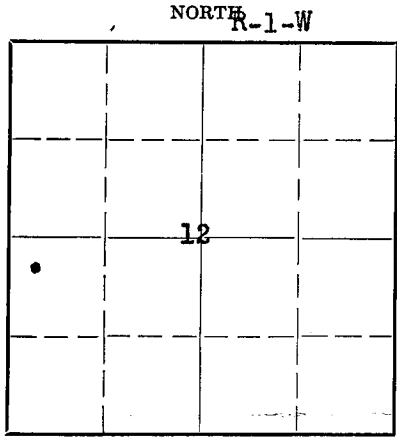


OR  
FORMATION PLUGGING RECORD

Strike out upper line  
when reporting plug-  
ging off formations.

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Bittling Building  
Wichita, Kansas

Ottawa County, Sec. 12 Twp. 12S Rge. (E) 1 (W)  
Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines C NW $\frac{1}{2}$  NW $\frac{1}{2}$  SW $\frac{1}{2}$   
Lease Owner Stanolind Oil and Gas Company  
Lease Name K. M. Duggan Well No. 1  
Office Address Box 591, Tulsa, Oklahoma.  
Character of Well (completed as Oil, Gas or Dry Hole) Dry hole.  
Date well completed December 6 1943  
Application for plugging filed December 8 1943  
Application for plugging approved December 8 1943  
Plugging commenced December 8 1943  
Plugging completed December 8 1943  
Reason for abandonment of well or producing formation non-productive.  
If a producing well is abandoned, date of last production none 19  
Was permission obtained from the Conservation Division or its agents before plugging was com-  
menced? yes



Locate well correctly on above  
Section Plat

Name of Conservation Agent who supervised plugging of this well Ruel Durkee  
Producing formation Arbuckle Depth to top 3360' Bottom 3401' Total Depth of Well 3401' Feet  
Show depth and thickness of all water, oil and gas formations.

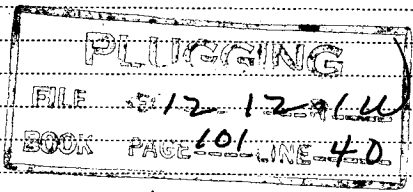
OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Arbuckle	Dry	3360	3401	8 5/8	152' 9"	None

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 hold. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Heavy mud 3401'-155'  
Wood plug 155'-153'  
15 sacks regular  
cement 153'-128'  
Heavy mud 128'- 25'  
Wood plug 25'- 23'  
25 sacks regular  
cement 23'- 6'  
Soils in cellar 6' - Surface



DEC 30 12-30-1943

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

Correspondence regarding this well should be addressed to Stanolind Oil and Gas Company  
Address Box 591, Tulsa, Oklahoma.

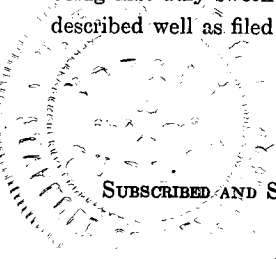
STATE OF KANSAS, COUNTY OF STAFFORD, ss.

C. B. Snyder (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) C. B. Snyder, Field Superintendent.

Route #2, Stafford, Kansas.  
(Address)

SUBSCRIBED AND SWORN to before me this 29 day of Dec, 1943



H. E. Hartnett  
Notary Public.

My commission expires April 6-1947

640 Acres

N

1-7

	160				160
		12			
	160				160

Locate Well Correctly

### WELL RECORD

COUNTY Ottawa, SEC. 12, TWP. 12-S, RGE. 1-W  
 COMPANY OPERATING Stanolind Oil and Gas Company  
 OFFICE ADDRESS Box 591, Tulsa, Oklahoma.  
 FARM NAME K. M. Duggan WELL NO. 1  
 DRILLING STARTED 11-17- 19 43, DRILLING FINISHED Dec. 6 19 43  
 WELL LOCATED NW 1/4 NW 1/4 SW 1/4 2210 ft. North of South  
 Line and 220 ft. East of West Line of Quarter Section.  
 ELEVATION (Relative to sea level) DERRICK FLR. 1318' GROUND 1315'6"  
 CHARACTER OF WELL (Oil, gas or dry hole) Dry Hole.

OIL OR GAS SANDS OR ZONES

Name	From	To	Name	From	To
1 <u>Arbuckle</u>	<u>2260</u>	<u>2401</u>			
2					
3					

WATER SANDS

Name	From	To	Water Level	Name	From	To	Water Level
1				4			
2				5			
3				6			

CASING RECORD

O.D.	Size	Wt.	Thds.	Make	Amount Set		Amount Pulled		Packer Record			
					Ft.	In.	Ft.	In.	Size	Length	Depth Set	Make
	<u>8 5/8</u>	<u>32</u>	<u>8 VT</u>	<u>Used</u>	<u>180</u>	<u>9</u>	<u>"Threads off"</u>				<u>155' 9"</u>	

Liner Record: Amount \_\_\_\_\_ Kind \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_

CEMENTING AND MUDDING RECORD

O.D.	Size	Amount Set		Sacks Cement	Chemical		Method Cementing	Amount	Mudding Method	Results (See Note)
		Feet	In.		Gal.	Make				
	<u>8 5/8</u>	<u>152</u>	<u>9</u>	<u>100</u>	<u>Ashgrove</u>		<u>HOWCO</u>			

**PLUGGING**  
 FILE SEC 12 12-12  
 BOOK PAGE 10 LINE 40

NOTE: What method was used to protect sands when outer strings were pulled? \_\_\_\_\_

NOTE: Were bottom hole plugs used? \_\_\_\_\_ If so, state kind, depth set and results obtained \_\_\_\_\_

TOOLS USED

Rotary tools were used from surface feet to 2401 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Type Rig \_\_\_\_\_

PRODUCTION DATA

Non-Productive.  
 Production first 24 hours \_\_\_\_\_ bbls. Gravity \_\_\_\_\_, Emulsion \_\_\_\_\_ per cent., Water \_\_\_\_\_ per cent  
 Production second 24 hours \_\_\_\_\_ bbls. Gravity \_\_\_\_\_, Emulsion \_\_\_\_\_ per cent., Water \_\_\_\_\_ per cent  
 If gas well, cubic feet per 24 hours \_\_\_\_\_ Rock Pressure, lbs. per square inch \_\_\_\_\_

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

B. Snyder  
 Name and Title Field Superintendent.

Subscribed and sworn to before me this the 28 day of Dec 19 43

My commission expires April 6-1947 H S Hartnett Notary Public.

