

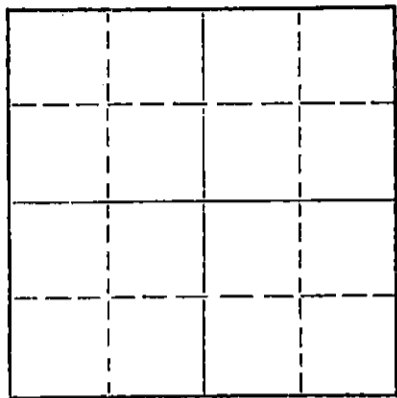
15-097-10160-0000

STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
P. O. Box 17027
Wichita, Kansas 67217
NORTH

WELL PLUGGING RECORD



Locate well correctly on above
Section Plot

Kiowa County, Sec. 23 Twp. 29 Rge. 18 (E) (W)
C of NW - SW
Location as "NE/CNW/SW" or footage from lines
Lease Owner Misco Industries, Inc.
Lease Name Brown Well No. 1
Office Address Wichita, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) _____
Date well completed _____ 19____
Application for plugging filed _____ 19____
Application for plugging approved _____ 19____
Plugging commenced _____ 6-27-19 72
Plugging completed _____ 6-29-19 72
Reason for abandonment of well or producing formation _____

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 G. R. Biberstein
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 4991 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
				8 5/8	356	None
				5 1/2	4343	3030

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.

Plug @ 4200 ft.- sand back to 4150 - dump 5 sax cement - pull 3030 ft.
5 1/2" pipe - plug @ 220 ft.- rock bridge to 210 ft.- dump 3 yds ready mix cement to surface.

RECEIVED
STATE CORPORATION COMMISSION
JUL 19 1972
CONSERVATION DIVISION
Wichita, Kansas

7-19-72

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

Name of Plugging Contractor Ralph Comstock Pipe Pulling, Inc. Permit # 490
Address Stafford, Kansas

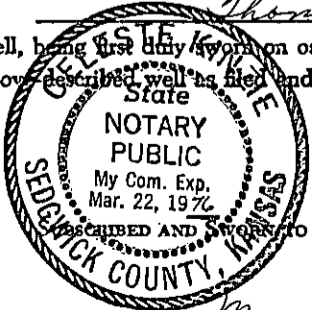
STATE OF Kansas, COUNTY OF Sedgewick, ss.

Thomas R. Spraul (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) Thomas R. Spraul

(Address) _____

Subscribed AND sworn to before me this 17th day of July, 1972



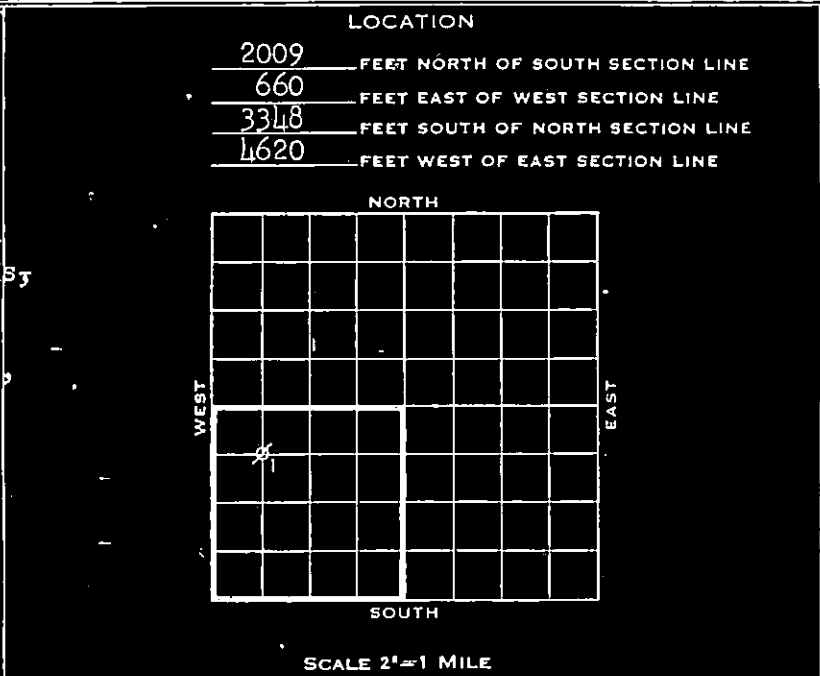
My commission expires March 22, 1976

Lebete Kinzie
Notary Public.

