

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

Russell County, Sec. 26 Twp 15S Rge. 15 xxx W (W)

Location as "NE/CNW/SW" or footage from lines SE SE SE
Lease Owner Skelly Oil Co. (sold to Quality Supply for salvage)

Lease Name Bertha Schwartzkopf Well No. 1

Office Address P. O. Box 649, McCook, Nebraska

Character of Well (completed as Oil, Gas or Dry Hole) oil well

Date well completed 8-15 19 41

Application for plugging filed 12-10 19 63

Application for plugging approved 12-12 19 63

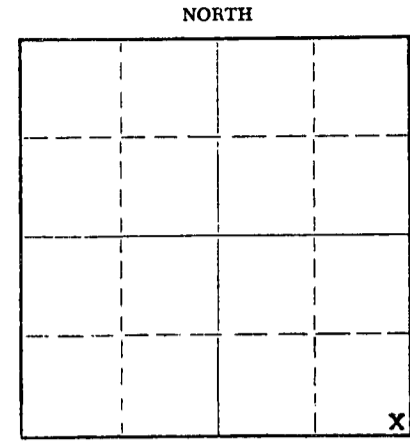
Plugging commenced 12-20 19 63

Plugging completed 12-23 19 63

Reason for abandonment of well or producing formation depleted

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



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Donald Truan

Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 3118 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
				12 1/2	410	none
				8 5/8	3143	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.

Set 10 foot rock bridge at 3100 feet and dumped 7 sacks cement.
Globe cementing company pumped 10 sacks of Jell mud and 100
sacks cement down 8 5/8 pipe.
Pumped 5 sacks Jell mud and 59 sacks cement between
8 5/8 and 12 1/2 pipe.

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(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Flint Engineering & Const4uction Company
Address Box 342, El Dorado, Kansas

STATE OF Kansas, COUNTY OF Butler, ss.

_____, (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) Mary Payne
El Dorado, Kansas
(Address)

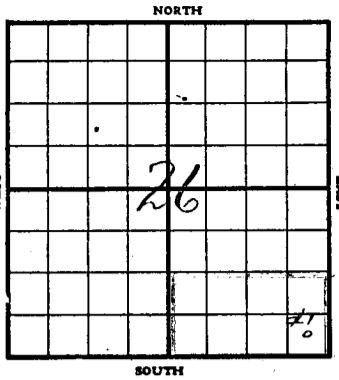
SUBSCRIBED AND SWORN TO before me this 28th day of January 19 64

My commission expires September 27, 1967

Ronald R. Hanson
Notary Public.

SKELLY OIL COMPANY

Well Record



Lease Name and No. Bertha Schwartzkopf #14307 Well No. 1 Elev. 1909' DF
 Lease Description S/2 SE/4 Section 26-15S-15W,
Russell County, Kansas.

Location made January 21st, 1936 By H. E. Wamsley
330 feet from North line 350 feet from East line } of Lease
330 feet from South line feet from West line }

Rig com'd Jan. 25th, 1936 Rig comp'd Jan. 31st, 1936 Drlg. com'd Feb. 5th, 1936 Drlg. comp'd Mar. 17th, 1936
 Rig Contractor Mahan, McCarty and Besse, Inc., Tulsa, Oklahoma.
 Drilling Contractor Southern and Thurmond, Tulsa, Oklahoma.

Rotary Drilling from 0 to 3146' Cable Tool Drilling from 3146' to 3175'
 Commenced Producing Mar. 20th, 1936 { Initial Prod. before acid Swabbed 57 bbls. oil 14 hrs. ##
 Initial Prod. after acid Pumped 939 bbls. oil and 50 Bbls.
water on 24 hrs. potential test Cu. ft.

Dry Gas Well Pressure Volume
 Casing Head Gas Pressure Volume Estimated 10,000 Cu. ft.
 Braden Head (12 1/2" x 8-5/8") Gas Pressure Volume Cu. ft.
 Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION LANSING LIMESTONE Top 3142' Bottom 3175' TOTAL DEPTH 3175'
 (Name)

CASING RECORD

Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
12 1/2"	40#	8	410'				14	405'	6"	Lapweld	A	360	Halliburton Process
8-5/8"OD	32#	8	3143'				132	3174'	1"	Seamless	A	100	" "

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Liner Set at Length Perforated at
 Liner Set at Length Perforated at
 Packer Set at Size and Kind
 Packer Set at Size and Kind

