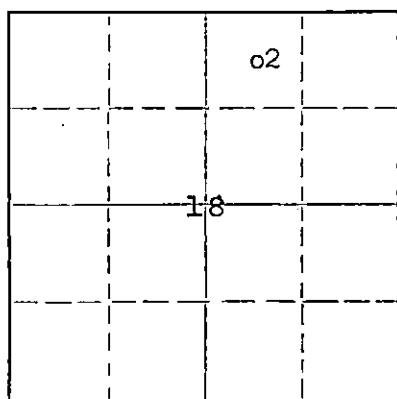


WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 North Market, Insurance Bldg.
Wichita, Kansas

NORTH

Locate well correctly on above
Section Plat

Rice County. Sec. 18 Twp. 21S Rge. (E) 7 (W)
Location as "NE/CNW/SW" or footage from lines Center NW-NE
Lease Owner The Pure Oil Company
Lease Name McCrory, R. W. Well No. 2
Office Address Box #9545, Oklahoma City, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed February 12, 19 62
Application for plugging filed October 4, 19 62
Application for plugging approved October 5, 19 62
Plugging commenced November 2, 19 62
Plugging completed November 3, 19 62
Reason for abandonment of well or producing formation Dry Hole

If a producing well is abandoned, date of last production - 19
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 Gilbert Toman
Producing formation None Depth to top - Bottom - Total Depth of Well 3435 Feet
Show depth and thickness of all water, oil and gas formations. 3415'PB

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Miss. Cong.	Salt Water	3371	3409	8-5/8"	259'	None
Kinderhook Shale	Dry	3409	3435	5-1/2"	3434'	2950'

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.

Filled with sand 3415-3300. Spotted 5 sack cement plug from 3300 to 3290. Shot 5-1/2" @ 2950 and pulled 90 joints. Filled with heavy mud-laden fluid from 3290 to 250, crushed rock from 250 to 232, 20 sacks cement from 232 to 172, heavy mud-laden fluid 172 to 30 and 10 sacks cement from 30' to bottom of cellar.

RECEIVED
STATE CORPORATION COMMISSION

NOV 15 1962

CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Forbes Casing Pulling, Inc.
Address Box #221, Great Bend, Kansas

STATE OF Oklahoma, COUNTY OF Oklahoma, ss.
Le K. Hughes

(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) Le K. Hughes Dist. Office Mgr.
Box #9545, Oklahoma City, Oklahoma
(Address)

SUBSCRIBED AND SWORN TO before me this 12th day of November, 19 62

My commission expires April 14, 1964

Notary Public.

15.159-06605-0000

GABBERT-JONES DRILLING CO., INC.
WICHITA, KANSAS
DRILLERS WELL LOG

R. W. McCrory #2
 C NW NE SECTION 18-21S-7W
 RICE COUNTY, KANSAS

COMMENCED: JANUARY 14, 1962
 COMPLETED: JANUARY 27, 1962

OPERATOR - THE PURE OIL COMPANY

<u>DEPTH</u>		<u>FORMATION</u>	<u>REMARKS</u>
FROM	TO		
0	15	CLAY	
15	85	SAND	
85	263	RED BED	
			RAN 251' OF 8-5/8" CASING, SET @ 259' W/275 SACKS CEMENT.
263	490	RED BED & SHALE	
490	1030	SHALE	
1030	1452	SHALE & LIME	
1452	1720	SHALE	
1730	2080	SHALE & LIME	
2080	2310	SHALE	
2310	2505	SHALE & LIME	
2505	2605	LIME	
2605	2850	LIME & SHALE	
2850	3345	LIME	
3345	3391	CORING	
3391	3400	LIME & CHERT	
3400	3435	CONGLOMERATE	
3435	TD		
			RAN 3431' OF 5-1/2" CASING, SET @ 3434' W/100 SACKS CEMENT.