WELL LOG AND RELATED DATA

DIVISION S. W. Producing DISTRICT Buffalo (Konda Area) LEASE Brown, Keith "B"
 ACRES 160 LEASE NO. 15217 AFE NO. 2532 ELEVATION Grd. 2148' - D.F. 2153' WELL NO. 1
 SURV. SEC. 33 TWP. 29 S RGE. 18 W PRCT.-DIST.-TWP. -
 SURVEY (Kiowa-Edwards) COUNTY Kiowa STATE Kansas
 Prospect

LOG			
FROM	TO	TOTAL	FORMATION
(Sample data start at 360')			
0	70	70	Surface Soil
70	360	290	Shale
360	480	120	Sand, light gray, medium fine argillaceous, hard.
480	660	180	Shale & Sand, light gray - reddish brown, silty.
660	780	120	Shale & Lime, gray-light brown, silty dense lime.
780	960	180	Sand & Gypsum, light gray - white, fine.
960	1020	60	Lime & Shale, light brown-gray, fine-crystalline.
1020	1080	60	Shale & Gypsum.
1080	1140	60	Sand & Shale, light green-gray, fine.
1140	1380	240	Anhydrite & Gypsum, white-gray, very fine crystalline argillaceous.
1380	2330	950	Shale, green-light brown, silty gyp.
2330	2660	330	Lime & Shale, light gray.
2660	2810	150	Shale, gray-green, fossil, calcareous.
2810	3610	800	Lime & Shale, light gray, argillaceous fine-crystalline, limestone & black shale.
3610	4090	480	Lime, light brown-gray, fossils, argillaceous, Chert.
4090	HEEBNER		(Geol. Top)
4090	4265	175	Shale & Lime, dark brown-black, silty Shale, brown, fine crystalline limestone.
4265	BROWN LIME		(Geol. Top)
4265	4280	15	Lime & Shale, light brown - buff, argillaceous; Chert w/dark Shale.
4280	LANSING-KANSAS CITY		(Geol. Top)
4280	4286	6	Lime & Shale, light brown, very fine crystalline, chalky in part, gray Shale.
4286	4294	8	Lime, oocastic, porous, show oil.
4294	4312	18	Lime & Shale, light brown, very fine crystalline, dark Shale.
4312	4316	4	Lime, oocastic porous.
4316	4484	168	Lime & Shale, light brown, very fine crystalline, dark Shale.
4484	4486	2	Lime, porous.
4486	4708	222	Lime, Shale & Chert, light brown-buff, very fine crystalline, chalky in part, white & brown Chert.



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	C/A	C/A & B
SET AT	356'	4343'
SACKS CEMENT	250	125
SIZE OF HOLE	12-1/4"	7-7/8"

(Temp. survey indicated top cmt. behind 5-1/2" csg. at 3860'.)

