

STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Ellis County, Sec. 31 Twp. 11S Rge. (E) 20 (W)

Location as "NE/CNW/SW" or footage from lines NW/4 NE/4 NE/4

Lease Owner Skelly Oil Company

Lease Name J. L. Caskey Well No. 3

Office Address P. O. Box 1650, Tulsa, Oklahoma

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

Date well completed December 3, 19 54

Application for plugging filed November 18, 19 63

Application for plugging approved November 20, 19 63

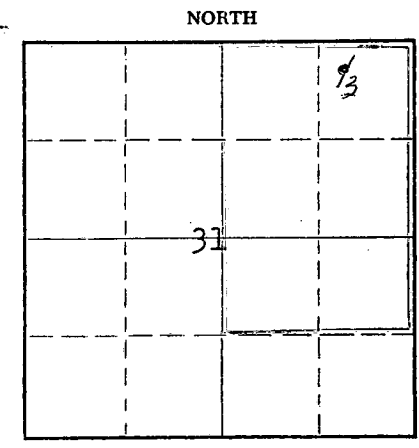
Plugging commenced December 4, 19 63

Plugging completed December 7, 19 63

Reason for abandonment of well or producing formation Depleted - Well shut down May 1, 1963

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 Mr. Eldon Petty

Producing formation Arbuckle Lime Depth to top 3861' Bottom Total Depth of Well 3872' 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
Arbuckle Lime	Oil	3862'	3872'	8-5/8"	311'	None
					3893' 3"	839'

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.

Sand	3872' to 3850'
5 sacks of cement	3850' to 3815'
Mud	3815' to 500'
20 sacks of cement	500' to 434'
Mud	434' to 200'
20 sacks of cement	200' to 134'
Mud	134' to 40'
12 sacks of cement	40' to 6'
Surface soil	6' to Surface

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(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Knight Casing Pulling Company
Address Chase, Kansas

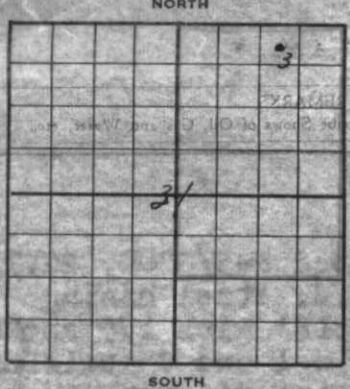
STATE OF Nebraska, COUNTY OF Red Willow, ss.
C. F. Bass (employee of owner) or (owner) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are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

(Signature) C. F. Bass
Box 649, McCook, Nebraska (Address)

SUBSCRIBED AND SWORN TO before me this 20th day of December, 19 63
C. G. Lindsey Notary Public.

COMMISSION EXPIRES JUNE 13, 1969
My commission expires

SKELLY OIL COMPANY



Well Record
 Lease Name and No. J. L. Caskey 744077 Well No. 3 Elev. 2254' RB
 Lease Description N/4 and N/2 E/4 Section 31-115-20N,
Hills County, Kansas (240 acres)

Location made November 5, 1954 by P. J. Cussen
330 feet from North line 990 feet from East line N/4
330 feet from South line 990 feet from West line of Sec. 31

Work com'd 11/9 1954 Rig comp'd 11/11 1954 Drlg. com'd 11/11 1954 Drlg. comp'd 11/29 1954
 Rig Contractor Claude Wentworth Drilling Co., Inc.
 Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from 0' to 3866' Cable Tool Drilling from 3866' to 3872'
 Commenced Producing December 3, 1954 Initial Prod. before shot or acid xxxx 20 gal. oil/hr. Bbls.
 Initial Prod. after shot or acid xxxx POB 8 hrs. 119.16 50 5 Bbls.

Dry Gas Well Press. _____ Volume _____ Cu. ft.
 Casing Head Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (8-5/8" Size 51" OD) Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (_____ Size _____) Gas Pressure _____ Volume _____ Cu. ft.