I, E. E. HALL, CERTIFY THIS IS A TRUE AND CORRECT COPY OF THE DRILLER'S LOG FOR THE WELL DRILLED IN C NW NE SECTION 18-21S-7W, RICE COUNTY, KANSAS, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

E. E. Hall
 E. E. HALL

STATE OF KANSAS)
) SS
 COUNTY OF SEDGWICK)

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC WITHIN AND FOR SAID COUNTY AND STATE, ON THIS 29TH DAY OF JANUARY, 1962, PERSONALLY APPEARED E. E. HALL TO ME PERSONALLY KNOWN TO BE THE IDENTICAL PERSON WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME AS HIS FREE AND VOLUNTARY ACT AND DEED FOR THE USES AND PURPOSES THEREIN SET FORTH.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND OFFICIAL SEAL THE DAY AND YEAR LAST ABOVE WRITTEN.

MY COMMISSION EXPIRES OCTOBER 2, 1963

Vira A. McKenzie
 VIRA A. MCKENZIE, NOTARY PUBLIC

RECEIVED
 CENTRAL RECORDS COMMISSION

REGISTRATION DIVISION
 WICHITA, KANSAS

WELL LOG AND RELATED DATA

Northern Producing
 DIVISION 320 LEASE NO. 54010 AFE NO. 4565 ELEVATION Ord. 1625', D.F. 1628' WELL NO. 2
 DISTRICT Oklahoma City LEASE McGrory, R. W.
 ACRES 18 TWP. 21 S RGE. 7 W PRCT.-DIST.-TWP. (Bull Creek N. Miss. Pool)
 SURVEY (Bell Prospect) COUNTY Rice STATE Kansas

LOG			
FROM	TO	TOTAL	FORMATION
0	15	15	Clay
15	85	70	Sand
85	263	178	Redbeds
263	490	227	Redbeds & shale
490	1030	540	Shale
1030	1452	422	Shale & lime
1452	1720	268	Shale
1720	2080	360	Shale & lime
2080	2310	230	Shale
2310	2505	195	Shale & lime
2505	2605	100	Lime
2605	2850	245	Lime & shale
2850	3345	495	Lime
3345	3371	26	Chert & shale
3371	MISS. CONGLOMERATE		(E.L. Top)
3371	3409	38	Chert & shale
3409	KINDERHOOK		(E.L. Top)
3409	3435	26	Shale
3435	TOTAL DEPTH		
	PLUGGED BACK		
3435	3415	20	Cmt. in 5 $\frac{1}{2}$ " casg.
3415	TOTAL DEPTH - PB		
(All measurements taken from top of rotary bushing which is 3' above derrick floor)			
RECEIVED STATE CORPORATION COMMISSION OCT 5 1962 CONSERVATION DIVISION Michigan			

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 5 1962
 CONSERVATION DIVISION
 Wichita

LOCATION

4620

FEET NORTH OF SOUTH SECTION LINE

3300

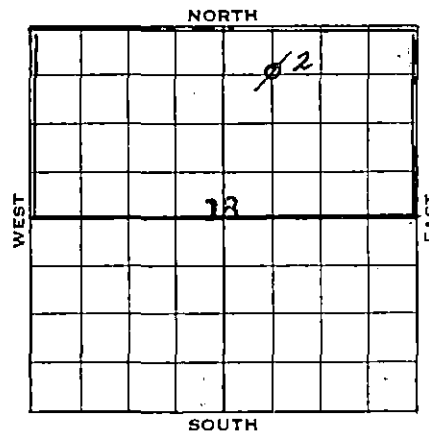
FEET EAST OF WEST SECTION LINE

660

FEET SOUTH OF NORTH SECTION LINE

1980

FEET WEST OF EAST SECTION LINE



SCALE 2"=1 MILE

CASING AND CEMENTING RECORD

SIZE CASING	8-5/8"	5-1/2"			
THREAD	8 rd	8 rd			
WEIGHT	24#	14#			
GRADE	J-55	J-55			
CONDITION	B&C	A			
SET AT	259'	3434'			
SACKS CEMENT	275	100			
SIZE OF HOLE	12-1/4"	7-7/8"			

Temp. survey 1/27/62 indicated top of cement behind 5 1/2" casing to be @ 2985'.