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#SHOT# OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	<u>4/22/36</u>			
Acid Used	<u>5000 Dowell "X"</u>	<u>Gals. #25.</u>	<u>Gals. Qts.</u>	<u>Gals. Qts.</u>
Shot Between	<u>Ft. and Ft.</u>	<u>Ft. and Ft.</u>	<u>Ft. and Ft.</u>	<u>Ft. and Ft.</u>
Size of Shell				
Put in by (Co.)	<u>Dowell, Incorporated</u>			
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<u>Lansing Lime</u>	<u>3142'</u>	<u>3175'</u>					<u>See body of log for details</u>

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water
Clay and shale	0	90	
Sandy shale	90	125	
Shale and sand	125	175	
Shale	175	195	
Sand	195	210	
Shale and red beds	2210	300	
Shale and shells	300	378	
Sand (Water)	378	395	
Shale and shells	395	430	Reamed hole and set and cemented 12 $\frac{1}{2}$ " casing at 410' with 360 sacks cement.
Shale	430	460	
Shale and shells	460	900	
Anhydrite	900	958	
Shale	958	965	
Shale and shells	965	1290	
Shale, salt and shells	1290	1405	
Salt and shells	1405	1545	
Salt and shale	1545	1615	
Shale and lime	1615	1760	
Lime	1760	1865	
Lime (Broken)	1865	1980	
Lime	1980	2050	
Lime Broken	2050	2115	
Lime	2115	2165	
Lime (Broken)	2165	2225	
Lime	2225	2370	
Lime (Broken)	2370	2430	
Lime	2430	2510	
Lime (Broken)	2510	2640	
Lime	2640	2855	
Lime (Broken)	2855	2895	
Lime	2895	2925	
Lime and shale	2925	2960	
Lime	2960	3025	
Lime	3025	3030	Oil stained
Lime	3030	3050	
Lime	3050	3077	Base Mt. Oread Lime 3077'
Red rock	3077	3112	
Red rock	3112	3122	
Shale, grey	3122	3130	

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Cored 3130' - 3136' Recovered 6'

All dark grey silty shale - Pyritic

Cored 3136' - 3146' Recovered 3 $\frac{1}{2}$ '

Top 3'2" - Dark grey pyritic shale

Bottom 4" - Brown Crystalline Lime - Slightly porous

TOP LANSING LIME		3142'	Straight reamed core hole and ran, set and cemented 8-5/8" casing at 3143' w/ 100 sacks cement. On completion of cement job March 4th, rotary tools were moved out and the rig standardized while waiting on cement to set. On March 8th, bailed down the hole preparatory to drilling cement. Casing tested OK on March 9th, and in drilling cement to 3143', had light show of oil (1/2 bbl. per hour) then drilled ahead as follows: No increase in oil
Lime, brown and grey	3146	3149 $\frac{1}{2}$	Tested 2 hours and test showed 1/2 barrel oil per hour.
Lime, medium soft brown cherty	3149 $\frac{1}{2}$	3150	
Lime, hard grey cherty w/ 10% brown lime	3150	3152 $\frac{1}{2}$	No increase in oil

Lime, soft brown w/ 25% green shale	3152 $\frac{1}{2}$	3156	Porous w/ little saturation and gas estimated 2,000 cubic feet. Shut down and tested 3 hours - Showed 1/4 bailer oil and 1 bailer water per hour.
Lime, soft brown and grey	3156	3160	Porous - Tested 2 hours - showed 1/2 bailer oil and 2 bailers water per hour.
Lime, soft brown and grey	3160	3163	No increases - Shut down 8 hours to repair boiler and pump - Bailed and tested 16 hours - Showed 1/2 bbl. oil and 2 $\frac{1}{2}$ bbls. water per hour. The well was shut down from March 11th to 15th repairing boiler and changing water system. Started up on March 15th at which time there was 300' of oil and 1500' of water in the hole after standing 4 days. Bailed the hole down and drilled ahead as follows:
Lime, hard fine cherty	3163	3165	Water decreased to 1/4 barrel per hour.
Lime, soft brown oolitic	3165	3169	Porous and saturated - Gas estimated 10,000 cubic feet - 500' OIH in 1 hour.
Lime, soft brown oolitic w/ 25% porous grey lime,	3169	3172	Porous and washed free oil - 1000' OIH in 2 hours from 3171' - 3172'. 1250' in 3 hours.
Lime, medium hard grey w/ 50% green shale	3172	3175	No increases
TOTAL DEPTH		3175'	

