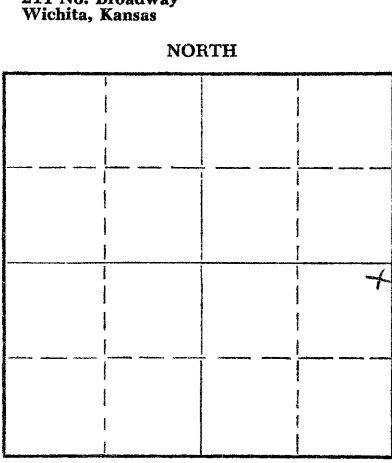


Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
211 No. Broadway  
Wichita, Kansas

WELL PLUGGING RECORD



Locate well correctly on above  
Section Plat

Decatur County. Sec. 1 Twp. 5 Rge. 27 (E) W (W)  
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines NE NE SE  
Lease Owner cleary petroleum, Inc.  
Lease Name shearer Well No. 1  
Office Address 1374 1st Nat'l. Bldg., Oklahoma city, Okla.  
Character of Well (completed as Oil, Gas or Dry Hole) dryhole Oil  
Date well completed August 15, 19 59  
Application for plugging filed October 2, 1959 19  
Application for plugging approved October 6 19 59  
Plugging commenced October 3 19 59  
Plugging completed October 13 19 59  
Reason for abandonment of well or producing formation well was pumped for 30  
days and found to be non-commercial.  
If a producing well is abandoned, date of last production \_\_\_\_\_ 19 \_\_\_\_  
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 A. D. Fabricuis Hill City, Kansas  
Producing formation Lansing Depth to top 3544 Bottom 3548 Total Depth of Well 3733 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

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.

Sand to 3530 mix and dump 3 sacks cement  
mud to 200' set 10' rock bridge with 25 sacks cement  
mud to 40' set 10' rock bridge with 10 sacks cement to base of cellar.

RECEIVED  
STATE CORPORATION COMMISSION

OCT 19 1959

CONSERVATION DIVISION  
Wichita, Kansas

10-19-59

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Southwest Casing Pulling Co., Inc.  
Address Box 364, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.  
Southwest Casing Pulling Co., Inc. (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) Roy L. Myers Roy L. Myers Sec. Treas.  
Box 364, Great Bend, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 16 day of October, 19 59

My commission expires December 18, 1962  
Juanita L. Myers Notary Public.



15-039-00142-00-00

August 11, 1959

RECEIVED  
STATE CORPORATION COMMISSION  
10-19-59  
OCT 19 1959

CONSERVATION DIVISION  
Wichita, Kansas

W. B. Cleary, Inc.  
First National Bank Building  
Oklahoma City, Oklahoma

W. B. CLEARY, INC. et al  
#1 Shearer  
NE NE NE 1-55-27N  
Decatur County, Kansas  
Semi-Wildcat

Gentlemen:

The #1 Shearer, a semi-wildcat, was drilled in an attempt to extend the Jennings, SE Pool. It found all beds at depths 3' to 5' lower than the SHIELDS-Boyles, the only other well in the pool. After making a Schlumberger survey and taking several wire line formation tests, all of which were inconclusive, casing was run for further testing. The setting of casing was predicated upon the structural position, sample studies, and certain information gained from the Schlumberger survey and wire line tests.

The drilling was under geological supervision from 3200' to RTD, 3730'. All samples were examined from 3200' to RTD. Included in this report are: formation tops, drilling time log (abridged), tabulation of zones of porosity, synopsis of the analysis of the Schlumberger survey, bit record, progress record, and recommended completion procedure. Also included is a strip log which contains essentially the same information.

SAMPLES AND TIME LOG: Samples were saved from under surface to TD. These were delivered to the Kansas Geological Society. An abridged copy of the time log is included. The time log was made from under surface to TD.

FORMATION TOPS AND OTHER PERTINENT DATA

<u>W. B. CLEARY, INC. et al #1 Shearer</u>		<u>SHIELDS-Boyles</u>	
<u>Samples &amp; Driller</u>		<u>Feet</u>	
<u>Elevation</u>	<u>2553 KB, 2553 DF 2556 GL, (Co. Eng)</u>	<u>3400 Schlumberger</u>	<u>2605 ID</u>
ANHYDRITE	2086 (+ 470)	3100 (+ 470)	2156 (+ 469)
HEXONER	3477 (- 913)	3460 (+ 913)	3517 (- 912)
LANNING	3516 (- 851)	3526 (- 855)	3338 (- 953)
B/KO	3713 (-1147)	3713 (-1150)	3741 (-1149)
RTD	3730 (-1165)	3733 (-1168)	3760 (-1155)

\* Schlumberger 3'-5' deeper than driller's measurements

POROSITY ZONES\*\*

**SHAWNEE:** Zone: 3159-31, 34-37; 550: Limestone white fine crystalline, very fossiliferous, leached fossiliferous porosity, spotted medium staining. Condemned by Schlumberger survey.

