

WELL PLUGGING RECORD

Producing formation.....-..... Depth to top.....-..... Bottom.....-..... Total Depth of Well 3391..... Feet
Show depth and thickness of all water, oil and gas formations.

CASING RECORD

[illegible]

Filled w/sand and heavy mud from 3391 up to 3067. Set rock bridge and filled w/20 sacks cement to 2864'. Filled w/heavy mud to 27' and set rock bridge and filled hole w/10 sacks cement to base of cellar. Plugging complete.

RECEIVED

APR 11 1956

STATE CORPORATION
COMMISSION
this sheet) KANSAS

(If additional description is necessary, use BACK of this sheet) **MANSA**

Address.

STATE OF Kansas COUNTY OF Sedgwick, ss.

.....(employee of owner) or (owner or operator) of the above-described well,
being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-
described well as filed and that the same are true and correct. So help me God.

(Signature)

James C. Hogwood

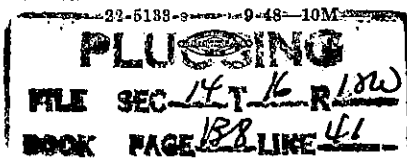
820 Union National Bank Building
(Address)

SUBSCRIBED AND SWORN to before me this 10 day of April, 19 50

My commission expires February 20, 1953

I. A. Lange

.....
Notary Public



Copy Commission

15-009-06536-00-00

DRILLERS CERTIFIED WELL LOG

Company: National Cooperative Refinery Association Lease: Mary Weber West #10
Contractor: H & H Drilling Company Location: C SE NW SE
Commenced: 2-1-50 14-16-12W
Completed: 2-12-50 Barton County
Elevation: 1911 K.B. Kansas
Potential: D&A Casing Record:
260' 8-5/8" cem. W/125 sax

2nd Log

FORMATION	DEPTH		REMARKS
	FROM	TO	
Yellow Clay	0-60		
Shale blue	60-195		
Sandy Shale	195-225		
Shale blue	225-260		
Shale & Sand	260-405		
Sand	405-480		
Red Bed, Sand & Shale	480-789		
Anhydrite	789-815		
Shale & Salt	815-1100		
Shale & Shells	1100-1570		Slope Test @ 1106 - OK S.L.M. - OK Trip @ 1106 Jetted Shale Pit Slope Test @ 1600 - OK
Shale & Lime	1570-1922		Trip @ 1866'
Lime (Ft. Riley)	1922-2029		
Lime & Shale	2029-2295		
Shale	2295-2485		Trip @ 2305'
Shale & Lime	2485-2744		
Lime	2744-2758		1/2 Trip Slope Test & S.L.M. - OK
Shale & Lime	2758-2855		1/2 Trip
Lime	2856-3094		Lost Circulation @ 2867' Jetted Pits & Collar
Lime (Cherty)	3094-3143		Mud W - 10.2 Vis 36 Trip @ 2080' Slope Test &
Lime	3143-3347		S.L.M. - OK Circ. @ 3094 - 55 mins. - No odor.
Lime & Cherty Congl.	3347-3370		Circ. @ 3124 - 1 Hr. - No odor Mud Vis 35 W.10.1 @
Sand & Chert	3370-3375		3155. Circ. 45 mins. @ 3191 - no odor. Mud Vis.
Chat	3375-3391		36 - W.10.2 @ 3200'. Trip @ 3216. Circ. @ 3227' -
Total Depth (Rotary)	3391		49 mins. - no odor. Circ. @ 3268 - 1 Hr. 1/2 Trip
Tops:			1/2 Trip Circ. @ 3341 - 1 Hr. - No odor. Circ. @
Anhydrite	769 -1122		3347 - 1 hr. Circ. @ 3352 - 1 hr. Circ. @ 3256 1
Brown Lime	3076 -1165		hr. & 9 mins. Circ. @ 3360 - 1 hr., @ 3365 & 3370.
Lansing	3093 -1182		Circ. @ 3374, 3375, 3380, 3385 & 3391 - approx 1
Conglomerate	3346 -1435		hr. each.
Conglomerate sand	3363 -1452		
Rotary Total Depth	3391 -1480		

I hereby certify that this is a true and correct copy of the above log, to the best of my knowledge.

[Signature]

STATE OF KANSAS
COUNTY OF SEDGWICK

SUBSCRIBED AND SWORN TO before me this 27th day of February 1950

Georgia L. Laird
Notary Public

My Commission expires May 13, 1953

PLUGGING
FILE SEC-14T-16-R-1820
BOOK PAGE 138 LINE 41

MAR 22 1950

DRILLERS CERTIFIED WELL LOG

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Contractor:	H & H Drilling Company	Location:	C SE NW SE 14-16-12W Barton County Kansas
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Completed:	2-12-50		
Elevation:	1911 K.B.	Casing Record:	260' 8-5/8" cem. W/125 sax
Potential:	D & A		

FORMATION	DEPTH FROM TO	REMARKS
Yellow Clay	0-60	
Shale blue	60-195	
Sandy Shale	195-225	
Shale blue	225-260	
Shale & Sand	260-405	
Sand	405-480	
Red Bed, Sand & Shale	480-789	
Anhydrite	789-815	
Shale & Salt	815-1100	
Shale & Shells	1100-1570	Slope Test @ 1106 - OK S.L.M. - OK Trip @
Shale & Lime	1570-1922	1106 Jetted Shale Pit Slope Test @ 1600 - OK
Lime (FT. Riley)	1922-2029	Trip @ 1866'
Lime & Shale	2029-2295	
Shale	2295-2485	Trip @ 2305'
Shale & Lime	2485-2744	
Lime	2744-2758	1/2 Trip Slope Test & S.L.M. - OK
Shale & Lime	2758-2856	1/2 Trip
Lime	2856-3094	Lost Circulation @ 2887' Jetted Pits & Cellar
Lime (Cherty)	3094-3143	Mud W - 10.2 Vis 36 Trip @ 2080' Slope Test &
Lime	3143-3347	S.L.M. - OK Circ. @ 3094 - 55 mins. - No odor.
Lime & Cherty Congl.	3347-3370	Circ. @ 3124 - 1 hr. - No odor Mud Vis 35 W.10.1 @
Sand & Chert	3370-3375	3155. Circ. 45 mins. @ 3191 - no odor. Mud Vis.
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		hr. & 9 mins. Circ. @ 3360 - 1 hr., @ 3365 & 3370.
		Circ. @ 3374, 3375 1/2, 3380, 3385 & 3391 - approx 1
		hr. each.
Tops:		
Anhydrite	789-812	
Brown Lime	3076-1165	
Lansing	3093-1182	
Conglomerate	3346-1435	
Conglomerate sand	3363-1452	
Rotary Total Depth	3391-1480	

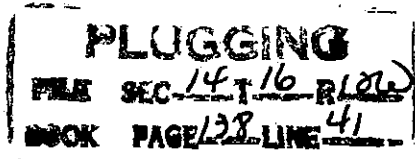
APR 11 1950

I hereby certify that this is a true and correct copy of the above log, to the best of my knowledgw.

/s/ W. L. Hartman

STATE OF KANSAS
COUNTY OF SEDGWICK

SUBSCRIBED AND SWORN TO before me this 27th day of February, 1950



/s/ Georgia L. Laird
Notary Public

ly Commission expires May 13, 1953