LINER RECORD

SIZE	WT.	COND.	LENGTH	BLANK	PERF.	SET AT

GUN PERFORATING RECORD

DATE	CASING	FROM	TO	SIZE SHOTS	NO. SHOTS
8/ 5/58	5-1/2"	4286	4294	(Squeezed)	32
8/ 9/58	5-1/2"	4286	4294	Jet off)	32

SHOT OR ACID RECORD

DATE	TOP	BOTTOM	SHOT-ACID	REMARKS
8/ 6/58	4286	4294	500 G.	(Petrofrac) Acid
8/ 9/58	4286	4294	250 G.	Mud Acid
8/11/58	4286	4294	5000 G.	Retarded Acid

DRILLING: COMMENCED 7/17/58 COMPLETED 8/ 2/58
 ELECTRICAL SURVEY BY Schlumberger DATE 8/ 1/58
 DRILLED WITH (Capitt Drilling Co.) Rotary TOOLS
 DRILLED IN WITH _____ TOOLS
 FIRST PROD. - NAT. DATE Dry Hole HRS. _____ BBLs. _____ OIL
 WATER _____ M CU. FT. GAS _____ LBS. ROCK PRESS.
 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) Laterolog, Micro-laterolog, Gamma Ray Log.

	TO	TOTAL	FORMATION	FROM	TO	TOTAL	FORMATION
4708	MARMATON		(Geol. Top)				
4708	4811	103	Lime & Shale, light gray-buff, very fine crystalline - dense, black Shale.				
4811	CHEROKEE		(Geol. Top)				
4811	4884	73	Lime & black Shale.				
4884	MISSISSIPPIAN		(Geol. Top)				
4884	4909	25	Shale, waxy, light green, some lime and chert.				
4909	MISS. CHAT ZONE		(Geol. Top)				
4909	4929	20	Lime, Chert, poor show in top 1-1/2' w/slight bleeding around Chert pebbles.				
4929	MISS. LIME		(Geol. Top)				
4929	4941	12	Limestone (See Core Record starting at 4926)				
4941	4991	50	Limestone & Chert, siliceous, fine-crystalline, light gray, shaley green, white Chert.				
4991			TOTAL DEPTH				
	Plugged Back:						
4991	4309	682	(Cement in 5-1/2" csg.)				
4309			TOTAL DEPTH-PB				
(All measurements taken from top of rotary bushing which is 3' above derrick floor)							
				<u>ADDITIONAL WELL DATA:</u>			
				<u>Angular Deviations:</u>			
					Degrees		Degrees
				Depth	Off Vertical	Depth	Off Vertical
				250	1/2	3384	1/2
				785	1	3720	1/2
				1369	3/4	4027	1
				2000	1/2	4445	1/4
				2430	1-1/4	4805	1
				2761	3/4		
				<u>CORE RECORD:</u>			
				Core No.	Depth	Rec.	Description
				1	4920-4926	6'	Chert, poor show in top 1-1/2' with slight bleeding around chert pebbles -
				2	4926-4941	15'	Gray, irregular, broken, limestone, showing waxy, green, shale with occasional limestone pebbles - No show - No permeability or porosity.
				<u>DRILL STEM TESTS:</u>			
				7/26/58		4285-4294	(Kansas City) (Straddle packers 4280 & 4298) - Tool open 1 hr., air to surface immediately, weak blow increasing throughout test. Recovered 270' slightly oil and gas cut mud.
				7/31/58		4881-4926	(Miss.) Tool open 1 hr., No blow, only a few bubbles. Recovered 15' of mud.
				8/ 2/58		4941-4991	(Miss.) Tool open 1 hr., Recovered 570' muddy salt.
				<u>PB & PERFORATE:</u>			
				Set 5-1/2" csg. at 4343', cemented with 12 sx. Pozmix Circulated to 4309 top of cement new plugged back total depth. Lane-Wells perforated 5-1/2" csg. 4286-4294 with 32 shots, 4 shots/ft.			
				<u>ACIDIZE:</u>			
				8/ 6/58 Dowell made acid treatment of Kansas City formation thru perforations in 5-1/2" casing 4286-4294 as follows: Loaded hole with 98 bbls. crude oil - Pumped in 500 gals. XF 42 (petrofrac) acid displacing 17 bbls. of load oil to test tank - Maximum treating pressure 1275# and minimum 1000# - Acid in formation 1 hr. - Flushed with 22 bbls. crude ending flush at 938# pressure.			

(Continued)