

STATE OF KANSAS
STATE CORPORATION COMMISSION

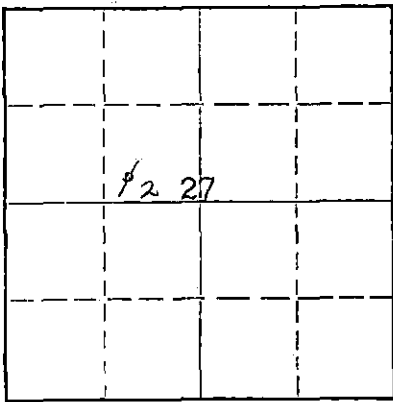
Form CP-4

WELL PLUGGING RECORD

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

Stafford County, Sec. 27 Twp. 25S Rge. 14 (E) 14 (W)

Location as "NE/CNW/SW" or footage from lines SW/4 SE/4 NW/4
Lease Owner Skelly Oil Company
Lease Name I. M. Toland
Office Address 1860 Lincoln Street, Denver, Colorado Well No. 2
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed April 1, 19 60
Application for plugging filed April 11, 19 67
Application for plugging approved April 14, 19 67
Plugging commenced June 27, 19 67
Plugging completed July 4, 19 67
Reason for abandonment of well or producing formation Uneconomical to operate
If a producing well is abandoned, date of last production May 31, 19 67
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Flat

Name of Conservation Agent who supervised plugging of this well Mr. A. Elving
Producing formation Lansing Lime Depth to top 3706' Bottom Total Depth of Well 3942 Feet
Show depth and thickness of all water, oil and gas formations. PB 3908'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Lansing Lime	Oil	3850'	3853'	8-5/8"	850'	None
				5-1/2"	3944'	3199.85'

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.

Fill up	3908' to 3905'
Sand	3905' to 3800'
20 sacks of cement	3800' to 3660'
Mud	3660' to 325'
Rock	325' to 305'
Cement	305' to 230'
Mud	230' to 40'
Rock	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

RECEIVED
STATE CORPORATION COMMISSION
AUG 28 1967
CONSERVATION DIVISION
WICHITA, KANSAS
8-28-67

Name of Plugging Contractor Ralph Comstock Pipe Pulling, Inc.
Address 320 North Park, Stafford, Kansas 67578

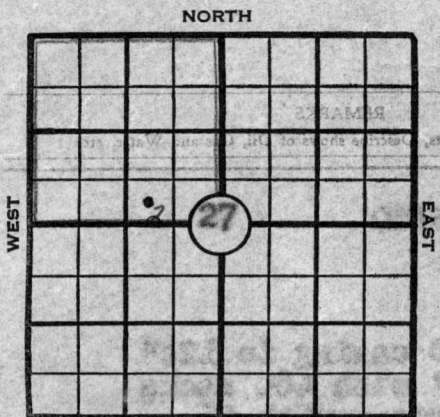
STATE OF Colorado, COUNTY OF Denver, ss.
Leland Franz (employee of owner) or (owner) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Leland Franz
1860 Lincoln St., Denver, Co. 80203
(Address)

SUBSCRIBED AND SWORN to before me this 24th day of August, 19 67

My commission expires June 17, 1970

Notary Public



SKELLY OIL COMPANY

Well Record

Rec'd 2-28-67

Lease Name and No. I. M. Toland Lse. #66212 Well No. 2
 Lease Description NW/4 Section 27-25S-14W, Stafford County, Kansas (160 Acres)

Location Staked February 22, 1960 by T. L. Dix
330 feet from south line 990 feet from east line
 of NW/4 Section 27-25S-14W

Elev. K.B. 1981'
D.F.
 Elev. G.L. 1979'
EH 1976'
 Work Com'd. 2/24 19 60

Drilling Contractor Chas. Hulme Drilling Contractor
 Drilling Com'd. 2/25 19 60 Reached Total Depth 3/9 19 60

Rotary Drilling from Surface to 3942' Cable Tool Drilling from To complete to
 Well Completed April 1, 19 60 Total Depth 3942' P.B.T.D. 3908'

