

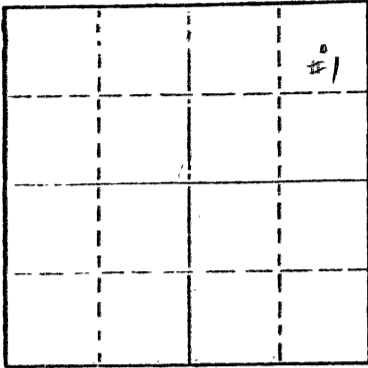
STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Commission
245 North Water
Wichita, KS 67202

15-153-30099-00-00

FORM CP-4

WELL PLUGGING RECORD



Locate well correctly on above Section Plat

Rawlins County, Sec. 14 Twp. 1S Rge. ~~35~~ 35 (W)
Location as "NE/CNWxSWx" or footage from lines C NE NE
Lease Owner Skelly Oil Company
Lease Name H. A. Savage Well No. 1
Office Address P.O. Box 339 - Hays, Kansas 67601
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed July 31, 1962
Application for plugging filed March 4, 1976
Application for plugging approved March 5, 1976
Plugging commenced April 26, 1976
Plugging completed April 27, 1976
Reason for abandonment of well or producing formation Casing failure and unable to repair same
If a producing well is abandoned, date of last production December 4, 1975
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 Balthazor - Palco, Kansas
Producing formation Lansing KC Depth to top 4141' Bottom 4322' Total Depth of Well 4370' 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
Lansing	oil	4181'	4183'	8 5/8" OD	287'	None
				5 1/2" OD	4370'	None

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.

Spotted 50 sacks 50-50 Pozmix "A" w/ 3% gel 1900' to 1350'; 1 sacks hulls at 650' and 50 sacks 50-50 Pozmix "A" w/3% gel from 550' to surface completed P & A 4-27-76.

05-19-1976

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

Name of Plugging Contractor Coleman Bros. Well Service
Address P.O. Box 543 - McCook, Nebr. 69001

STATE OF Kansas COUNTY OF Ellis ss.

Frank Renard (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) Frank Renard

P.O. Box 339 - Hays, Kansas 67601

(Address)

SUBSCRIBED AND SWORN TO before me this 18th day of May, 1976.

Gregory J. Herrman
Notary Public.

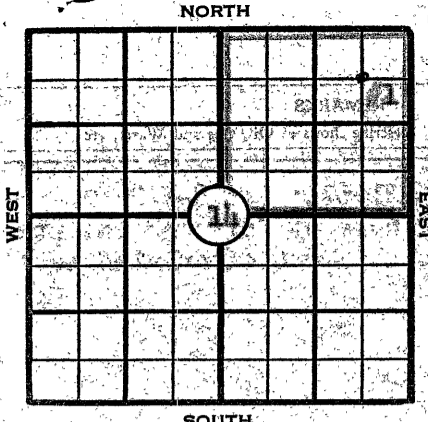
My commission expires _____

Gregory J. Herrman
STATE NOTARY PUBLIC
ELLIS COUNTY, KANSAS
MY COMM. EXP. 3-24-79

15-153-30099-0-0-0

SKELLY OIL COMPANY

Well Record



Lease Name and No. H. A. Savage Lease No. 61296 Well No. 1
 Lease Description NE/4 Section 14-15-35W
Hawkins County, Kansas (160 Acres)

Location Staked June 29, 19 62 by Laughlin-Simmons
660 feet from North line 660 feet from East line
 of Section 14.

Elev. K.B. 3157'
 D.F. 3154'
 Elev. G.L. 3152'

Drilling Contractor Murfin Drilling Company

Work Com'd. June 29, 19 62 Drilling Com'd. July 5, 19 62 Reached Total Depth July 13, 19 62

Rotary Drilling from Surface to 4370' Cable Tool Drilling from - to -

Well Completed July 31, 19 62 Total Depth 4370' P.B.T.D. 4212'

Initial Completion Test July 31, 19 62 POB 24 hours @ 15/32" SPW for 13.47 barrels of oil and 64 barrels of salt water.

