

STATE OF KANSAS  
STATE CORPORATION COMMISSION

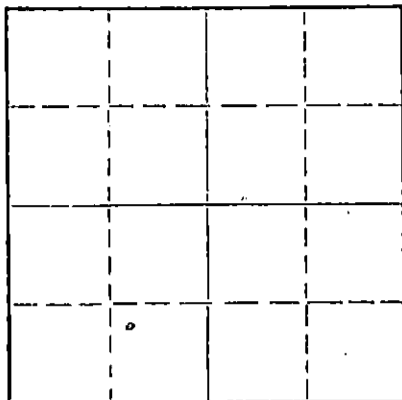
Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 No. Market  
Wichita, Kansas

15-185-12964-6000 Form CP-4

WELL PLUGGING RECORD

Stafford County. Sec. 16 Twp. 23S Rge. (E) 14 (W)  
Location as "NE/CNW/SE/SW" or footage from lines NW SE SW  
Lease Owner The Bovaird Supply Company  
Lease Name Crissman Well No. 5  
Office Address P.O. Box 2590, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) oil  
Date well completed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging filed January 3 1967  
Application for plugging approved \_\_\_\_\_ 19\_\_\_\_  
Plugging commenced January 16 1967  
Plugging completed January 23 1967  
Reason for abandonment of well or producing formation depleted

NORTH



Locate well correctly on above Section Plat

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 Archie Elving  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4055 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
		0	224'	10 3/4"	224'	none
		0	4054'	7"	4054'	2298.40

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.

Pushed plug to 3600', set 10' rock bridge and dumped 6 sacks of cement at 3590'.  
Pushed plug to 218'. Set 8' rock bridge and dumped 25 gallons of sand. Set 2' rock bridge on sand. Mixed 6 sacks of cement with 10# of calcium chloride and dumped. Would not bail down the next day.  
Pushed plug to 210', set 10' rock bridge and dumped 30 gallons of sand. Mixed 5 sacks of cement and dumped on bridge. Leave over week-end. Would not bail down. Hook up pump and run 7 joints (175') of 2" line pipe. Pump in 24 sacks of cement. Pull 2" pipe. Bridge with rock and cap hole with 10 sacks of cement.

2-16-67

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Pipe Pullers, Inc.  
Address Box 486, Ellinwood, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.

Dean Wells (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) Dean Wells  
Ellinwood, Kansas  
(Address)

SUBSCRIBED AND SWORN to before me this 31 day of January, 1967

My commission expires July 7, 1968

Notary Public.

NATURAL GAS AND OIL CORPORATION  
LOG OF WELL

15-185-12964-0000

SHEET No. 1

DATE MADE 1/8/54

Field Crissman Lease Crissman Well No. 5  
 State Kansas County or Parish Stafford Twp. 23 Range 14W Sec. 16  
 Location of Well 990' from S. Line 1650' from the N. Line SW/4  
 Commenced Rigging Up 8/5/53 Commenced Drilling 8/7/53 Completed Well 9/1/53 Contractor Co. Tools  
 Completed as:  Oil Well  Gas Well  Dry Hole—Total Depth 4055 Drls. P. B. Depth 4006  
 Ground Elevation 1955 Derrick Elevation 1958 R. K. B. to Brdnhd. 7'  
Kelly Bushing Elev. 1950

OIL OR GAS ZONES

NAME	FROM	TO	O.W. CONTACT	NAME	FROM	TO	O. W. CONTACT
1. Simpson Sand	3980	4003		3.			
2.				4.			

CASING AND CEMENTING RECORD

SIZE	WT.	GRADE	THDS.	PUT IN WELL FEET	SHOES		SCRATCHERS		CENTRALIZERS		WHERE LANDED FEET	CEMENT		PLUGS		NO. HOURS W.O.C.	FINAL PRESSURE
					LENGTH	MAKE	NO.	DEPTH	NO.	DEPTH		SACKS	TYPE	TOP	BTM		
10 3/4	32#	A	8	224.17			40	4047	1	4055		225	Com.			30	
7	23	A	8	1011.88	15"	Wackon						200	Com	1	1		500#
7	20	A	8	3035.26				up to 4007	1	4015							
									1	3680							
									1	3640							

JAN 11 1957  
 CONSERVATION DIVISION  
 Wichita, Kansas

DRILL STEM TEST RECORD

DATE	INTERVAL TESTED	CHOKE SIZE		CUSHION	IBHFP	FBHFP	BHSIP	MAX. W. H. F. P.	RECOVERY
		TOP	BTM						
8/14/53	3655-71	1/2	3/4		-	140#	1040#		40' O&GCM 60' H. O&GCM 40' 300' MC&HCC oil
8/15/53	3724-43	"	"		-	110#	1120#		30' 220' VSI O&G 300' 180' may S. W&B
8/18/53	3981-4010	"	"		-	-	-		30' Mud

