

STATE OF KANSAS
STATE CORPORATION COMMISSION

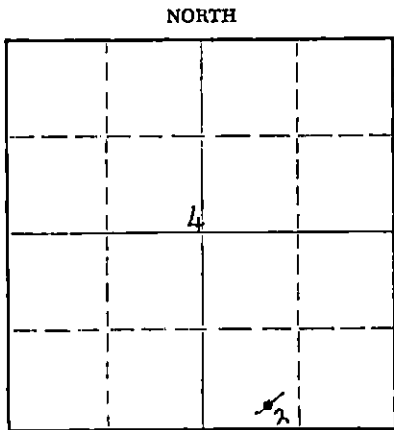
Form CP-4

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

Pratt County, Sec. 4 Twp. 26S Rge. (E) 13(W)

Location as "NE/CNW/SW" or footage from lines SE/4 SW/4 SE/4
Lease Owner Skelly Oil Company
Lease Name S. F. Chance Well No. 2
Office Address 1860 Lincoln Street, Denver, Colorado
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed September 11, 1953
Application for plugging filed July 18, 1967
Application for plugging approved July 20, 1967
Plugging commenced August 24, 1967
Plugging completed August 28, 1967
Reason for abandonment of well or producing formation Uneconomical to operate
If a producing well is abandoned, date of last production July 31, 1967
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. A. Elving
Producing formation Lansing Lime Depth to top 3738' Bottom Total Depth of Well 4412 Feet
Show depth and thickness of all water, oil and gas formations. PB 3824 1/2'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Lansing Lime	Oil	3872'		8-5/8"	812'6"	None
				5-1/2"	4456'3"	2129'

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	3873' to 3825'
20 sacks of cement	3825' to 3685'
Mud laden fluid	3685' to 340'
Rock bridge	340' to 330'
25 sacks of cement	330' to 270'
Mud	270' to 40'
Rock bridge	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

RECEIVED
STATE CORPORATION COMMISSION
OCT 20 1967
Wichita, Kansas
Wichita, Kansas

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

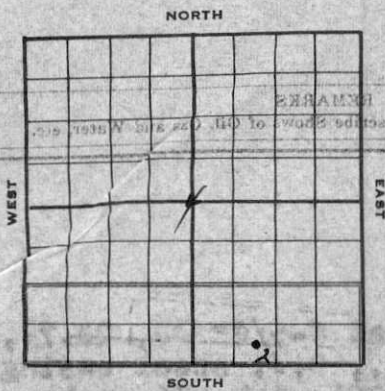
(Signature) Leland Franz
1860 Lincoln St., Denver, Colo. 80203
(Address)

SUBSCRIBED AND SWORN TO before me this 18th day of October, 1967

Mary E. Lutzinger
Notary Public.

My commission expires June 17, 1970

SKELLY OIL COMPANY



Well Record

Lease Name and No. S. F. Chance Well No. 2 Elev. 1939' BB
 Lease Description 5/2 5/2 Section 4-26-13W,
Pratt County, Kansas (160 Acres)
 Location made July 29, 1953 by J. B. Rohling
330 feet from North line 990 feet from East line
330 feet from South line 990 feet from West line of Sec. 4
 Work com'd 7/30 1953 Rig com'd 7/31 1953 Drlg. com'd 7/31 1953 Drlg. com'd 8/18 1953

Rig Contractor Chas. Hulme Drilling Company
 Drilling Contractor Chas. Hulme Drilling Company, Great Bend, Kansas
 Rotary Drilling from 0' to 4412' Cable Tool Drilling from To complete to 4412'
 Commenced Producing September 11, 1953 Initial Prod. before shot or acid 2.80 trace wtr. per hr. Bbls.
 Initial Prod. after shot or acid 16.70 to 24 hr. 25.06 30 Bbls.
 Dry Gas Well Press. Volume 75 barrels. Cu. ft.
 Casing Head Gas Pressure Volume Cu. ft.
 Braden Head (8-5/8" 58" OD) Gas Pressure Volume Cu. ft.
 Braden Head (5 1/2") Gas Pressure Volume Cu. ft.

PRODUCING FORMATION Lansing Line Top 3818' Bottom 3822' TOTAL DEPTH 4412'
 (Name)

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"	227	SJ	820'				21	812	6	Armo SW	A	475	Halliburton
5-1/2"	17	SR	4408'				193	4456	3	R1 LW	A	200	Halliburton
(8-5/8" casing set 2 1/2' in cellar and 5 1/2' cased to derrick floor)													
(5 1/2" casing perforated from 4174'-4180', and from 3818'-3822' with 24 holes)													
Used 1 - 5 1/2" OD Baker Combination Guide & Float Shoe													

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

Date	FIRST		SECOND		THIRD		FOURTH	
	Date	Acid Used	Date	Acid Used	Date	Acid Used	Date	Acid Used
9/2/53	Gals. Qts.	9/6/53	Gals. Qts.	9/9/53	Gals. Qts.			
4174 Ft. and 4180 Ft.	500	3828 Ft. and 3838 Ft.	500	3818 Ft. and 3822 Ft.				
Halliburton		Halliburton		Halliburton				
(Sand-Oil-Frac)								