LINER RECORD

SIZE	WT.	COND.	LENGTH	BLANK	PERF.	SET AT

GUN PERFORATING RECORD

DATE	CASING	FROM	TO	SIZE SHOTS	NO. SHOTS
2-1-62	5-1/2"	3373	3381		
		3384	3390	Jet	56

SHOT OR ACID RECORD

DATE	TOP	BOTTOM	SHOT-ACID	REMARKS
2-1-62	3373	3390	500 G. Mud acid	
2-5-62	3373	3390	50,000 G., 50,000#/water frac.	sand

DRILLING: COMMENCED 1-11-62 COMPLETED 1-25-62
 ELECTRICAL SURVEY BY (1) DATE Rotary
 DRILLED WITH (Gabbert-Jones) Rotary TOOLS
 DRILLED IN WITH (Gabbert-Jones) Rotary TOOLS
 FIRST PROD.—NAT. DATE Dry Hole HRS. BBLS. OIL
 WATER M CU. FT. GAS LBS. ROCK PRESS.
 SHOT
 FIRST PROD. AFTER ACID—DATE HRS. BBLS. OIL
 WATER M CU. FT. GAS LBS. ROCK PRESS.
 GAS/OIL RATIO POTENTIAL Dry Hole BBLS.
 GRAVITY TEMP. GRADE
 (1) Schlumberger (Sonic, Laterolog and Micro-laterolog) 1-26-62 - 3436'.

FROM	TO	TOTAL	FORMATION	FROM	TO	TOTAL	FORMATION
				Flushed with 50 bbls. salt water, ending flush @ 1000%, decreasing to 250% in 15 min. and to 125% in 4 hrs.			
<u>ADDITIONAL WELL DATA :</u>							
<u>ANGULAR DEVIATIONS</u>							
	Degrees						
<u>Depth</u>	<u>Off</u>	<u>Vertical</u>					
230	1	1/4					
430		3/4					
750		1/2					
2050	2						
2500	1						
3166	1						
<u>CORE RECORD</u>							
<u>Core No.</u>	<u>Depth</u>	<u>Rec.</u>	<u>Description</u>				
1	3345-3366	8'	Shale, med. to dark gray with 3" zone of floating vari-colored chert @ 3350. 2' varicolored mudstone. 11' mudstone, maroon and cream.				
2	3366-3381	3'	Shale, very light gray, waxy, with patches of maroon shale. 1' chert, gray, to tan, weathered, tight. 2' shale, very light gray, waxy. 4' 6" reworked chert, tan, weathered to fresh, stain and odor in part, bleeding oil and gas. 3' 6" chert as above, with up to 30% cherty green shale. 1' shale, gray with 40% floating chert.				
3	3381-3391	1' shale, vari-colored 2' conglomerate, chert 1' chert, white, weathered, bleeding oil and gas. 1' shale, vari-colored, cherty and silty, bleeding oil and gas. 2' chert, weathered, heavy bleeding, good porosity. 2' conglomerate, chert and shale, trace bleeding.					
<u>DRILL STEM TEST : (3371-3435) (Miss. Cong.)</u>							
Tool open 33 min. Weak blow of air at surface immediately, increasing for 5 min., then decreasing throughout remainder of test. Recovered 80' of slightly gas cut mud with speck of oil. ISI BHP 125#, IFP 36#, FFP 53#, 47 min. PSI BHP 103#.							
<u>PB & PERFORATE:</u>							
Set 5 1/2" casg. @ 3434' with 100 sax Pozmix. Top of cement @ 3415, new plugged back total depth. Perforated 5 1/2" casg. in Miss. Cong. with 56 jet shots, 4 shots per foot 3373-3381 and 3384-3390.							
<u>ACID:</u>							
2/1/62 (Miss. Cong.) Dowell treated Miss. Cong. thru perfs. in 5 1/2" casg. 3373-3390 with 500 gals. mud acid. Max. treatg. press. 1200% min. 450#. Flushed with 14 bbls. salt water, ending flush @ 600%, decreasing to vacuum in 7 min.							
<u>FRAC:</u>							
2/5/62 (Miss. Cong.) Dowell treated Miss. Cong. thru perfs. in 5 1/2" casg. 3373-3390 with 50,000 gals. 1% acid salt water and 50,000# sand. Max. treatg. press. 1100%, min. 1000%.							
(Cont'd above)							