**MISSOURI-Lansing:** Zone I: 3520-32: Water: Limestone white-cream fine crystalline to dense with poor barren porosity.

Zone II: 3543-53: 650: Limestone white-cream fine crystalline very calcitic with good leached calcitic porosity and heavy medium saturation. Tested in Schlumberger wire-line test #3

**SWLT #3: 3546:** Open 30 minutes  
Recovered: 0.25 cu. ft. gas  
12,750 cc. water (7% BP)  
410 cc. oil (API 27 degrees)  
Flow Pressure: 0-100#  
BHSIP: 1000#/30 minutes  
HP: 2000#/10.5# mud

Zone III: 3574-80: F50: Limestone white-grey fine crystalline very calcitic with good leached porosity and saturation. Tested in SWLT #2

**SWLT #2: 3578:** Open 30 minutes  
Recovered: 0.11 cu. ft. gas  
20,300 cc. water (50% BP)  
Flow Pressure: 0-100#  
BHSIP: 1210#/build-up against full tool  
HP: 1970#/10.3# mud

Zone IV: 3608-3610: F50: Limestone white-grey fine crystalline cherry very calcitic, good porosity and saturation. Not tested

Zone V: 3620-26: F50: Same limestone as zone III, good leached porosity and saturation. Tested in SWLT #1

**SWLT #1: 3628:** Open 30 minutes  
Recovered: 0.04 cu. ft. gas  
Flow Pressure: 0#  
BHSIP: 0#/30 minutes  
HP: 2000#/10.1# mud

Zone VI: 3654-62: F530: Limestone white fine crystalline fossiliferous and calcitic with poor leached porosity having even staining. Judged not worth testing. Schlumberger water.

Zone VII: 3700-04: Limestone white fine crystalline to dense very poor porosity with even staining. Judged not worth testing.

DRILLING TIME LOG

DEPTH

3000 - 3030	20 9 5 2 2 2 3 3 2 2 3 3 4 5 5 6 7 5 7 6 6
3040	9 3 5 4 6 5 5 5 6 6 7 6 4 3 4 5 9 9 10 6
3050	7 7 10 9 8 9 9 8 5 6 3 6 5 6 12 12 9 7 11 12
3100	7 6 6 5 6 6 8 7 8 7 7 8 7 9 9 7 6 6 6 7
3150	6 7 8 6 7 10 4 5 4 3 3 2 3 3 2 3 4 5 4 3
3160	4 3 2 4 3 2 1 3 2 5 3 4 6 4 4 5 5 5 3 4
3180	5 3 2 5 5 4 4 2 4 5 3 4 2 4 6 4 3 2 3 3
3200	3 4 4 6 7 3 4 5 4 4 6 4 5 3 4 7 4 5 5 6
3220	6 9 4 6 7 7 5 3 6 4 5 6 7 6 6 6 6 3 5 4
3240	6 5 3 4 5 5 4 4 3 3 4 5 3 4 5 5 6 6 7 6
3260	6 6 3 5 5 5 6 6 4 3 4 3 4 7 7 6 6 7 6 7
3280	6 4 5 5 6 6 6 6 6 6 7 5 6 6 6 5 4 5 4 4
3300	4 3 4 4 3 4 3 3 4 4 4 4 4 4 4 5 3 3 3 3
3320	3 3 4 5 7 6 7 4 3 7 5 7 6 5 5 4 4 4 5 5
3340	4 4 7 4 4 6 6 6 5 5 3 3 3 3 3 4 4 4 4 6
3360	3 5 4 4 3 3 3 4 3 3 3 3 3 4 5 3 3 3 3 3
3380	4 4 4 5 5 6 6 5 5 5 4 6 5 6 7 6 6 6 6 5
3400	5 6 6 7 6 6 4 6 3 7 4 4 4 4 6 7 4 4 6 7
3420	7 10 7 7 7 6 7 6 5 4 4 3 4 3 4 4 4 3 3 3
3440	4 3 4 3 4 3 5 4 3 6 7 10 9 10 8 5 6 7 5 6
3460	6 5 5 6 5 5 5 6 7 4 5 7 4 5 5 6 10 7 6 6
3480	7 8 6 6 6 5 5 4 5 6 6 5 6 5 6 6 9 5 4 4
3500	9 3 6 6 6 5 5 5 5 7 9 6 6 7 10 11 5 3 6 5