Initial Completion Test April 1, 19 60 POB 8 hours, 32.56 barrels oil and 3.25 barrels water to establish 24 hour S.C.C. potential of 98 barrels oil

Pressures: F.C.P. _____ F.T.P. _____ S.I.C.P. _____ S.I.T.P. _____

PRODUCING FROM

FORMATION	thru	OPEN HOLE PERFORATIONS	TOP	BOTTOM	Total No. Shots
<u>LANSING LINE</u>			<u>3850'</u>	<u>3853'</u>	<u>13</u>
FORMATION	thru	OPEN HOLE PERFORATIONS	TOP	BOTTOM	Total No. Shots
FORMATION	thru	OPEN HOLE PERFORATIONS	TOP	BOTTOM	Total No. Shots

CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		All Measurements were taken from top of Kelly Bushing which is _____ ft. Derrick Floor from top of surface casing <u>Flange Collar</u>
			Sacks Used	Top Cem't Bh'd. Cas'g.	
Surface	<u>8-5/8"</u>	<u>855'</u>	<u>540</u>	<u>Surface</u>	
Intermediate					
Production	<u>5-1/2"</u>	<u>3942'</u>	<u>60</u>	<u>3625'</u>	
Liner					Top Liner: _____

Size	Wt.	Thds.	Kind	Cond.	LEFT IN				PULLED OUT				
					Jts.	LTM		WTM		Jts.	LTM		WTM
<u>8-5/8"</u>	<u>22.7</u>	<u>SJ</u>	<u>Arco SW</u>	<u>A</u>	<u>22</u>	<u>Feet</u>	<u>0</u>	<u>In.</u>	<u>Feet</u>	<u>0</u>	<u>In.</u>		
<u>5-1/2"</u>	<u>14</u>	<u>BR</u>	<u>J55 R2 SS</u>	<u>B</u>	<u>120</u>	<u>3944</u>	<u>0</u>	<u>3970</u>	<u>3</u>				
<u>5 1/2" casing perforations open:</u>													
<u>Above PB TD: 3850'-3853' with 13 holes</u>													
<u>Below PB TD: None</u>													

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	TOP	BOTTOM	GAS		OIL		REMARKS
			FROM	TO	FROM	TO	
<u>Source: Welex Heebner Shale</u>	<u>3526'</u>						
<u>Brown Lime</u>	<u>3676'</u>						
<u>LANSING LINE</u>	<u>3706'</u>				<u>3850'</u>	<u>3853'</u>	<u>Effective Pay by Gamma Neutron Survey</u>

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>3/12/60</u>	<u>Acid</u>	<u>3850'-3857'</u>	<u>250 gals. MCA acid</u>
<u>3/17/60</u>	<u>Acid</u>	<u>3850'-3853'</u>	<u>250 gals. 15% acid</u>
<u>3/18/60</u>	<u>Acid</u>	<u>3850'-3853'</u>	<u>150 gals. 15% and 500 gals. HV acid</u>

WORKOVER RECORD

TYPE WORK	DATE COM'D.	DATE COMP.	Plugged back or Deepened		PROD. BEFORE	PROD. AFTER
			FROM	TO		

RECORD OF FORMATIONS

SKELLY OIL COMPANY

FORMATION TOP BOTTOM REMARKS Indicate Casing Points, Describe shows of Oil, Gas and Water, etc.

Table with 3 columns: Formation, Top, Bottom. Rows include Clay, Sand and gravel, Red bed, Shale, Shale and anhydrite.

Spudded 2/25/60. Set 8-5/8" OD casing in 12 1/2" hole at 855' with 400 sacks of common cement with 2% gel and 1% calcium chloride.

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Table with 3 columns: Formation, Top, Bottom. Rows include Shale, Shale, salt, and shells, Chalky lime and shale, Line, Lime and shale, Line, Shale and line, Line, Line and shale.

Cement did not circulate. Recemented with 80 sacks of common cement, 2% Gel, 1% calcium chloride. Cement circulated. TOP HENNER SHALE 3526' TOP BROWN LIME 3676' TOP LANSING LIME 3706'

Table with 3 columns: Formation, Top, Bottom. Rows include Lime, Buff, slightly oolitic limestone, poor to fair scattered porosity, fair scattered stain, small show free oil.