PRODUCING FORMATION Arbuckle Lime (Name) Top 3862' Bottom 3872' TOTAL DEPTH 3872'

CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
8-5/8"	22.7	54	318'				8	311	0	Armco SW 7 A		175	Halliburton
5-1/2"	15.2	8R	3852'				125	3893	3	J55 A2 13 A		150	Halliburton
10-5/8" casing set 2' in cellar)													

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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 _____

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	<u>11/30/54</u>	<u>12/1/54</u>		
Acid Used	<u>300</u> Gals.	<u>750</u> Gals.		
Size Shot	<u>300</u> Qts.	<u>750</u> Qts.		
Shot Between	<u>3862</u> Ft. and <u>3872</u> Ft.	<u>3862</u> Ft. and <u>3872</u> Ft.		
Size of Shell				
Put in by (Co.)	<u>Halliburton</u>	<u>Halliburton</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>Topsak Line</u>	<u>3294'</u>						
<u>Hebner Shale</u>	<u>3514'</u>						
<u>Toronto Lime</u>	<u>3535'</u>						
<u>Lansing Lime</u>	<u>3550'</u>						
<u>Arbuckle Lime</u>	<u>3861'</u>			<u>3861'</u>	<u>3872'</u>		

CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					See Reverse for other details.
2nd					" " " " "
3rd					" " " " "
4th					" " " " "

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st						See Reverse for other details.
2nd						" " " " "
3rd						" " " " "
4th						" " " " "

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil, sand, clay, and sand rock	0	225	
Shale	225	318	Set and cemented 8-5/8" OD, 22.7%, Armo S.S., S.J. steel casing (a cond.) at 318' with 175 sacks of cement, 3% Gel and 2% calcium chloride. Cement did not circulate. Dumped 15 sacks of cement around top of 8-5/8" casing.
Shale and shells	318	1670	
Anhydrite	1670	1680	<u>TOP ANHYDRITE 1680'</u>
Lime	1680	1900	<u>BASE ANHYDRITE 1723'</u>
Shale and shells	1900	2180	
Shale and lime	2180	2880	
Shale	2880	3035	
Lime and shale	3035	3235	
Lime	3235	3591	<u>TOP TOPEKA LIME 3294'</u> <u>TOP HEBBNER SHALE 3514'</u> <u>TOP TORONTO LIME 3535'</u> <u>TOP LANSING LIME 3550'</u>
Gray to tan, fine crystalline lime, slightly oolitic	3591	3595	Poor porosity and spotted stain
Lime	3595	3599	
Tan oolitic lime	3599	3602	Good porosity and saturation
Lime	3602	3608	
Tan, fine crystalline lime w/ inner crystalline porosity	3608	3612	Fair saturation, some free oil
Lime	3612	3613	Run Halliburton drill stem test, packer set at 3544', used 69' anchor, weak blow for 1 hour, recovered 48' of slightly oil cut mud, BHP-680, initial flow 0, final 40%.
Lime	3613	3616	
Tan, fine crystalline lime	3616	3619	Poor vugular porosity, poor to fair saturation
Lime	3619	3622	
Gray to tan, fine crystalline lime	3622	3625	Poor to fair vugular porosity, poor saturation
Lime	3625	3626	
Gray to tan, fine crystalline lime	3626	3630	Some pieces of good saturation.
Lime	3630	3632	Run Halliburton drill stem test, packer set at 3613', used 17' anchor, open 1 hour, very weak blow, recovered 10' of oil cut mud, BHP-70, no flow pressures.
Buff, fine crystalline vugular lime	3632	3641	Fair to good porosity with some free oil, spotted fair saturation.
Lime	3641	3644	Run Halliburton drill stem test, packer set at 3632', used 12' anchor, open 1 hour, strong blow for 1 hour, recovered 835' of salt water, no oil, BHP-870, initial flow pressure 0, final 40%.
Lime	3644	3722	
Tan, fine crystalline oolitic lime	3722	3727	Vugular porosity, spotted saturation and stain
Lime	3727	3739	
Tan, fine crystalline oolitic lime	3739	3745	Good porosity and saturation, free oil in samples
Lime	3745	3751	
Gray vugular lime	3751	3755	Fair to good porosity, good odor, free oil in samples
Lime	3755	3760	Run Halliburton drill stem test, packer set 3722', used 38' anchor, open 1 hour, fair blow, recovered 100' of slightly oil cut mud, BHP-1000, initial flow 30, final flow 70%.
Lime and shale	3760	3861	<u>TOP ARBUCKLE LIME 3861'</u>
Gray, fine crystalline dolomite	3861	3866	Poor staining, no saturation, poor porosity.