On March 18th bailed the hole clean and test showed 1/3 bailer water per hour - 1400' OIH at this time. Ran 2 $\frac{1}{2}$ " tubing on this date and on March 19th tried to acidize with 5000 gallons of acid but formation would not take the acid. Flushed out acid in hole and pulled tubing to swab and clean up hole. On March 20th commenced swabbing and in 14 hours swabbed 57 barrels of oil, swabbing down to 30' off bottom. Finished swabbing and cleaning out to bottom March 22nd and ran back 2 $\frac{1}{2}$ " tubing, and on March 22nd treated with 5000 gallons of Dowell "X" acid solution as follows:

ACID TREATMENT NO. 1

Treatment put in by Dowell, Incorporated 3/22/36 - Used 5000 gallons Dowell "X" acid and 184 $\frac{1}{2}$ barrels of oil during treatment.

3/22/36	Time	CP	TP	Remarks
	6:45 PM			Started oil in hole
	9:50 "	380#	0	Hole full of oil (154 $\frac{1}{2}$ barrels in)
	10:30 "			Circulated 48 bbls. oil to clean hole of water - Ran out of oil and shut down to haul in bit.
3/23/36	8:40 AM			Started up circulating oil
	8:45 "	220#	0	Fluid showed at tubing head
	9:25 "	0	0	48 barrels of oil circulated - Oil showing at tubing head
	9:45 "	0	0	Started acid in hole - Bleeder open
	10:00 "	300#	0	18.4 bbls. acid in hole - Acid on bottom and bleeder was closed
	10:28 "	300#	1" Vacuum	Had 19 $\frac{3}{4}$ bbls. acid in hole - Started pump
	10:54 "	385#	85#	Had 24 bbls. acid in hole
	1:05 PM	435#	135#	Had 48 bbls. acid in hole
	2:33 "	450#	150#	Had 72 bbls. acid in hole
	3:50 "	440#	140#	Had 96 bbls. acid in hole
	4:35 "	425#	125#	Had 120 bbls. acid in hole (5000 gals. in)
	6:22 "	360#	360#	Started oil in hole to flush tubing Had 30 bbls. oil in hole and shut well in for acid to act.

The well was left shut in until March 26th, when tubing was pulled and the hole cleaned out from 3171' to 3175' TD. After cleaning out to bottom, ran tubing and rods and started 24 hours potential pumping test at 4:45 PM 3/28/36. During the twenty four hours test the well pumped 939 barrels of oil and 50 barrels of water, this oil potential giving an allowable of 86 barrels per day for the remainder of March.

Due to the amount of water the well produced on potential test it was decided to continue testing to determine whether the water would increase or decrease by steady pumping.

Started pumping test at 4:30 PM 3/31/36, pumped one hour all water and shut down for fuel oil until 3:00 AM 4/1/36. In eight hours pumped 329 barrels of fluid with hourly grind out tests showing : 1st hour 54%, 2nd hour 54%, 3rd hour 68%, 4th hour 56%, 5th hour 50%, 6th hour 40%, 7th hour 36% and 8th hour 42% water. Rods parted at end of eighth hour and in fishing for rods, wedged rod line weight in crown block. Repaired crown block and put well back to pumping at 6:00 PM 4/2/36. Grind out test showed 90% water on starting test, and hourly tests for the following twelve hours showed water percentages of 70%, 69%, 50%, 50%, 45%, 45%, 42%, 42%, 50%, 50%, 50% and 50% of a total 457 barrels fluid pumped. Twenty four hours pumping test was completed at 6:00 PM 4/3/36 gauging 545 barrels oil and 365 barrels of water, water percentages for the last 11 hours pumped were; 45%, 42%, 42%, 42%, 42%, 42%, 34%, 34%, 75%, 55%, and 55%. The well was shut down at endo of twenty four hours test due to shortage of water for steam pumping. Drilling contractor on this well tried drilling water well for sufficient water for operation of one boiler, but after testing thoroughly, found the shallow water zone on this lease would furnish but barely enough water for drinking purposes, so the contractor then decided to move in and install a gasoline driven drilling engine to complete the well and abandon powering with steam. The gasoline engine was installed and another pumping test started at 8:40 PM 4/13/36, and first 24 hours pumped 585 barrels of oil and 311 water. The next twenty four hours, pumped 437 oil and 403 water. On April 16th, rods parted and after fishing for rods, pulled and reran rods and continued test, pumping 370 barrels of oil and 365 barrels of water during next twenty four hours which ended at 5:30 PM 4/17/36. Next twenty four hours pumped 350 oil and 352½ water, well pounding last 6 hours, pumping 20 barrels fluid per hour.