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

PRODUCING FROM

<u>LANSING</u>	thru	<u>OPEN HOLE PERFORATIONS</u>	<u>4181'</u>	<u>4183'</u>	Total No. Shots <u>0</u>
FORMATION			TOP	BOTTOM	
FORMATION	thru	<u>OPEN HOLE PERFORATIONS</u>	TOP	BOTTOM	Total No. Shots
FORMATION	thru	<u>OPEN HOLE PERFORATIONS</u>	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 <u>7</u> ft. from top of surface casing <u>Range Collar</u>
			Sacks Used	Top Cem't Bh'd. Cas'g.	
Surface	<u>8-5/8"</u>	<u>287'</u>	<u>245</u>	<u>Surface</u>	
Intermediate					
Production	<u>5 1/2"</u>	<u>4370'</u>	<u>150</u>	<u>3414'</u>	
Liner					Top Liner:

Size	Wt.	Thds.	Kind	Cond.	LEFT IN				PULLED OUT				
					Jts.	Feet	In.	Feet	In.	Jts.	Feet	In.	Feet
<u>8-5/8"</u>	<u>22.7</u>	<u>-</u>	<u>Arco SMSJ</u>	<u>A</u>	<u>7</u>	<u>280</u>	<u>0</u>	<u>-</u>	<u>-</u>				
<u>5 1/2"</u>	<u>14</u>	<u>3rd</u>	<u>B-2 H2O NEW</u>	<u>C</u>	<u>130</u>	<u>3951</u>	<u>3</u>	<u>3983</u>	<u>2</u>				
<u>5 1/2"</u>	<u>15.5</u>	<u>3rd</u>	<u>B-2 J-55 SS</u>	<u>C</u>	<u>13</u>	<u>410</u>	<u>2</u>	<u>414</u>	<u>0</u>				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	TOP	BOTTOM	GAS		OIL		REMARKS
			FROM	TO	FROM	TO	
<u>Source - Schumberger</u>							
<u>Stone Corral</u>	<u>3027</u>	<u>3058</u>					
<u>Topeka Lime</u>	<u>3858</u>						
<u>Oread Lime</u>	<u>3957</u>						
<u>LANSING LIME</u>	<u>4079</u>				<u>4181'</u>	<u>4182'</u>	<u>Effective pay by Microlog</u>
<u>Base KC</u>	<u>4314</u>				<u>4232'</u>	<u>4235'</u>	<u>Effective pay by Microlog</u>
					<u>4273'</u>	<u>4275'</u>	<u>Effective pay by Microlog</u>

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>7-21-62</u>	<u>Acid</u>	<u>4312-16'; 4319-22'</u>	<u>500 gal. Halliburton 15% regular acid.</u>

WORKOVER RECORD

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

See Reverse for detail information

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Clay, Sand, & Shale	Surface	290	Spudded July 5, 1962. Set 3-5/8" OD casing in 12 1/2" hole at 287' and cemented with 2 1/2 sacks. Cement circulated to surface.
Shale	290	1160	
Sand & Shale	1160	2240	
Sand & Pyrite	2240	2390	
Sand & Shale	2390	2735	
Gyp & Red Beds	2735	3027	Top Stone Corral 3027'
Anhydrite	3027	3060	Base Stone Corral 3058'
Shale	3060	3065	
Shale & Sand	3065	3250	
Line & Shale	3250	4210	Top Topeka 3058' Top Oread 3957' TOP LANSING 4079'
			Drill Stem Test No. 1 - 4177'-4210'; (Lansing "G" Zone) Tool open 1 1/2 hours. Recovered 120' of free oil, 60' of oil cut mud, 60' of oil and water cut mud, and 240' of salt water. IFF 45%. FFP 210'. ISIP 1065/30 minutes. PSIP 1035/30 minutes. Hydrostatic Pressure 2275'.

Line 4210 4275
Line & Shale 4275 4370 Base Kansas City 4344'

TOTAL DEPTH 4370' Reached total depth July 13, 1962

Ran Schlumberger Induction-Electrical and Logging to 4370'.

Ran 1 1/3 joints of 5 1/2" OD casing and set at 4370' with 150 sacks of regular cement, 1/2 gal. Plug down 2:45 P.M. 7-14-62.

July 20, 1962 Moved in and rigged up Post & Brown Cable Tools.

Dry tested 5 1/2" OD casing 1 hour. No leaks.

Loaded hole with 7 barrels of oil.

Ran McCullough Correlation log to 4344'.

Perforation Job No. 1 - 4312-4316' and 4319-4322'

Perforated 5 1/2" OD casing (Lansing "K" Zone) with 4 McCullough M-3 bullets per foot as follows:

4312 - 4316' (4')	16 shots
4319 - 4322' (3')	12 shots
TOTAL (7')	28 shots

Recovered load oil used to perforate and tested 1 hour for no shows of oil or water.

