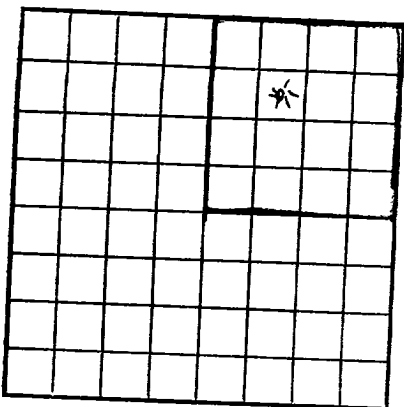


WR 1111

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078402-A**
LEASE OR PERMIT TO PROSPECT **Lease**
Carle No. 2

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Wood River Oil & Refining Co. Inc.** Address **321 West Douglas Wichita 2, Kansas**
 Lessor or Tract **Carle 87 078402-A** Field **Astec PC** State **New Mexico**
 Well No. **2** Sec. **20** T. **30N** R. **11W** Meridian **NMPN** County **San Juan**
 Location **190 ft. center of Lease 1650-1651 (W.)** from **Section 20** Elevation **5713.0**
 (Derive 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.

Date **August 12, 1953** Signed **[Signature]** Title **Representative**

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

Commenced drilling **7-14-53** Finished drilling **7-30-53**, 19 **53**

1-50-23 Drilled to 5000 - **OIL OR GAS SANDS OR ZONES** (Denote gas by G) cumulative top water O.Y.

No. 1, from **20.75.0** to **2600 2161** No. 4, from _____ to _____
 No. 2, from **20.75.0** to **2600 2161** No. 5, from _____ to _____
 No. 3, from **20.75.0** to **2600 2161** No. 6, from _____ to _____

bibs & cement **IMPORTANT WATER SANDS**

No. 1, from **20.75.0** to **2600 2161** No. 3, from _____ to _____
 No. 2, from **20.75.0** to **2600 2161** No. 4, from _____ to _____

bibs & cement **CEMENTING RECORD** to bottom of casing.

Size casing	Weight per foot	Depth set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	36#	2070	175	Halliburton		
7"	20#	36#	125	"		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	20#	175	Halliburton		
10-3/4"	36#	125	"		

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
		SNQ	310		2080 -	2161

TOOLS USED

Rotary tools were used from **0** feet to **2970** feet, and from _____ feet to _____ feet
 Cable tools were used from **2070** feet to **2600** feet, and from _____ feet to _____ feet

DATES

August 11 7-30, 19 **53** 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. _____

If gas well, cu. ft. per 24 hours **3,020,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **651 (SICP)**

EMPLOYEES

R. C. Winham, Driller **J. L. Copeland**, Driller
B. B. McClain, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	125	125	
125	163	38	Shale & Sand Stone
163	320	157	Sand & Shale
320	446	126	Hard Sand
446	747	301	Alamo Sand & Shale
747	828	81	Sand & shale
828	1068	240	"
1068	1355	287	"
1355	1616	261	"
1616	1834	217	"
1834	2020	186	Shale, Sand & Coal
2020	2075	55	
2075	2600	525	Pictured Cliffs Sand
	2161	86	

755

49-10086
Q - SOURCE
A - [illegible]
[illegible] OF THE [illegible] STATE
[illegible]

LOG OF OIL OR GAS WELL

A blank sheet of graph paper with a grid pattern. The grid consists of approximately 10 columns and 8 rows of squares. There are some faint marks and a small dark spot near the top left corner, but otherwise it is empty.

[illegible]

7-29-53 Shot well with 310 pts. SNG 2080-2161.

7-25-53 Set 2070 7" 20# new seamless casing on bottom of 2-7-4 hole with 175 sacks cement. Cement came up outside pipe 715'.

7-25-53 Drilled to 2060 - dried up hole, cementing job held O.K. hole dry after setting 1 1/2". Drilled out shoe and let set

sacks cement. Cement transferred to bottom of collar.
7-16-53 Drilled cement to 140' tested 30 minutes 600# pressure
drilled out shoe tested 30 minutes 600# pressure -
pipe & cement water sands

It is of the greatest importance to have a complete history of the well. It is especially important to know the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was substituted, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

2

Drilling started up and drilled 169' 13-3/4" hole
1-17-53 Well No. 30

1-18-53 Put 16' bottomed 146' 10-3/4" surface casing 125'

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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Hand 1	100	100
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Hand 5	100	100
Hand 6	100	100
Hand 7	100	100
Hand 8	100	100
Hand 9	100	100
Hand 10	100	100

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10/10/10	10/10/10	10/10/10
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FORM	TO	TOTAL FEET	FORMATION
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FORMATION RECORD—Continued