On April 19th it was decided to tear out cable tools and install regular beam pumping equipment and complete the well as a producer in the Oswald (Lansing) Lime.

SLOPE TEST DATA

Depth	Angle of Deflection	
		Degree
250'	1	"
500'	1	"
750'	1	"
1000'	1	"
1250'	1	"
1500'	1	"
1750'	1	"
2000'	1	"
2250'	1	"
2500'	1	"
2750'	1	"
3000'	1	"

CASING TALLY

SIZE		SIZE		SIZE		SIZE		SIZE		SIZE		SIZE		SIZE	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	30	1	24	6	24	11									
2	30	2	20	11	25										
3	30	1	23	10	24	11									
4	30	1	23	4	24	10									
5	30	1	24	6	24	11									
6	30	1	23	2	25										
7	30	2	24	6	24	11									
8	30	1	20	11	24	9									
9	30	2	22	7	24	10									
10	30	1	21	10	25										
11	30	2	21	8	25										
12	30	1	24	3	24	11									
13	30	1	22	7	25										
14	14	1	24	4	24	2									
15			24	11	22	5									
16			24	1	24	8									
17			21	4	23										
18			23	7	21	9									
19			23	2	24	10									
20			24	8	24	6									
21			19	6	24	11									
22			22		25										
23			24	5	24	10									
24			23	6	25										
25			24	4	23	10									
26			22	6	24	11									
27			20	5	24	10									
28			24	2	24	10									
29			24		24	11									
30			21	11	24	11									
31			24	9	24	11									
32			22	6	24	11									
33			22	6	24	11									
34			21	7	24										
35			24	10	24	11									
36			22		23	11									
37			20	7	24	11									
38			20	10	25										
39			24	7	25	6									
40			22	4	24	10									
41			19	5	24	11									
42			21	9	24	11									
43			21	11	24	10									
44			24	8	24	11									
45			24	6	25	2									
46			22	7	25										
47			21		24	11									
48			21	7	24	10									
49			23	10	25										
50			22	8	24	10									
51			22	10	24	10									
52			24	5	24	10									
53			24	10	24	10									
54			24	1	23	8									
55			23	10	24	10									
56			23	9	24	10									
57			23	9	24	11									
58			20	2	24	9									
59			21	3	24	10									
60			21	6	24	11									
61			23	11	24	10									
62			23	9	16	6									
63			24	8	21										
64			18	8											
65			19	9											
66			24	10											
67			24	11											
68			22	4											
69			24	11											
70			24	10											
405*	6"				3174'	1"									

Set 8' in cellar

SKELLY OIL COMPANY

REPORT OF 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 Bartha Schwartzkopf WELL NO. 1

CLEANING OUT RECORD					PLUGGING BACK OR DEEPENING RECORD				
Date commenced.....	<u>May 19,</u>		19	<u>48</u>	Date commenced.....	19			
Date completed.....	<u>June 21,</u>		19	<u>48</u>	Date completed.....	19			
Cleaned out from.....	to.....	T. D. <u>3218'</u>			Plugged back or deepened from.....	to.....	T.D.		
Prod. before.....	<u>3</u> bbls. oil	<u>345</u> bbls. water	--	cu. ft. gas	Prod. before.....	bbls. oil	bbls. water	--	cu. ft. gas
Prod. after.....	<u>20</u> bbls. oil	<u>115</u> bbls. water	--	cu. ft. gas	Prod. after.....	bbls. oil	bbls. water	--	cu. ft. gas
Kind of tools used:.....	<u>Cable tools</u>				Kind of tools used:.....			
Tools owned by:.....	<u>Flourney Drilling Company</u>				Tools owned by:.....			

SHOT RECORD

Date	Size shot	Shot between	Size of shell	Put in by (Co.)	Length anchor	Distance below casing	Damage to casing or casing shoulder
	Qts.	Ft. and Ft.					
	Qts.	Ft. and Ft.					
	Qts.	Ft. and Ft.					
	Qts.	Ft. and Ft.					

CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed

Liner set at..... Length..... Perforated at.....