Treatment No. 1 - 4312 - 4316' and 4319 - 4322'

(1st treatment in Lansing "K" Zone)
Treated formation down 5 1/2" OD casing through casing perforations 4312-4316' and 4319-4322' with 500 gallons of Halliburton 15% regular acid. Maximum pressure 700%. Minimum pressure 475%. Injection rate 8 gallons per minute. On vacuum 25 minutes after job was completed. Used a total of 105 barrels of oil to flush acid.

Swabbed 5 1/2" OD casing 5 1/2 hours to recover load oil.

Swabbed 5 1/2" OD casing 6 hours through casing perforations 4312-4316' and 4319-4322' (Lansing "K" Zone) for 30 barrels of new oil and 70 barrels of salt water.

Set Guiberson cast iron bridge plug on McCullough wire line at 4300'.

Swabbed hole dry and tested 1 hour for no leaks.

Loaded hole with 1 1/2 barrels of oil.

Perforation Job No. 2 - 4274-4276' and 4280-4282'

Perforated 5 1/2" OD casing (Lansing "J" Zone) with 4 McCullough M-3 bullets per foot as follows:

4274 - 4276' (2')	8 shots
4280 - 4282' (2')	8 shots
TOTAL (4')	16 shots

Recovered load oil used to perforate.

Swabbed 5 1/2" OD casing 2 hours for 8 barrels of new oil and 20 barrels of salt water.

Drilled and drove bridge plug at 4300' to 4342'.

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Set Guiberson cast iron bridge plug on McCullough wire line at 4266'.

Swabbed hole dry and tested 1 hour for no leaks.

Perforation Job No. 3 - 4247'-4249'

Perforated 5 1/2" OD casing (Lansing "I" Zone) with 1/2" McCullough N-3 bullets per foot as follows:

4247-4249' (2') 8 shots

Recovered load oil used to perforate.

Swabbed 5 1/2" OD casing 14 1/2 hours for 22 barrels of new oil and 56 barrels of salt water.

Swabbed 5 1/2" OD casing 5 1/2 hours for 8.3 barrels of oil and 49 barrels of salt water.

Set Guiberson cast iron bridge plug on McCullough wire line at 4242'.

PLUGGED BACK TOTAL DEPTH - 4242'

Swabbed hole dry and tested 1 hour for no leaks.

Perforation Job No. 4 - 4181-4183'

Perforated 5 1/2" OD casing (Lansing "G" Zone) with 1/2" McCullough N-3 bullets per foot as follows:

4181-4183' (2') 8 shots

Recovered load oil used to perforate.

Swabbed 5 1/2" OD casing 16 hours for 28 barrels of oil and 52 barrels of salt water.

Swabbed 5 1/2" OD casing 6 hours for 11.85 barrels of oil and 21.99 barrels of salt water.

Ran 138 joints of 2" 4.7# HUE 3rd R-2 J-55 SS "B" condition tubing set at 4224'. Tubing perforations were from 4193-4196' with seating nipple set at 4192'. Ran 2" x 1 1/2" x 15' insert type pump (Condition "B").

Ran 166 - 3/4" x 25' Jones #7 P&P sucker rods (Condition "C").

POB 17 hours @ 14/54" SPM for 19.72 barrels of oil and 82.36 barrels of salt water.

POB 8 hours @ 16/54" SPM for 6 barrels of oil and 37 barrels of water.

POB 21 hours @ 15/54" SPM for 38 barrels of oil and 108 barrels of water.

July 31, 1962 - POB 24 hours @ 15/54" SPM for 43.47 barrels of oil and 64 barrels of salt water.

SLOPE TEST DATA

Depth	Angle in Degrees
150'	1°
290'	3/4°
800'	1°
1300'	2°
1811'	2°
2140'	1 1/2°
2243'	1°
2439'	1°
3060'	1 1/2°
3800'	1°

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.

15-153-30099-00-00

LEASE NAME H. A. Savage #64296
 SEC. 14 T. 19 R. 35W
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Flatto
 COUNTY Rawlins AFE NO. Exp.
 STATE Kansas

TYPE OF WORK TEST LANSING D & H ZONES

Date commenced December 17, 1965 Date completed December 25, 1965
 Deepened from _____ to _____ Total Depth _____
 Plugged back from _____ to _____ P.B.T.D. 4242'
 Cleaned out from _____ to _____
 Production before 10 bbls. oil 19 bbls. water _____ cu. ft. gas.
 Production after 28 bbls. oil 72 bbls. water _____ cu. ft. gas.
 Tools owned by: Coleman Bros. Well Service Kind used: Pulling Unit No. days rig time; 3
 Cost of Job \$ _____ Revised Estimated Payout (Mos.) _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
12/18/65	Acid	4232'-4235'	250 gals. NE
12/18/65	Acid	4141'-4143'	250 gals. NE

