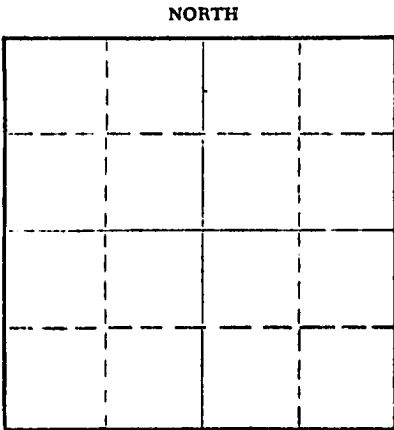


Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
211 No. Broadway  
Wichita, Kansas

WELL PLUGGING RECORD



Locate well correctly on above Section Plat

Ellis County. Sec. 22 Twp. 11S Rge. (E) 17 (W)  
Location as "NE/CNWxSWx" or footage from lines SW SE SE  
Lease Owner Sohio Petroleum Company  
Lease Name Johansen Well No. 5  
Office Address P. O. Box 673, Russell, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed 10-7 1964  
Application for plugging filed 8-31 1964  
Application for plugging approved 9-2 1964  
Plugging commenced 9-16 1964  
Plugging completed 9-23 1964  
Reason for abandonment of well or producing formation Uneconomical

If a producing well is abandoned, date of last production May 1964  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Eldon Petty  
Producing formation Arbuckle Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3395 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUR IN	PULLED OUT
Arbuckle				7"	3389'	2489'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Pumped 33 sacks Jel thru casing at 983'.  
Pulled casing to 450'. Spotted 30 sacks cement.  
Pulled casing to 217'. Spotted 30 sacks cement.  
Bailed nole to 30'. Dumped 10 sacks cement up to base of cellar.

**RECEIVED**  
STATE CORPORATION COMMISSION  
SEP 30 1964  
09-30-64  
CONSERVATION DIVISION  
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Knight Casing Pulling Company  
Address Great Bend, Kansas

STATE OF KANSAS COUNTY OF RUSSELL, ss.  
D. W. Smith (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) [Signature]

Subscribed and Sworn to before me this 29th day of September, 1964

My commission expires November 18, 1967 [Signature] Notary Public.

Location - SW SE SE Sec. 22, Twp. 11S, Rge. 17W

Farm - Johansen Well - No. 5

County - Ellis State - Kansas

09-02-64

Company - Margay Oil Corporation

Samples from 1140 feet to 3390 feet - Elevation 1966 feet

From	to	Formation and remarks	Examined by Lerke & Whorton
1140	1170	White anhydrite	
		<u>Enid Group</u>	
1170	1290	Madstone	
1290	1300	Ditto, some gray shale	
1300	20	Various colored shale 70 percent, anhydrite 30 percent	
20	80	Brown shale, some gray shale and anhydrite	
80	1400	Brown shale 70 percent, greenish-gray shale 25 percent, anhydrite 5 percent	
		<u>WELLINGTON</u>	
1400	1430	Gray anhydritic shale 75 percent, brown shale 25 percent	
30	90	Gray anhydrite 50 percent, gray anhydritic shale 50 percent	
		<u>Salt Zone</u>	
1490	1690	Salt	
		<u>Wellington Anhydrite</u>	
1690	1780	Gray drab anhydrite	
80	90	Ditto, some brown shale, trace of dolomite	
		<u>MARION</u>	
1790	1800	Drab white anhydrite 60 percent, drab dolomite 20 percent, red shale 20 percent	
1800	10	Brown drab dolomite	
10	20	Ditto, some anhydrite 40 percent, red shale 25 percent	
20	30	Red shale 75 percent, anhydrite 20 percent, some dolomite	
30	50	Drab dolomite	
50	60	Ditto, some red shale 25 percent	
60	70	Red shale, some anhydrite and dolomite	
70	90	Red shale	
		<u>Luta-Winfield</u>	
1890	1930	Drab fossiliferous dolomite	
30	60	<u>Doyle shale</u>	
		Red shale	
		<u>Port Riley</u>	
1960	2010	Drab sacrose dolomite	
2010	40	Drab white porous oolitic fossiliferous dolomitic lime	
		<u>Florence Flint</u>	
2040	2070	Gray drab fossiliferous cherty lime	
		<u>Matfield Shale</u>	
2070	2080	Red shale, some drab fossiliferous cherty lime	
80	90	Various colored shale (mostly red), some drab lime	
90	2100	Gray fossiliferous lime	
2100	10	Ditto, some red shale	
10	20	Drab fossiliferous lime 50 percent, red shale 50 percent	
		<u>Wrexford Lime</u>	
2120	2140	Gray drab fossiliferous cherty lime	

Well - Johansen #5 Cont'd.