Set and cemented 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, C.S. casing (A cond.) at 3862' with 150 sacks of common cement and 3% aquagel. Finished cementing at 5:30 a.m. 11/28/54. Opened stage collar at 3262' with 900'-CP. Circulated 1 hour, then spotted 189 barrels of oil behind 5 1/2" casing. Oil circulated. Closed stage collar with 1400'-CP. Finished at 9:00 a.m. 11/26/54.

Moved in and rigged up cable tools on November 28, and swabbed and bailed the hole dry to stage collar at 3252', 5 1/2" casing tested dry. Drilled stage collar, then swabbed and bailed the hole dry to top of cement plug at 3672', and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to bottom, no shows.

Gray to tan, finely crystalline, very hard cherty dolomite	3866	3868	Poor porosity and saturation, slight show of free oil
Gray to tan, finely crystalline dolomite	3868	3870	Fair porosity and saturation, tested 10 gallons of oil per hour, no water.
Same	3870	3872	Tested 20 gallons of oil per hour, no water. Ken Lane-Wells Gamma Ray Survey.

TOTAL DEPTH 3872'

On November 30, treated through 5 1/2" casing with 300 gallons of Halliburton 15% penetrating acid as follows:

ACID TREATMENT NO. 1 - Between 3862' and 3872'

Treatment put in 11/30/54 by Halliburton, using 300 gallons of acid and 95 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:57 am			300 gallons of acid in, start oil
12:25 pm			Filled hole with 95 barrels of oil
1:30 pm	500'		
2:00 pm	750'		
2:45 pm	1000'		140 gallons of acid in formation
3:10 pm	900'		300 gallons of acid in formation

Swabbed through 5 1/2" casing 3 hours, 95 barrels of oil used in treating; then swabbed 10 hours, 28 barrels of oil with trace of water. On December 1, treated through 5 1/2" casing with 750 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3862' and 3872'

Treatment put in 12/1/54 by Halliburton, using 750 gallons of acid and 96 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:28 am			750 gallons of acid in, start oil
11:45 am			Acid on bottom, 77 barrels oil in to fill hole
12:15 pm	Vac.		170 gallons of acid in formation
12:45 pm	Vac.		390 gallons of acid in formation
1:24 pm	Vac.		750 gallons of acid in formation

Swabbed through 5 1/2" casing 3 hours, 95 barrels of oil used in treating; then swabbed 6 hours, 105 barrels of oil with 8 barrels of water. Ran 2" tubing and rods and POB 2 hours, 40 barrels of oil and 1 barrel of water.

On December 3, POB 8 hours on State Corporation Commission physical potential test, 119.16 barrels of oil and 5 barrels of water to establish 24 hour S.C.C. potential of 357 barrels. This potential allows 25 barrels per day for the remainder of December, 1954.

SLOPE TEST DATA: Tests were taken at 300', 500', 1000', 1500', 2000', 2500', and 3000' with no deviation from vertical noted.

WATER ANALYSIS

Pawhuska Research Laboratory
Sample No. 8920
Taken From: 3632' to 3644'

Date Received: 12/1/54
Date Completed: 12/1/54

Dissolved Solids	179,325
Chlorides as Cl	103,366
Chlorides as NaCl	170,382
Sulfates as SO ₄	627
Sulfates as CaCO ₃	889

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RECEMENT 5 1/2" casing and ACIDIZE

Date Commenced: August 26, 1960
 Date Completed: September 21, 1960

TOTAL DEPTH: 3872'

Production Before: 100% water
 Production After: FOB 24 hours, 7 barrels of oil and 50 barrels water

Well making 100% water. On August 26, 1960, moved in and rigged up pulling unit. Pulled rods and 2" tubing, ran 2" tubing with Halliburton RTTS packer and found hole in 5 1/2" casing at 1049'. Tested input below packer and well took 2 barrels water per minute at 900#. Set Lane-Wells bridging plug at 3834' and shut down for orders.

On September 9, moved in cable tools of W. L. Copeland, ran 2" tubing with Halliburton RTTS packer, found hole in 5 1/2" casing at 1049'; tested casing from top to 1049' with 1000# pressure, then tested below 1049', small leak; tested casing to 3262', found leak at stage collar at 3262'.