3501 - 3520	5 6 3 6 6 7 6 7 8 4 4 5 3 5 5 5 6 4 5 5
3540	7 7 8 13 10 11 6 8 9 7 6 6 6 6 7 4 3 5 8 5
3560	4 6 6 7 11 10 7 9 13 7 10 8 11 10 14 13 13 9 8 13
3580	12 9 9 7 6 9 9 8 8 8 6 5 6 6 4 7 4 5 7 6
3600	3 6 6 5 7 9 8 8 11 9 9 10 9 9 9 10 6 7 12 9
3620	15 13 12 15 13 15 7 6 7 7 6 6 11 9 6 5 9 13 11 13
3640	14 11 13 10 12 3 14 14 10 12 7 6 7 6 9 7 5 5 5 5
3660	6 6 3 5 3 9 5 5 6 4 7 7 6 6 8 7 9 5 4 3
3680	3 6 4 3 5 7 5 5 4 4 3 3 4 3 4 6 4 6 6 6
3700	6 8 6 6 5 9 7 9 6 5 6 6 5 6 6 7 8 4 5 5
3720	7 9 7 6 7 6 5 7 7 7 7 7 5 4 6 5 4 5 4 3
3740	4 4 5 5 6 7 8 6 6 6

Circ. @ 3379 1/2, 1  
 Circ. @ 3350 1  
 Circ. @ 3496 1  
 Circ. @ 3530 1

Circ. @ 3370  
 Circ. @ 3520 1  
 Circ. @ 3615 1  
 Circ. @ 3631 1/2

Circ. @ 3645 1  
 Circ. @ 3673  
 Circ. @ 3710 1/2, 1  
 Circ. @ 3730 1/2, 1  
 TD 3730

SCHLUMBERGER WIRE LINE TESTS

WELL #1

Test Depth 3633  
Open 30 minutes  
Recovered 0.04 cu. ft. gas  
FP 0#  
BHP 0#/30 minutes  
HP 2000#

WELL #2

Test Depth 3578  
Open 30 minutes  
Recovered 0.11 cu. ft. gas  
20,300 cc water  
(30% formation water  
70% filtrate water  
w/slight fluorescence)  
FP 0#-100# p.s.i.  
BHP 1510#  
HP 1070#

WELL #3

Test Depth 3565  
Open 30 minutes  
Recovered 0.25 cu. ft. gas  
12,700 cc water  
(7% Bu)  
410 cc oil  
(20%)  
FP 0-100#  
BHP 1050#/30 minutes  
HP 2000#/10.3# mud

BIT RECORD

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>CONDITION</u>	<u>OUT</u>	<u>FEET</u>	<u>HOURS</u>
1	7 7/8	HTC	OSC-9-J	Re-tip	1395	1089	8 1/2
2		HTC	OSC-1-GJ	Re-tip	1380	315	8 1/2
3		Globe	FT	Re-tip	1673	355	5
4		CP	EMIVS	New	2130	255	11 1/2
5		See.	84J	Re-tip	2395	263	7
6		HTC	OSC	New	2588	293	10 1/4
7		HTC	OSC	New	2903	215	10 3/4
8		HTC	OVY	Re-tip	3021	119	9 3/4
9		HTC	OVY	Re-tip	3105	95	8 3/4
10		HTC	OSC-1-G	Re-tip	3269	163	
11		HTC	OVY	Re-tip	3326	117	10
12		HTC	OVY	Re-tip	3496	110	11
13		CP	EM-10	New	3630	186	15 1/2
14		HTC	OVY	New	3730	100	

DRILLING PROGRESS

<u>DATE</u>	<u>Spud</u>	<u>DEPTH</u>	<u>REMARKS</u>
7/10	8 AM	206'	8 5/8" - 186' w/175 sh
19		1420	
20		3110	
21		2525	
22		2903	
23		3106	
24		3173	Down with torque converter
25		3269	Down with Draw works motor
26		3326	
27		3496	
28		3630	
29		3730	Logging & testing
30		3730	Testing, Running 4 1/2"
31		3730	

MUD RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VISC.</u>	<u>WATER LOSS</u>	<u>GAIN</u>	<u>SALT</u>
7/21	3165					.5%
7/27	3365	10.1	34 secs.	14.4	2/32	.3
7/28	3525	10.1	37	12	2/32	Tr.
7/29	3630	10.3	37	12	2/32	Tr.

SCHLUMBERGER SURVEY, ANALYSIS OF

<u>Depth</u>	<u>Porosity</u>	<u>Water Saturation</u>	<u>Zone</u>
3189-91, 94-97	8.0-8.5%	High	Shonsee
3545-48	6	High	II
3573-79	13-15	33-37%	III
3590-98	6-7	High	IV
3600-01	5	High	
3680-88	5-7	50-60%	V
3654-82	5-6.5	75-90%	VI
3790-04	7-14	50-62%	VII

\*\*Schlumberger measurements

RECOMMENDED COMPLETION:

Perforate: Zones IV, III, and II

Treatment: 1. Mud acid - 350-500 gallons  
2. Nol - as indicated by such or ball test

DISCUSSION: ZONES II, III, and IV were found at a satisfactory datum. Each had good porosity and saturation in the samples. Schlumberger porosity for Zones II and IV calculates somewhat low. The results of the Schlumberger analysis versus the Schlumberger wire-line tests are confusing since Zone III, which calculated only 33% water saturation, recovered water on the test. Since this data was not cross-checking and since the samples had good porosity and saturation it was decided to run casing for testing through perforations.

Respectfully submitted,

Charles S. Brown