		<u>COUNCIL GROVE</u>
2140	2160	Various colored shale 50 percent, gray fossiliferous lime 50 percent
60	70	White dense lime
70	80	White fossiliferous lime
80	90	Ditto, red shale 50 percent
90	2200	White fossiliferous lime
2200	30	Ditto, some red shale 40 percent
30	50	Ditto
		<u>Cottonwood Lime</u>
2250	2270	White highly fossiliferous lime (many Fusulinid)
		<u>WABAUNSEE</u>
2270	2300	Red shale
		<u>Neva</u>
2300	2320	Drab highly oolitic lime
20	30	Drab fossiliferous oolitic lime 75 percent, red shale 25 percent
30	40	Drab white fossiliferous lime
40	60	Ditto, some red shale 20 percent
60	70	Drab fossiliferous lime 50 percent, red shale 50 percent
70	2410	Ditto, increase in lime to 75 percent
		<u>Feraker Group</u>
2410	2440	Gray fossiliferous lime
40	50	Drab fossiliferous lime 50 percent, various colored shale 50 percent
50	90	Ditto, increase in lime to 65 percent
90	2500	Ditto
2500	10	Drab fossiliferous sandy lime, some gray micaceous shale
10	30	Drab fossiliferous lime 50 percent, various colored shale 50 percent
30	40	Gray laminated shale, some lime and red shale
40	50	Ditto, increase in lime to 25 percent
50	60	Ditto
60	70	Gray laminated shale, some drab fossiliferous lime
70	80	Various colored shale, some drab fossiliferous lime
80	2590	Ditto, increase in lime to 30 percent
2590	2600	Gray laminated shale 50 percent, micaceous cemented sand 40 percent, red shale 10 percent
2600	10	Ditto, gray fossiliferous lime
2610	20	Ditto
20	30	Gray laminated shale
30	40	Ditto, micaceous cemented sand 30 percent
40	50	Various colored shale, some drab fossiliferous lime and micaceous cemented sand
		<u>Tarkie</u>
2650	2660	Drab white fossiliferous lime
60	70	Ditto, some gray laminated shale 25 percent
70	80	Various colored shale 70 percent (gray laminated predom.) micaceous cemented sand 30 percent
80	90	Ditto, increase in sand to 50 percent
90	2700	Gray laminated shale, some drab lime and micaceous sand
		<u>Emporia</u>
2700	10	Various colored shale 70 percent (gray predom.) drab fossiliferous lime 30 percent
10	20	Ditto, increase in shale to 85 percent
20	30	Ditto, just trace of lime
30	40	Various colored shale 85 percent, drab fossiliferous lime 15 percent

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Well - Johansen #5 Cont'd.

40	50	Ditto, shale gray and laminated
50	60	Ditto
60	70	Various colored shale 50 percent, drab fossiliferous lime 50 percent
70	80	Gray laminated shale, some drab fossiliferous lime
80	90	Ditto, increase in lime to 15 percent
90	2810	Various colored shale (gray predom.)
		<u>Topoka Series</u>
2810	2820	Gray drab fossiliferous lime
20	30	Various colored shale, some drab fossiliferous lime, trace of sand
30	40	Drab fossiliferous lime
40	50	Ditto, some gray laminated shale 25 percent
50	60	Ditto
60	70	Ditto, some various colored shale
70	2920	Ditto
20	30	Ditto, lime cherty
30	40	Ditto, some various colored shale
40	50	Ditto
50	60	Ditto, some various colored shale 25 percent
60	80	Drab dense lime
80	90	Drab fossiliferous lime
90	3020	Ditto, some greenish gray shale
3020	60	Ditto
60	70	Ditto, trace of dead oil
70	90	Ditto
90	3100	Ditto, some various colored shale
3100	20	Drab fossiliferous cherty lime (trace of oil), some various colored shale
		<u>LANSING - KANSAS CITY</u>
3120	3140	Drab white fossiliferous oolitic lime, some various colored shale
40	50	Ditto, trace of oil
50	70	White fossiliferous oolitic lime (trace of oil)
70	80	White fossiliferous oolitic lime (light saturation)
80	3200	Ditto, lime barren
3200	10	Ditto
10	20	Drab white fossiliferous lime
20	30	Ditto, lime oolitic, trace of oil
30	50	White fossiliferous lime
50	60	Ditto, lime oolitic and cherty
60	70	Ditto
70	90	Drab white fossiliferous lime (trace of oil)
90	3300	Ditto, lime barren
3300	10	Drab fossiliferous oolitic lime (trace of oil)
10	20	White fossiliferous lime
20	30	Ditto, some various colored shale
30	60	Ditto
60	80	White fossiliferous oolitic lime
		<u>Detrital Zone</u>
3380	3383	White fossiliferous lime, various colored shale
		<u>SIMPSON</u>
3383	3385	Green shale
85	87	Well assorted white sand, some saturation
87	89	Ditto, much free pyrite
		<u>SILICEOUS LIMESTONE</u>
3389	3390	Gray oolitic chert and brown crystalline dolomite, saturated

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