Pulled 2" tubing and packer. Perforated 5 1/2" casing by Lane-Wells at 3258' with 3 holes, and at 3264' with 2 holes. Ran 2" tubing and set Halliburton RTTS packer at 3231'. Cemented off leak at stage collar with 100 sacks of S.O.W. cement, estimated 96 sacks of cement below packer at 2000#; reversed out estimated 4 sacks of cement. Reset packer at 1023'. Cemented off hole in 5 1/2" casing at 1049' with 150 sacks of S.O.W. cement, estimated 140 sacks of cement below packer at 1000#; reversed out estimated 10 sacks of cement. Pulled tubing and packer.

Swabbed, bailed, and hole tested dry to top of cement at 999'. Drilled cement to 1055'; swabbed and bailed hole dry to top of cement at 3231', 5 1/2" casing tested dry. Drilled cement from 3231' to 3280'.

Bailed hole to 3300', 5 1/2" casing tested dry. Drilled out bridging plug at 3834' and cleaned out to bottom, 3872'.

Swabbed and cleaned up hole, ran 2" tubing and filled hole with 85 barrels of water.

TREATMENT NO. 3 - (Acidize) - 3862' and 3872'

9/13/60 treated by Dowell through 2" tubing with 750 gallons of J-97 acid, maximum CP-500#, TP-700#, flushed with 15 barrels of water, time 20 minutes.

Swabbed through 2" tubing 5 hours, no oil, 35 barrels of water used in treating. Ran rods and pumped as follows:

DATE	HOURS POB	BELS. OIL	BELS. WTR.	REMARKS
9/14/60	10	0	51	Used in treating
9/15/60	10	0	35	
9/16/60	24	15	273	
9/17/60	24	20	76	
9/18/60	24	15	81	
9/19/60	24	10	60	
9/20/60	24	8	52	
9/21/60	24	7	50	

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TOTAL DEPTH 3872'

Ed Beck
Fidelity Union

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 J. L. Caskey WELL NO. 3 DISTRICT Western Kansas
 SEC. 31 T. 11S R. 20W COUNTY Hillis AFE NO. 6594
 BLOCK _____ SURVEY _____ STATE Kansas

TYPE OF WORK TEST LANSING LINE

Date commenced December 15, 1960 Date completed December 30, 1960
 Deepened from _____ to _____ Total Depth 3872'
 Plugged back from _____ to _____ P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before 2.38 bbls oil 4.62 bbls water _____ cu. ft. gas
14 bbls oil 26 bbls water _____ cu. ft. gas
 Production after _____
 Tools owned by; W. L. Copeland Kind used; Cable No. days rig time; 13
 Cost of Job \$ _____ Revised Estimated Payout (Mos.) _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
11/16/60	Freflow	3862'-3872'	10 gals freflow
12/16/60	Acid	3741'-3749'	500 gals. 15%
12/17/60	Acid	3725'-3729'	500 gals. 15%
12/18/60	Acid	3725'-3729'	500 gals. 15%
12/20/60	Acid	3605'-3610'	500 gals. 15%
12/21/60	Acid	3605'-3610'	1500 gals. 15%

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CHANGES IN CASING RECORD

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

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT										
					Jts.	LTM Feet	In.	WTM Feet	In.	Jts.	LTM Feet	In.	WTM Feet	In.					

PRODUCING FROM

Arbuckle Line thru OPEN HOLE PERFORATIONS 3862' 3872' Total No. Shots 32
Lansing Line 3598' 3598'

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

TREATMENT NO. 4 - (Freflow) - 3862'-3872'

11/16/60 mixed 10 gallons Dowell Freflow with 24 barrels of kerosene and pumped into annulus, flushed with 75 barrels of lease crude, hole did not fill, CP-Vac.

Shut down 6 hours, then POB 24 hours, 2.38 barrels of oil and 4.62 barrels of water.

On December 15, 1960, moved in tools of W. L. Copeland and pulled rods and 2" tubing. Ran steel line measurement to total depth, 3872'. Set 5 1/2" Lane-Wells bridging plug at 3790' and bailed hole dry, tested dry.