**FORMATION RECORD**

Give detailed description and thickness of all formations drilled through and contents of sand, whether dry, water, oil or gas.

Formation	Top	Bottom	Formation	Top	Bottom
Cellar	0	6	Shale & shells, 1/5, 1/5, 1/5.	175	190
Shale Clay and shale	6	60			
Shale and shells	80	102			
Lime	102	155	Lime and shale streaks	190	435
Lime and shells	155	175	2/5, 1/5, 3/5, 5/5, 6/5,		
Shale and shells	175	190	4/5, 3/5, 2/5, 3/5, 7/5,		
Lime and shale streaks	190	435	3/5, 2/5, 3/5, 3/5, 5/5,		
Lime	435	460	7/5, 2/5, 2/5, 3/5, 2/5,		
Sand	460	505	3/5, 1/5, 2/5, 3/5, 3/5,		
Shale	505	555	7/5, 7/5, 2/5, 2/5, 7/5,		
Lime and shale	555	775	4/5, 2/5, 1/5, 2/5, 3/5,		
Red Bed	775	795	1/5, 4/5, 3/5, 4/5, 7/5,		
Sand and lime	795	820	3/5, 2/5, 2/5, 6/5, 7/5,		
Shale and shells	820	1205	5/5.		
Sandy lime	1205	1230			
Shale	1230	1245	Lime, 5/5, 5/5, 4/5, 7/5	435	460
Shale and Lime	1245	1455	4/5,		
Shale and shells	1455	1505			
Lime and shale	1505	1590	Sand, 3/5, 2/5, 2/5, 3/5,	460	505
Lime and streaks of shale	1590	1695	3/5, 2/5, 2/5, 2/5, 3/5.		
Lime and shale	1695	1890			
Shale	1890	1895	Shale 5/5, 3/5, 3/5, 3/5,	505	555
Lime	1895	1950	3/5, 3/5, 3/5, 3/5, 4/5,		
Shale and lime	1950	2030	5/5.		
Lime	2030	2050			
Shale	2050	2075	Lime and shale 5/5, 2/5	555	775
Lime and shale	2075	2480	2/5, 3/5, 7/5, 4/5, 3/5,		
Shale	2480	2540	2/5, 3/5, 3/5, 2/5, 5/5,		
Shale and lime	2540	2570	2/5, 2/5, 2/5, 6/5, 4/5,		
Chert	2570	2575	2/5, 2/5, 2/5, 2/5, 4/5,		
Cherty lime	2575	2590	4/5, 4/5, 4/5, 4/5, 3/5,		
Lime streaks of shale	2590	2614	5/5, 7/5, 7/5, 8/5, 6/5,		
Lime, streaks of chert	2614	2640	2/5, 2/5, 2/5, 3/5, 2/5,		
Lime and shale streaks of chert	2640	2690	3/5, 1/5, 2/5, 1/5, 2/5,		
Shale and lime streaks	2690	2715	1/5, 2/5,		
Shale and lime	2715	2832	Red bed 1/5, 1/5, 1/5,	775	795
Shale	2832	2900	2/5,		
Hunter lime	2900	2932			
Lime	2932	3044	Sand and lime, 2/5, 1/5,	795	820
Cherty lime	3044	3052	2/5, 2/5, 2/5,		
Shale	3052	3055			
Lime, shale and chert	3055	3087	Shale and shells, 2/5, 2/5	820	1205
Shale	3087	3155	2/5, 2/5, 2/5, 1/5, 2/5,		
Shale streaks of lime	3155	3204	2/5, 2/5, 2/5, 2/5, 2/5,		
Shale and lime	3204	3221	2/5, 1/5, 2/5, 3/5, 3/5,		
Lime	3221	3258	3/5, 2/5, 1/5, 1/5, 2/5,		
Lime and shale	3258	3300	1/5, 2/5, 2/5, 2/5, 1/5,		
Lime	3300	3351	2/5, 2/5, 2/5, 2/5, 2/5,		
Phyrite and sand	3351	3355	2/5, 1/5, 1/5, 1/5, 1/5,		
Sand and Arbuckle	3355	3370	2/5, 1/5, 1/5, 1/5, 2/5,		
Top of Arbuckle	3360		2/5, 2/5, 1/5, 2/5, 2/5,		
Arbuckle	3370	3401	2/5, 2/5, 2/5, 1/5, 1/5,		
Total Depth	3401.		2/5, 2/5, 1/5, 1/5, 1/5,		
			2/5, 2/5, 2/5, 1/5, 2/5,		
			2/5, 1/5, 1/5, 2/5, 2/5,		
			1/5, 2/5, 3/5, 2/5, 2/5,		
			3/5, 2/5, 2/5, 2/5, 2/5.		
			Sandy Lime, 3/5, 3/5, 3/5,	1205	1230
			3/5, 3/5.		
			Shale 2/5, 2/5, 2/5,	1230	1245

Ran Schlumberger survey and ran Geophone.