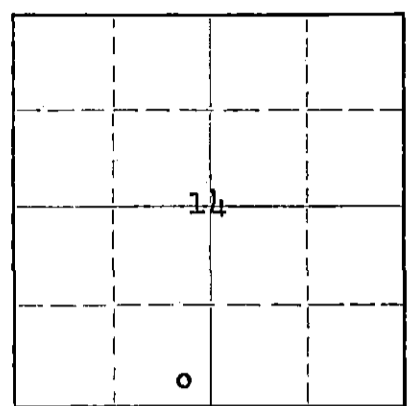


STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

NORTH



Locate well correctly on above  
Section Plat

Kingman County. Sec. 14 Twp. 30S Rge. - (E) 7 (W)  
Location as "NE/CNW/WSW" or footage from lines SE/4-SE/4-SW/4  
Lease Owner The Pure Oil Company  
Lease Name R. A. Hopper Well No. 1  
Office Address P. O. Box #271, Tulsa 2, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed February 4, 19 56  
Application for plugging filed September 20, 19 57  
Application for plugging approved September 23, 19 57  
Plugging commenced October 2, 19 57  
Plugging completed October 6, 19 57  
Reason for abandonment of well or producing formation Well dead in Miss. Zone -  
PB to K.C. Lime with negative results.  
If a producing well is abandoned, date of last production April, 19 57  
Was permission obtained from the Conservation Division or its agents before plugging was com-  
menced? Yes

Name of Conservation Agent who supervised plugging of this well M. A. Rives  
Producing formation Formerly Miss. Depth to top 4124 Bottom 4162 Total Depth of Well 4162 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
Heebner	Water	3068	3091	8-5/8"	167'	None
Toronto	Water	3091	3094	5-1/2"	4185'	3000'
Lansing	Water	3094	3165			
Kansas City	Water	3580	3812			
Marmaton	Water	3882	4030			
Cherokee	Water	4030	4109			
Penn. Conglomerate	Water	4109	4124			
Mississippian	Formerly oil	4124	4162			

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.

Plugged back with sand 3795-3725 and spotted 5 sx. cement 3725-3690. Shot off and pulled 91 jts. 5-1/2" csg. Circulated 41 sx. Halliburton jel in hole. Set rock bridge at 200' and plugged back 200-125 with 25 sx. cement. Filled hole 125-20 with mud and spotted 10 sx. cement 20' to top of 8-5/8" surface casing.

RECEIVED  
OCT 23 1957  
CONSERVATION DIVISION  
Wichita, Kansas

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

Name of Plugging Contractor Forbes Casing Pulling Company  
Address Great Bend, Kansas

STATE OF Oklahoma COUNTY OF Tulsa ss.  
H. E. Schafer, Div. Supt. of Prod. (employee of owner) or (Sworn 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) H. E. Schafer  
P. O. Box #271 - Tulsa 2, Oklahoma  
(Address)

SUBSCRIBED AND SWORN TO before me this 17th day of October, 19 57

Notary Public.

My commission expires September 9, 1958

PLUGGING  
FILE SEC 14 T 30 R 7W  
BOOK PAGE 47 LINE 14



FROM	TO	TOTAL	FORMATION	FROM	TO	TOTAL	FORMATION
				PLUGGED	RACK:	4162-4150	
					Set 5 1/2" csg. at 4160 with 200 sx. Pozmix. Drilled cement plug 4123-4150, now plugged back total depth.		
				PERFORATED:	2/2/56		
					Melex ran Gamma Ray Neutron log, then perforated 5 1/2" csg. with 72 shots, 4 shots/ft., in Miss. formation 4124-4112.		
				ACID & STRATA-FRAC:	2/3/56		
					Dowell treated thru perforations 4124-4112 with 250 gals. mud acid at max. 1250# pressure, min. 450#. Let acid work on formation 1 hr. Flushed tubing with 16 bbls. crude oil, then broke down formation with 12 bbls. oil at 2450#, decreasing to 2300# as oil entered formation. Pumped in 5000 gals. strata-frac material and 9500# sand. Max. treating pressure 3450#, min. 2700#. Flushed tubing with 24 bbls. crude oil, then swabbed well in.		
				PB - ACID PERFORATION:	6/9/57 - 6/15/57		
					Set CI bridge plug at 3795' and perforated 5-1/2" casing 3738-3744 w/ 24 1/2" shots. Set 2-3/8" OD tubing 3724'. Swabbed 4 1/2 hrs. removed total of 7 oil, 131 water. Dowell loaded hole w/ 98 bbl. salt water, spotted 20 gal mud acid in bottom through perforations in 5-1/2" casing 3738-3744. Broke down formation at 1600# and pumped in 200 gal acid retrofired and 2000# sand. Maximum pressure of 1800# casing, 3450# tubing, minimum pressure casing 600#, tubing 2850#. Flushed tubing with 34 bbls. salt water, pressure dropped to 100# 1 1/2 minutes after frac. Let well set 5 hrs. Swabbed total of 24 hrs, removed 435 bbl. salt water. To be abandoned.		
ADDITIONAL WELL DATA:							
ANGLE	DEVIATION:		Degrees				
	Off Vertical	Depth	Off Vertical	Depth			
500	1/4	3390	1 1/2				
900	1/2	3631	1 1/2				
1200	1/2	3748	1				
1500	3/4	3873	1 1/2				
2684	1	4015	1				
3125	1/2						
DRILL STEM TESTS:							
1/27/56		3733-3754 (K. C. Lime)					
		Tool open 40 minutes - Leak to fair blow thru test - Recovered 40' of oil and gas-cut mud - 160' of salt water - IFP 25%, FFP 97%, 20 minute shut in IFP 1127#. (Hyd. pressure 1980#)					
1/29/56		4112-4127 (Miss. Lime)					
		Tool open 1 hour, strong blow air to surface continuing thru out test - Gas to surface in 6 minutes - Recovered 50' slightly oil and gas cut mud - IFP and FFP 25% - 20 minute shut in IFP 1180# (Hyd. pressure 2120#)					
1/29/56		4127-4112 (Miss. Lime)					
		Tool open 40 minutes - Strong blow air to surface immediately and continued thru out test. Gas to surface in 7 minutes. Gas tested 49,000 CID decreasing to 11,000 CID at end of test. IFP 50%, FFP 65%, 20 minute shut in IFP 1100# (Hyd. pressure 2120#)					
1/30/56		4110-4162 (Miss. Lime)					
		Tool open 20 minutes - Fair blow air to surface immediately and continued thru out test - Recovered 115' of slightly oil and gas cut mud - IFP 16%, FFP 43%, 20 minute shut in IFP 1118# (Hyd. pressure 2125#)					
					P. O. BEFORE: Dead		
					P. D. AFTER: 0 Oil - 240 water.		