PERFORATION JOB NO. 1 - Lansing Line - 3741'-3749'

5 1/2" casing perforated with 4 Type "E" holes per foot by Lane-Wells:

- 3741'-3744' - 3' - 12 holes
- 3746'-3749' - 3' - 12 holes

Bailed 4 hours through 5 1/2" casing, 20 gallons of oil and 20 gallons of water. Ran 2" tubing and set packer at 3737'.

TREATMENT NO. 5 - (Acid) - 3741'-3749'

12/16/60 treated through 2" tubing with 500 gallons of Halliburton 15% penetrating NE acid, maximum TP-1000/ to 0/ in 20 minutes, flushed with 14 barrels of oil, time 1 hour.

Swabbed through 2" tubing 2 hours, 14 barrels of oil used in treating; then swabbed through tubing 12 hours, 20 barrels of water with rainbow show of oil. Pulled tubing and packer.

PERFORATION JOB NO. 2 - Lansing Line - 3725'-3729'

5 1/2" casing perforated with 4 Type "E" holes per foot by Lane-Wells:

- 3725'-3729' - 4' - 16 holes

Ran 2" tubing and set 5 1/2" Halliburton straddle packers with top packer set at 3720' and bottom packer at 3735'.

SKELLY OIL COMPANY

TREATMENT NO. 6 - (Acid) - 3725'-3729'
 12/17/60 treated through 2" tubing by Halliburton with 500 gallons of 15% penetrating NE acid, maximum TP-500#, for 1 minute, broke to vacuum, time 10 minutes, flushed with 14 barrels of oil.

Swabbed through tubing 2 hours, 14 barrels of oil used in treating, then swabbed through tubing 12 hours, no oil and 27 1/2 barrels of water.

Pulled 2" tubing and found one joint split above packer. Reran tubing with 5 1/2" Halliburton straddle packers, top packer set at 3719', bottom packer set at 3734'.

TREATMENT NO. 7 - (Acid) - 3725'-3729'
 12/18/60 treated by Halliburton with 500 gallons of 15% penetrating NE acid, maximum TP-0#, time 6 minutes, flushed with 14 barrels of oil.

Swabbed through tubing 10 hours, 9 barrels of water with some of oil (last hour 0.58 barrels of fluid).

Pulled tubing and packers. Swabbed through 5 1/2" casing to bottom 1 hour, 10 1/2 barrels of oil used in treatment and 26 barrels of water. Swabbed 1 hour, 1 1/2 gallons of oil used in treatment and 25 gallons of water.

Ran 2" tubing and set 5 1/2" Halliburton DM cement retainer at 3697'. Cemented off perforations from 3725' to 3749' with 150 sacks of Pozmix cement, maximum TP-2000#, CP-0#.

Pulled tubing and swabbed hole dry to top of retainer at 3697'.

PERFORATION JOB NO. 3 - Lansing Line - 3605'-3610'
 5 1/2" casing perforated with 4 Type E holes per foot by Lane-Wells:

3605'-3610' - 5' - 20 holes

Ran 2" tubing and set packer at 3594'.

TREATMENT NO. 8 - (Acid) - 3605'-3610'
 12/20/60 treated through tubing by Halliburton with 500 gallons of 15% penetrating NE acid, maximum TP-500#, minimum TP-400#, time 13 minutes, flushed with 16 barrels of oil.

Swabbed through tubing 4 hours, 8 1/2 barrels of oil used in treatment; then swabbed through tubing 5 hours, 25 gallons of oil used in treatment, no water.

TREATMENT NO. 9 - (Acid) - 3605'-3610'
 12/21/60 retreated by Halliburton with 1500 gallons of 15% penetrating NE acid, maximum TP-1250# to 0# in 20 minutes, flushed with 16 barrels of oil, time 13 minutes.

Swabbed through 2" tubing 30 minutes, 50 barrels of oil used in treating; then swabbed through tubing 1 hour, 6 barrels of oil used in treatment and 12 barrels of water.

Pulled tubing and packer. Swabbed through 5 1/2" casing 8 hours, 2 barrels of oil and 128 barrels of water, 1000' of fluid in hole.

Ran 2" tubing and set 5 1/2" Halliburton DM retainer at 3575', pressured to 500#, input below tool tested 2 barrels water per minute at 200#. Cemented off perforations from 3605' to 3610' with 175 sacks of Pozmix cement, estimated 168 sacks into perforations at 2000#, reversed out estimated 7 sacks of cement.

