	890	890	Shale
890	900	900	Shale
900	910	910	Shale
910	920	920	Shale
920	930	930	Shale
930	940	940	Shale
940	950	950	Shale
950	960	960	Shale
960	970	970	Shale
970	980	980	Shale
980	990	990	Shale
990	1000	1000	Shale

Budget Bureau No. 4, 13304
Approval expires 12-31-60

Form 9-330



U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PLAT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Monsanto Chemical Company**
Lion Oil Company Division Address **1310 Denver Club Bldg., Denver, Colo.**
Lessor or Tract **Crane** Field **East Lindrith** State **New Mexico**
Well No. **1** Sec **28** T **24N** R **1W** Meridian **N. M. P. M.** County **Rio Arriba**
Location **790** ft. **N** of **S** Line and **1850** ft. **E** of **W** Line of **Section 28** Elevation **385** KB

The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.

Signed

J. E. Bucy

Date **September 15, 1960**

Title **Regional Production Supt.**

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

Commenced drilling **August 12**, 19 **60** Finished drilling **August 20**, 19 **60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3,107** to **3,126(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 foot	Make	Amount	Kind of shoe	Cut and pulled from	Peculiarities		Purpose
							From	To	
8 5/8	24#	8	Smls	99.73	Cementing	-	-	-	Surface csg.
4 1/2	9.5#	8	Smls	3177.21	Cementing	-	3,107	3,126	Gas Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	109.43	75 ex	Pump & plug		Cement circulated
4 1/2	3,186.01	65 ex	Pump & plug		Cement top @ 2,850



PLUGS AND ADAPTERS

Heaving plug Material

Length

Adapters Material

Size

SHOOTING RECORD

Size	Shrinkage	Explosive used	Quantity	Date	Depth shot	Depth from bottom
------	-----------	----------------	----------	------	------------	-------------------

On 8-24-60 treated w/25,000 gallons of treated water and 25,000 lbs. sand

TOOLS USED

Rotary tools were used from 0 feet to 3,187 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES Tested August 31, 1960, and shut-in for lack of gas market.

September 14, 1960

Put to production

The production for the first 24 hours was 0 barrels of fluid of which % was oil, % emulsion, % water, and % sediment.

If gas well, MCF per 24 hours 3,350 (AOF) Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 913

EMPLOYEES

Rayco Drilling Company, Driller

P. O. Box 1741

Driller

Farmington, New Mexico

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
			E-log tops
2,926	2,995	69	Ojo Alamo 2,925 (+4,400)
2,995	3,093	98	Kirtland-Fruitland 2,995 (+4,391)
3,093	3,128	35	Pictured Cliffs 3,093 (+4,293)
3,128	3,187 TD	59	Lewis Shale 3,128 (+4,258)
	3,149 PBTD		

No cores and no drill stem tests.