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		WTM		Jts.	LTM		WTM			
						Feet	In.	Feet	In.		Feet	In.	Feet	In.		
5 1/2" casing perforations open:																
Above PB TD: 4141'-4143'/8, 4181'-4143'/8, 4232'-4235'/12 holes																
Below PB TD: 4247'-4249'/8, 4274'-4276'/8, 4280'-4282'/8,																
4312'-4316'/16, 4319'-4322'/12 holes																

PRODUCING FROM

LANSING-KANSAS CITY FORMATION thru HOPEWELL PERFORATIONS 4141' TOP 4235' BOTTOM Total No. Shots 28

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

December 17, 1965, moved in and rigged up pulling unit of Coleman Bros. Well Service to test Lansing "D" and "H" zones. Pulled tubing and rods.

PERFORATION JOB NO. 5 - Lansing - 4141'-4235'
 5 1/2" casing perforated with 4 Series "H" holes per foot by Lane-Wells:

4232'-4235' - 3' - 12 holes - "H"
 4141'-4143' - 2' - 8 holes - "D"
5' 20

Ran 2" tubing and set Lane-Wells BOC packer at 4211' with tubing perforations and seating nipple below packer.

TREATMENT NO. 3 - Acid - 4232'-4235'
 December 18, 1965, treated through tubing by Howco with 250 gallons NE acid, no pressures, average injection rate 2 1/2 barrels per minute, flushed with 21 barrels oil.

Reset packer at 4168'.

TREATMENT NO. 4 - Acid - 4141'-4143'
 12/18/65 treated through annulus by Howco with 250 gallons NE acid by Howco, 84 gallons acid in formation with 900# on annulus, let set overnight, pressured up annulus after 12 hours, 1 barrel acid in formation at 900#, pressure dropped to 650# in 15 minutes.

Released packer. Lowered 2" tubing and set Lane-Wells BOC packer at 4239'. Ran rods and pump. Moved out pulling unit December 19, 1965.

PLUGGED BACK TOTAL DEPTH 4242'

December 19, 1965, POB 12 hours, 11-44"SPM, 20 barrels load oil and 9 1/2 barrels water.

December 20, 1965, POB 24 hours, 11-44"SPM, 27 barrels load oil and 78 barrels water.

December 21, 1965, POB 24 hours, 11-44"SPM, 23 barrels load oil and 23 barrels water.

12/22/65 POB 24 hours, 14-44"SPM, 23 barrels load oil and 70 barrels water.

12/23/65 POB 24 hours, 15-44"SPM, 13 barrels load oil, 11 barrels formation oil, 70 barrels water.

12/24/65 POB 24 hours, 15-44"SPM, 26 barrels oil and 70 barrels water.

12/25/65 POB 24 hours, 15-44"SPM, 28 barrels oil and 72 barrels water.

Recompleted in Lansing-Kansas City "D" and "H" zones through casing perforations ("D" zone is tight and not considered to be producing); also producing oil from Lansing "U" zone through casing perforations.

CHANGE IN WELL RECORD

15-153-30099-00-00

Lease Name and No. H. A. SAVAGE NO. 64296 Well No. 1

Type of Work Remove bridge plug and open previous perforations in the Lansing-Kansas City "I", "J" and "K" Zones

Reason Work Performed _____

Date commenced August 27, 1973 Date completed August 29, 1973

Deepened from _____ to _____ Total Depth _____

Plugged back from _____ to _____ P.B.T.D. 4,534'

Cleaned out from _____ to _____

Production before _____ bbls. oil _____ bbls. water _____ MCF gas

Production after 35 bbls. oil 117 bbls. water _____ MCF gas

~~Lansing-Kansas City~~ Producing Formation thru PERFORATIONS 4,141' 4,522'
~~XXXXXXXX~~ Top Bottom

August 27, 1973 MI&RU Coleman Bros. Well Service Unit

Pulled 3/4" rods with 2" pump and 138 joints 2 3/8" tubing.
Drilled and cleaned out bridge plug to 4,342'.
Ran 2" tubing with pump set at 4,334' and perforated nipple to 4,338'.
Ran rods and connected well to pumping on beam.

August 29, 1973 POB 13 hours 10-44" SPM, 3 barrels oil and 73 barrels water
September 6, 1973 POB 24 hours 15-44" SPM, 20 barrels oil and 120 barrels water
September 14, 1973 POB 24 hours 15-44" SPM, 25 barrels oil and 117 barrels water