Pulled 2" tubing; swabbed and tested 5 1/2" casing to top of retainer at 3575', tested dry.

PERFORATION JOB NO. 4 - Lansing Line - 3550'-3558'
 5 1/2" casing perforated with 4 Type E holes per foot by Lane-Wells:

3550'-3558' - 8' - 32 holes, no shows

Ran 2" tubing and set 5 1/2" Lane-Wells packer at 3540'.

TREATMENT NO. 10 - (Acid) - 3550'-3558'
 12/23/60 treated through tubing by Halliburton with 500 gallons of Halliburton 15% penetrating NE acid, maximum TP-650#, minimum TP-250#, time 26 minutes, flushed with 15 barrels of oil.

Swabbed through 2" tubing 1 hour, 6 barrels of oil used in treating; then swabbed 4 hours, 2.3 barrels of oil.

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 J. L. Caskey
 SEC. 31 T. 11S R. 20W
 BLOCK _____ SURVEY _____

WELL NO. 3 DISTRICT Platte
 COUNTY Ellis AFE NO. 53579
 STATE Kansas

TYPE OF WORK Plug and Abandon Well

Date commenced December 4, 1963 Date completed December 7, 1963
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3872' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before Shut Down bbls. oil _____ bbls. water _____ cu. ft. gas _____
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas _____
 Tools owned by: Knight Casing Pulling Co. Kind used: Pulling mach. 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. Casg.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN						PULLED OUT					
					Jts.	LTM	In.	Feet	WTM	In.	Jts.	LTM	In.	Feet	WTM	In.
<u>5-1/2</u>	<u>15 1/2</u>	<u>8R</u>	<u>J55 R2 SS</u>	<u>C</u>	<u>96</u>	<u>3023</u>	<u>0</u>	<u>3048</u>	<u>3</u>	<u>26</u>	<u>807</u>	<u>0</u>	<u>813</u>	<u>0</u>		
				<u>D</u>						<u>1</u>	<u>32</u>	<u>0</u>	<u>32</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)

The well was shut down May 1, 1963, due to a casing leak. Remaining reserves did not justify repair, and as there are no other zones which merit testing and there are no secondary recovery prospects for the well, regular authority was granted to plug and abandon it.

December 4, 1963, moved in and rigged up machine of Knight Casing Pulling Company and plugged the well as follows:

Sand 3872' to 3850'
 5 sacks of cement 3850' to 3815'

Shot off 5 1/2" casing at 840' and pulled 839' of casing.

Mud 3815' to 500'
 20 sacks of regular cement 500' to 434'
 Mud 434' to 200'
 20 sacks of regular cement 200' to 134'
 Mud 134' to 40'
 12 sacks of cement 40' to 6'
 Surface soil 6' to Surface

Plugged and abandoned December 7, 1963.

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CONSERVATION DIVISION
 Wichita, Kansas

TREATMENT NO. 11 - (Acid) - 3550'-3558'

12/23/60 retreated by Halliburton with 1500 gallons of HV acid, maximum TP-1700#, minimum TP-500#, flushed with 22 barrels of oil, time 38 minutes.

Pulled 2" tubing. Swabbed through 5 1/2" casing 2 hours, 22 barrels of oil used in treating; then swabbed 3 hours, 0.91 barrels of oil and 0.23 barrels of water per hour. Swabbed through 5 1/2" casing 4 hours, 2.8 barrels of oil and 0.30 barrels of water. Shut down for Christmas.

On December 26, swabbed through 5 1/2" casing 1 hour, 4 barrels of oil and 4 barrels of water; then swabbed 1 hour, 1/2 barrel of oil and 1/2 barrel of water.

Drilled out retainers and cement to 3754'; bailed and hole tested dry. Drilled bridging plug from 3790' to bottom, 3872'.

TOTAL DEPTH 3872'

Cleaned out hole, ran 2" tubing and rods and POB 5 hours, 5.8 barrels of oil and 10 barrels of water. Moved out cable tools.

On December 29, 1960, POB 24 hours, 16 barrels of oil and 26 barrels of water. On December 30, POB 24 hours, 14 barrels of oil and 26 barrels of water.

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