PERFORATION RECORD

FROM	TO	NO. SHOTS	TYPE GUN	PERFORATOR	REMARKS
3994	4000	24		Kone	
3989	3995	24		"	
3991	3997	12		"	

TUBING RECORD

TUBING					PACKER			SAFETY JOINT		LANDING NIPPLE		TAIL PIPE
SIZE	WT.	GRADE	THDS.	PUT IN WELL	TYPE	MAKE	WHERE SET	TYPE	JTS. ABOVE PACKER	MAKE AND TYPE	JTS. ABOVE PACKER	BELOW PACKER
2 7/8	6.5	A	8	3643.63								

Producing Perforations 3989-4000 No. Holes 60 Acidized 200 mud acid  
4000 sand frac  
 No. Gallons \_\_\_\_\_ Breakdown Pressure 3700 PSI; Final Pressure 1100 PSI; Swabbed 1 1/2 P/hr  
 Prod. Began \_\_\_\_\_ I. P.-B.O.D. \_\_\_\_\_ Gravity API Corr. \_\_\_\_\_ Gas Gravity \_\_\_\_\_ Choke \_\_\_\_\_  
 Tub. Press. \_\_\_\_\_ PSI; Csg. Press. \_\_\_\_\_ PSI; B S & W \_\_\_\_\_ %; Gas Volume \_\_\_\_\_ MCF @ \_\_\_\_\_ PSIA;  
 Gas Oil Ratio \_\_\_\_\_; Bbl. Liq./MMCF \_\_\_\_\_; S. I. Tub. Press. \_\_\_\_\_ PSI;  
Book Finney & Stanton Co.

Prepared By \_\_\_\_\_

Total No. Sheets 4

NATURAL GAS AND OIL CORPORATION  
LOG OF WELL

15-185-12964-0000

SHEET No. 1

DATE MADE 1/8/54

Field Crissman Lease Crissman Well No. #5  
 State \_\_\_\_\_ County or Parish \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ Sec. \_\_\_\_\_  
 Location of Well \_\_\_\_\_  
 Commenced Rigging Up \_\_\_\_\_ Commenced Drilling \_\_\_\_\_ Completed Well \_\_\_\_\_ Contractor \_\_\_\_\_  
 Completed as:  Oil Well  Gas Well  Dry Hole—Total Depth \_\_\_\_\_ P. B. Depth 3850  
 Ground Elevation \_\_\_\_\_ Derrick Elevation \_\_\_\_\_ R. K. B. to Brdnhd. \_\_\_\_\_

OIL OR GAS ZONES

NAME	FROM	TO	O. W. CONTACT	NAME	FROM	TO	O. W. CONTACT
1. <u>Landing K.C.</u>	<u>3662-</u>	<u>65</u>		3.			
2.				4.			

CASING AND CEMENTING RECORD

SIZE	WT.	GRADE	THDS.	PUT IN WELL FEET	SHOES		SCRATCHERS		CENTRALIZERS		WHERE LANDED FEET	CEMENT		PLUGS		NO. HOURS W.O.C.	FINAL PRESSURE
					LENGTH	MAKE	NO.	DEPTH	NO.	DEPTH		SACKS	TYPE	TOP	BTM		

JAN 11 1954  
 CONSERVATION DIVISION  
 (Shita, Kansas)

DRILL STEM TEST RECORD

DATE	INTERVAL TESTED	CHOKE SIZE		CUSHION	IBHFP	FBHFP	BHSIP	MAX. W. H. F. P.	RECOVERY
		TOP	BTM						

PERFORATION RECORD

FROM	TO	NO. SHOTS	TYPE GUN	PERFORATOR	REMARKS
<u>3662</u>	<u>3671</u>	<u>48</u>		<u>Kone</u>	

TUBING RECORD

TUBING					PACKER			SAFETY JOINT		LANDING NIPPLE		TAIL PIPE
SIZE	WT.	GRADE	THDS.	PUT IN WELL	TYPE	MAKE	WHERE SET	TYPE	JTS. ABOVE PACKER	MAKE AND TYPE	JTS. ABOVE PACKER	BELOW PACKER