DRILL STEM TEST NO. 1 3841'-3859' (18') tool open 1 hour, gas to surface in 14 mins., too small to gauge, recovered 30' gas cut mud, IBHP-215/ 15 mins., I & FFP-200/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Buff, oolitic and oolitic limestone, fair porosity, poor very scattered stain, small show free oil.

DRILL STEM TEST NO. 2 3859'-3892' (33') tool open 1 hour, weak blow of air throughout test, recovered 20' drilling mud, IBHP-800/ 20 mins., I & FFP-20/ 20 minutes.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream flinty crystalline limestone, poor porosity, scattered poor spotted stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

Ran Welox Gamma Neutron and Guard Log.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream flinty crystalline limestone, poor porosity, scattered poor spotted stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

Ran Welox Gamma Neutron and Guard Log.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

Ran Welox Gamma Neutron and Guard Log.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

Ran Welox Gamma Neutron and Guard Log.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

Ran Welox Gamma Neutron and Guard Log.

Table with 3 columns: Formation, Top, Bottom. Rows include Line, Cream, tight, limestone, poor porosity, poor scattered stain.

DRILL STEM TEST NO. 3 3892'-3942' (50') open 1 hour, strong blow air throughout test, recovered 60' gas cut mud, 180' salt water, IBHP-395/ 15 mins., IFFP-20/ FFP-73/ 15 mins.

PERFORATION JOB NO. 1 - Lansing Lime - 3850'-3857'
Perforated 5½" casing by Lane-Wells as follows:

3850'-3857' - 7' - 29 holes

Bailed 2 hours, 1 gallon muddy water per hour.

TREATMENT NO. 1 - (Acid) - 3850'-3857'

3/12/60 treated through 5½" casing with 250 gallons of Halliburton NCA acid, used 98 barrels oil to flush, maximum CP-1150#, minimum CP-850#, time 7 minutes, injection rate 1.2 barrels per minute.

Swabbed through 5½" casing 6 hours, 90 barrels of oil used in treating, 6 barrels of spent acid water and 35 barrels of salt water. Swabbed through casing 4 hours, 1 barrel of oil used in treating and 78 barrels of water.

Ran 2" tubing and set Halliburton DM cement retainer at 3838'. Cemented off perforations from 3850' to 3857' with 50 sacks of common cement, maximum TP-3300#. Finished 6:30 pm 3/13/60. Pulled tubing.

Swabbed and bailed hole dry to top of cement retainer at 3838', 5½" casing tested dry. Drilled cement retainer and cement and cleaned out to 3854'. Bailed 1 hour, tested dry.

PERFORATION JOB NO. 2 - Lansing Lime - 3850'-3853'

Perforated 5½" casing by Lane-Wells as follows:

3850'-3853' - 3' - 13 holes

Bailed 4 hours, 3 gallons of water first hour decreasing to 1 quart last hour; then bailed 2 hours, no recovery.

TREATMENT NO. 2 - (Acid) - 3850'-3853'

3/17/60 treated through 5½" casing with 250 gallons of Halliburton 15% acid, 97 barrels of oil to flush, maximum CP-2700#, minimum CP-1750#, time 2 hours 10 minutes, injection rate ¾ barrels per minute.

Swabbed through 5½" casing 10 hours, 95 barrels of oil used in treating, 6 barrels of spent acid water. Bailed 7 hours, 10 gallons of oil used in treating and 6 gallons of water per hour.

Bailed through 5½" casing 2 hours, 5 gallons of oil and 5 gallons of water per hour.

TREATMENT NO. 3 - (Acid) - 3850'-3853'

3/18/60 treated through 5½" casing with 150 gallons of Halliburton 15% acid and 500 gallons of HV acid, used 105 barrels oil to flush, maximum CP-1200#, minimum CP-1000#, time 6 minutes, injection rate 2½ barrels per minute.