Packer set at..... Size and kind.....

REMARKS (Give review of work accomplished and any other comment of interest) Moved in and rigged up cable tools of Flourney Drilling Company on May 19. Pulled rods and tubing and bridged hole in 8-5/8"OD casing from 3120' to 3076' with crushed rock and 10 sacks of cement and calcium chloride. Filled hole with water and pressured to 650', and found no leaks above 3076'.

Bailed hole dry and drilled and cleaned out bridge to bottom, TD-3218'.

(Use reverse side for continuation of remarks and for formation record).

Superintendent.

REMARKS (Continued) Rigged up to swab and lost swab and 800' of drilling line in hole. Fished and recovered tools. Ran tubing and rods, and on May 26, P.O.B. 24 hours, 3 barrels of oil and 349 barrels of water. Pulled rods and tubing, bridged hole at 3168' with rock and Cal-Seal to 3191', and pumped water at rate of 4 barrels per minute around bottom of 8-5/8" casing.

On May 28, ran 2" tubing with Halliburton cement retainer and set retainer at 3079', and cemented around bottom of 8-5/8" OD casing with 100 sacks of cement at 1200# pressure. Pulled tubing and shut down for cement to set.

On June 1, bailed hole dry, drilled cement plug and cleaned out to bottom. On June 4, ran 2" tubing and rods and P.O.B. as follows:

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
<u>DATE</u>	<u>HOURS PUMPED</u>	<u>BARRELS OIL</u>	<u>BARRELS WATER</u>
6-5-48	15	1-1/3	204
6-6-48	24	17	319
6-7-48	24	25	300
6-8-48	23	16	200
6-9-48	24	20	175
6-10-48	22	16	125
6-11-48	24	25	140
6-12-48	24	21.71	140
6-13-48	24	21.71	115
6-14-48	24	17.88	95
6-15-48	24	19	120
6-16-48	22	12.77	90
6-17-48	10	5.11	33
6-18-48	24	19.16	117
6-19-48	24	7.66	47
6-20-48	24	20.16	118
6-21-48	24	23	115

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 Wichita, Kansas

PLUGGING BACK RECORD

Date Commenced: August 15, 1956
 Date Completed: August 19, 1956

Plugged back from 3218' to 3118' PB TD-3118'

Production Before: 6 barrels of oil and 59 barrels of water per day
 Production After: 39 barrels of oil and 14 barrels of water per day

8-5/8" casing perforations open above bridging plug at 3118':
 3092' to 3100' with 71 holes

Producing Formation: Toronto Lime

Moved in and rigged up cable tools of W. L. Copeland Drilling Company on August 15, 1956. Pulled rods and 2" tubing and ran Lane-Wells Gamma Ray Neutron Survey. Set Lane-Wells bridging plug at 3118' and 8-5/8" casing tested dry.

Perforated 8-5/8" casing from 3092' to 3100' with 71 holes by Lane-Wells, slight show of oil and gas. Ran 2" tubing and treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 3092' and 3100'

Treatment put in 8/16/56 by Halliburton, using 500 gallons of acid and 202 barrels of water.

TIME	CP	TP	REMARKS
7:13 pm			Loaded hole
8:02 pm			Start acid
8:04 pm			Hole loaded
8:08 pm	200	100	Acid on bottom
8:25 pm	200	150	50 gallons of acid in
8:45 pm	200	150	100 gallons of acid in
8:55 pm	200	150	150 gallons of acid in
9:20 pm	150	150	500 gallons of acid in, finished flush

Swabbed through 2" tubing 8 hours, 127 barrels of water used in treating with slight show of oil. Pulled 2" tubing and reran tubing. Set Halliburton HM packer at 3065' and reacidized with 1500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 4 - Between 3092' and 3100'

Treatment put in 8/17/56 by Halliburton, using 1500 gallons of acid and 14 barrels of water to flush.

TIME	CP	TP	REMARKS
5:14 pm			Start acid
5:20 pm		250	Acid on bottom
5:26 pm		250	200 gallons of acid in
5:31 pm		250	500 gallons of acid in
5:51 pm		350	1500 gallons of acid in

Swabbed through 2" tubing 8 hours, 4 barrels of oil and 23 barrels of acid water. On August 18, swabbed through 2" tubing 4 hours, 4 barrels of oil with 1 1/2 water. Treated through 2" tubing with 2500 gallons of Halliburton NV acid as follows:

ACID TREATMENT NO. 5 - Between 3092' and 3100'

Treatment put in 8/18/56 by Halliburton, using 2500 gallons of acid and 15 barrels of water to flush.