Producing Perforations 3662-71 No. Holes 48 Acidized Dowell X  
 No. Gallons 1000 Breakdown Pressure \_\_\_\_\_ PSI; Final Pressure \_\_\_\_\_ PSI; Swabbed 18 bbls.  
 Prod. Began \_\_\_\_\_ I. P.-B.O.D. \_\_\_\_\_ Gravity API Corr. \_\_\_\_\_ Gas Gravity \_\_\_\_\_ Choke \_\_\_\_\_  
 Tub. Press. \_\_\_\_\_ PSI; Csg. Press. \_\_\_\_\_ PSI; B S & W \_\_\_\_\_ %; Gas Volume \_\_\_\_\_ MCF @ \_\_\_\_\_ PSIA;  
 Gas Oil Ratio \_\_\_\_\_; Bbl. Liq./MMCF \_\_\_\_\_; S. I. Tub. Press. \_\_\_\_\_; S. I. Casing Press. \_\_\_\_\_ PSI;

Prepared By \_\_\_\_\_  
 Total No. Sheets \_\_\_\_\_

NATIONAL GAS AND OIL CORPORATION

LOG OF WELL

SHEET No. 3

15-185-12964-0000

FIELD		LEASE		WELL NO.	
Crissman		Crissman		5	
FORMATION	FEET	FROM	TO	REMARKS	
Sample Tops				Schlumberger Tops	
Heebner	3396	-1436		Heebner	3394 -1434
Br. Lime	3528	-1568		Br. Lime	3528 -1568
Lansing	3541	-1581		Lansing	3541 -1581
Base Kansas City	3775	-1815		Base Kansas City	3780 -1820
Mississippi	3861	-1901		Mississippi	3866 -1906
Viola	3915	-1955		Viola	3912 -1952
Simp. Shale	3970	-2010		Simp Shale	3970 -2010
Simp. Sand	3980	-2020		Simp Sand	3980 -2020
Arbuckle	4029	-2059		Arbuckle	4021 -2051
Drillers T.D.	4055	-2095		Schl. T.D.	4054 -2094

171  
 STATE OF KANSAS  
 CONSERVATION COMMISSION

JAN 11 1967

CONSERVATION DIVISION  
 Wichita, Kansas

In regards to Natural Gas & Oil Corporation's #5 Crissman in the NW SE SW of 16-23S-14W, Stafford County, Kansas, the following formation, shows of oil and zones of porosity were noted.

Heebner 3396 (-1436) Black Carbonaceous Shale.

Brown Lime 3528 (-1568) Dense Brown crystalline lime.

Lansing K C 3541 (-1581)

3568-72 White to cream fossiliferous lime, no show, poor vugular porosity.

3607-17 Gray and brown mottled lime, occasional chalky lime, no show,  
3626-37 no to poor porosity.

3662-65 Coarse oocastic lime with a poor to fair show of spotted stain and saturation. Live oil, fair odor and fair to good oocastic porosity.

DST #1, 3655-71, open 1 hr., strong blow, gas to surface in 22 min., recovered 40' O&GCM 60' HO&GCM, 300' MC&HGC oil, FFP 140#, BHP 1040#, 15 min shut in.

3702-04 White oocastic lime, no shows, no odor, good oocastic  
3708-10 porosity.

3733-42 White granular to a fine crystalline lime with a poor to fair show of spotted stain and saturation live oil, slight odor, poor to fair porosity.

DST #2, 3724-43, open 1 hr., fair to good blow, recovered 60' gas, 30' V. Sl. O&GCM, 180' muddy salt water. FFP 110#, BHP 1120#, shut in 15 min.

Mississippi 3861 (-1901)

Bone white opaque chert and trace white tripolitic chert, scattered traces of oil stain. No odor, no - poor porosity.

Viola 3915 (-1955)

Bone white chert, occasional tripolitic chert and white cherty lime. Scattered traces of oil stain. No odor, no porosity.

Simpson Sand 3980 (-2020)

Sub rounded sand clusters and sandy dolomite. Poor show of spotted stain and saturation, trace of live oil, slight odor, poor porosity (shaly).

DST #3, 3981-4010, open 1 hr., weak blow 24 min., recovered 30' mud, 0# BHP in 15 min.

Arbuckle 4029 (-2069)

Buff and grayish medium crystalline and occasional coarse crystalline dolomite. No shows, no odor, poor to fair, and traces of good intercrystalline porosity.

On the top of the Lansing the #5 Crissman was 2' lower than the #2 Crissman and level with the #3 Crissman. On the top of the Arbuckle the #5 Crissman was 1' lower than the #2 Crissman and 3' higher than the #3 Crissman.