Let set 4 hours; then swabbed through 5½" casing 16 hours, 105 barrels of oil used in treating, 14 barrels of spent acid water. Bailed through 5½" casing 7 hours, 46 gallons of oil and 20 gallons of water per hour.

Drilled cement and cleaned out to 3908'SLM. Bailed 7 hours, 46 gallons of oil and 20 gallons of water per hour.

Plugged Back Total Depth 3908'SLM

Ran 2" tubing and set at 3905'. Ran rods and pump and shut down to install pumping equipment.

On April 1, POB 8 hours, 32.56 barrels of oil and 3.25 barrels of water to establish 24 hour State Corporation Commission potential of 98 barrels of oil. Allowable 25 barrels per day.

Completed April 1, 1960, as an oil well in the Lansing Lime formation.

SLOPE TEST DATA	
DEPTH	ANGLE OF DEFLECTION
1000'	0 Degrees
1500'	¾ "
2000'	½ "
2500'	¼ "
3000'	¾ "
3500'	¾ "

See

RECEIVED
COMMISSION ON INTER-STATE COMMERCE
AUG 28 1967
REGISTRATION DIVISION
WASH DC 20540

2 NORTH O'FITHORP ST

3000000

2 NORTH O'FITHORP ST

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THE UNITED STATES OF AMERICA
DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS
WASHINGTON, D. C. 20540

SKELLY OIL COMPANY

CHANGE IN WELL RECORD

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc, not recorded in original well record.

LEASE NAME I. M. Toland WELL NO. 2 DISTRICT Rocky Mountain
 SEC. 27 T. 25S R. 14W COUNTY Stafford AFE NO. 22244
 BLOCK _____ SURVEY _____ STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced June 27, 1967 Date completed July 4, 1967
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3908' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before 1 bbls. oil _____ bbls. water _____ cu. ft. gas. _____
 Production after Ralph Comstock Pipe Pulling, Inc. bbls. oil _____ bbls. water _____ cu. ft. gas. _____
 Tools owned by; _____ Kind used; Pulling Unit No. days rig time; _____
 Cost of Job \$ _____ Revised Estimated Payout (Mos.) _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		REMARKS
			Sacks Used	Top Cem't. Bh'd. Cas'g.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT					
					Jts.	LTM	Feet	In.	Jts.	LTM	Feet	In.		
<u>5-1/2"</u>	<u>144</u>	<u>88</u>	<u>J55 R2 SS</u>	<u>0</u>	<u>23</u>	<u>135</u>	<u>9</u>	<u>770</u>	<u>9</u>	<u>97</u>	<u>3177</u>	<u>0</u>	<u>3200</u>	<u>0</u>

PRODUCING FROM

FORMATION _____ thru OPEN HOLE PERFORATIONS TOP _____ BOTTOM _____ Total No. Shots _____

REMARKS (Give review of work performed and any other comment of interest)

As the well is no longer economical to operate and as there are no further zones considered worthy of testing, and the well is not needed for waterflooding, regular authority was granted to plug and abandon it.

On June 27, 1967, moved in and rigged up casing pulling unit of Ralph Comstock Pipe Pulling, Inc. Ran steel line measurement and found hole filled up from 3908' to 3905'. Plugged the well as follows:

Sand 3905' to 3800'
 20 sacks of cement 3800' to 3660'

Shot 5 1/2" casing at 3482', 3334', and 3178'. Pulled 97 joints (3199.85') of 5 1/2" casing.

Mud	3660' to 325'
Rock	325' to 305'
Cement	305' to 230'
Mud	230' to 40'
Rock	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

Plugged and abandoned July 4, 1967.

RP

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

TYPE OF WORK _____

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STATE CORPORATION COMMISSION
AUG 28 1967
CONSERVATION DIVISION
Wichita, Kansas

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

DATE	TYPE OF WORK	WELL NO.	WELL NAME	COUNTY	STATE

WELL NO. _____
WELL NAME _____
COUNTY _____
STATE _____

SKELLY OIL COMPANY

ASSIGNED TO ORIGINAL WELL RECORD. Give appropriate attention to oil company and retaining duplicate copies in case of loss. If in duplicate, not

CHANGE IN WELL RECORD