TIME	CP	TP	REMARKS
12:42 pm			Start acid
12:46 pm		1250	Acid on bottom
12:48 pm		1700	250 gallons of acid in
12:50 pm		1750	500 gallons of acid in
1:05 pm		1750	2000 gallons of acid in
1:11 pm		1000	Finished flush, 2500 gallons of acid in

Pulled tubing and packer and reran 2" tubing and rods. POB 6 hours, 5 barrels of oil and 51 barrels of water. On August 19, POB 24 hours, 39 barrels of oil and 14 barrels of water.

PLUGGED BACK TOTAL DEPTH 3118'

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KANSAS GEOLOGICAL SOCIETY
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU
 KANSAS GEOLOGICAL SOCIETY BUILDING
 508 EAST MURDOCK - WICHITA, KANSAS

COPY

COMPANY SKELLY OIL CO.

FARM B. Schwartzopf NO. 1

SEC. 26 T. 15 R. 15W
 LOC. SE SE SE
 330' FEL 330' FSL SE 1/4

TOTAL DEPTH 3175'

DEEPENING RECORD:

COMM. 2-5-36

COMP. 3-17-36

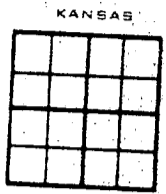
SHOT OR TREATED 8000 gals. acid.

CONTRACTOR Southern & Thurmond

ISSUED 5-30-36

CASING Rotart 0-3146
 Cable 3146-3175

COUNTY Russell



20	10		
15	8		
12 1/2	410'	6 5/8	3143'
13	5		

ELEVATION

PRODUCTION 10,000 Gas
 Pot. 939 Oil, 50 wtr.

clay, shale 90
 sdy shale 125
 shale, sand 175
 shale 195
 sand 210
 shale, red bed 300
 shale, shells 378
 sand, wtr 395
 shale, shells 430
 shale 460
 shale, shells 900
 anhydrite 958
 shale 965
 shale, shells 1290
 shale, salt, shells 1405
 salt, shells 1545
 salt, shale 1615
 shale, lime 1760
 lime 1865
 brkn lime 1980
 lime 2050
 brkn lime 2115
 lime 2165
 brkn lime 2235
 lime 2370
 brkn lime 2430
 lime 2510
 brkn lime 2640
 lime 2855
 brkn lime 2895
 lime 2925
 lime, shale 2960
 lime 3077
 Oil stained 3025-30
 Oil stained 3035-50
 red rock 3122
 shale 3130
 Cored 3k30-3136 rec. 6'
 All drk gry slity shale-
 Pyritic
 Cored 3136-3146 Rec. 3 1/2'
 drk gry pyritic shale
 Bottom 4" brown w/ln lime.
 Slightly porous. Top Lansing
 lime 3142'. Light show of oil
 3143
 Lime brwn, gry-no increase
 3149 1/2
 medium soft brown cherty
 lime 3160
 3 hr test showed 1/2 BOPH
 hrd gry cherty lime w/ln 10%
 brown lime 3162 1/2
 no increase
 soft brown lime with 25%
 shale green 3155
 porous with little sat-
 uration gas est. 2,000 CF

FIGURES INDICATE BOTTOM OF FORMATIONS

3 hr test showed 1/4 blr oil
 & 1 blr wtr PH.
 soft brown & gry lime 3160
 porous
 soft brown & grey lime 3163
 hrd fine cherty lime 3165
 soft brown celitic lime
 with 25% porous gry lime
 1372
 medium hard gry lime
 w/ln 50% shale green 3175
 Total Depth

DEEPENING RECORD:

Top Lansing lime 3142
 Oil fr 3142-72
 maind body pay for-
 mation with best pay 3165-72

DEEPENING RECORD:
 Comm. -8-15-41 (approximately)
 Comp. -8-27-41
 Prod. -290 BO & 400 BWPD
 by depthograph

lime	3195
shale, lime	3204
cherty lime	3207
shale	3212
porous oolitic lime-	
stone	3218
Total Depth	

3,000 gals. acid 3212-18

RECEIVED
 STATE CORPORATION COMMISSION

JAN 29 1964

CONSERVATION DIVISION
 Wichita, Kansas