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Heebner Shale	3545'						
Lansing Line	3738'				3818'	3822'	
Conglomerate	4111'						
Mississippi Line	4143'						
Hinderhook Line	4180'						
Misener Sand	4212'						
Viola Line	4231'						
Simpson Sand	4321'						
Arbuckle Line	4408'						

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
Surface soil and sand	0	190	
Red bed	190	500	
Shale and shells	500	650	
Clay	650	806	
Anhydrite	806	820	Set and cemented 8-5/8" OD, 22.7, 2-3, Araco S.W., 5.5% steel casing (a conc.) at 820' with 75 sacks of Foxmix cement and 1% calcium chloride. Cement circulated.
Red bed and shale	820	1010	
Shale and shells	1010	1750	
Broken lime	1750	1875	
Lime	1875	2300	
Lime and shale	2300	2440	
Shale and shells	2440	2715	
Lime and shale	2715	3205	
Lime	3205	3530	
Lime and shale	3530	3580	
Shale and sand	3580	3705	
Sand and lime	3705	3755	
Lime	3755	3822	
Gray, fine crystalline lime	3822	3840	Fair pinpoint porosity, good spotted stain and saturation.
Lime	3840	3843	Fair odor in wet samples
Lime	3843	3880	Kan Halliburton drill stem test, packer set at 3819', used 24' anchor, open 2 hours, gas to surface in 13 minutes, recovered 944' of oil and 25' of salt water, BHP-1133%.
Gray, fine crystalline oolitic lime	3880	3890	Good vuggy porosity, light to fair spotted stain
Lime	3890	3920	
Gray to cream, fine crystalline, slightly oolitic lime	3920	3926	Poor porosity, very slight spotted stain
Lime	3926	3932	
Gray to buff, fine crystalline lime	3932	3943	Fair pinpoint porosity, light spotted stain
Lime	3943	3951	
Gray, fine crystalline and chalky lime	3951	3955	Fair porosity, very light spotted stain
Lime	3955	3959	
Gray, fine crystalline and chalky lime	3959	3963	Fair stain
Lime	3963	3968	
Gray to buff, fine crystalline, partly oolitic and oolitic lime	3968	3974	Fair porosity and poor spotted stain
Lime	3974	4092	Base KANSAS CITY LIM (4039' TOP MISSISSIPPI CHERT 4059')
Brown to gray tripolitic partly oil stained chert	4092	4104	
Lime and chert	4104	4149	TOP MISSISSIPPI LIM 4111' TOP MISSISSIPPI LIM 4143'
Yellowish gray, seal-opaque, slightly porous chert	4149	4169	Heavy dead oil stain
Lime and chert	4169	4171	Kan Halliburton drill stem test, packer set at 4148', open 1 hour, recovered 15' of drilling mud, initial flow 0%, final flow 0%, BHP-69%.
Lime and chert	4171	4277	TOP KINDERHOOK LIM 4188' TOP MISSISSIPPI LIM 4212' TOP MISSISSIPPI LIM 4271'
Lime	4277	4280	
Cored from 4280' to 4340' - recovered 60'			
Top 20'			Brown and dark gray chert and light gray and brown dense to lithographic lime nodules with thin inter-bedded dark gray, maroon and light green shale breaks giving a coarsely conglomeritic appearance, chert and lime nodules varying in size from 1" to 3" in diameter.
Next 2'6"			Very shaly, conglomeritic light green to brown coarsely crystalline lime.

Next 15'6" - Greenish-gray to buff, medium to coarsely crystalline lime with very thin light green shale streaks, sandy in lower 2'

TOP SIMPSON SHALE 4315'

Next 2' - Green shale with brown medium to coarsely crystalline lime inclusions, averaging 1/4" in diameter.

TOP SIMPSON SAND 4321'

- Next 2' - Green shale as above with lime inclusions becoming less numerous
- Next 1' - Dark green and gray shale with numerous lime inclusions
- Next 6" - Apple-green slightly sandy shale
- Next 4'6" - Reddish-brown, very shaley sand with very thin apple-green sandy shale breaks
- Next 2'6" - Sand as above with shale breaks averaging 1" thick
- Next 4'6" - Brown, medium to coarse grained slightly shaley sand, bleeding slight amount of oil
- Next 5' - Gray medium to coarse grained shaley dolomite and hard sand

Cored from 4340' to 4365' - Recovered 25'

- Top 3' - Greenish-gray medium grained very shaley dolomitic sand
- Next 6' - Dark gray, fine grained, very shaley dolomitic sand
- Next 6' - Dark gray, hard sandy shale
- Next 3' - Gray, fine grained hard shaley sand
- Next 2' - Gray slightly shaley quartzite
- Next 2'6" - Dark gray sandy shale
- Last 2'6" - Dark gray shale

Shale and lime 4365 4408 TOP ARBUCKLE LIME 4408'

Gray to buff, fine crystalline slightly cherty dolomite 4408 4412 No porosity or shows

Set and cemented 5 1/2" OD, 17 1/2' SR t hd., R-1, South Chester L.W. steel casing (A cond.) at 4408' with 200 sacks of common cement and 2 sacks of aquagel. Finished cementing at 1:30 a.m. 8/19/53.

Halliburton Temperature Survey showed top of cement behind 5 1/2" casing at 3148'.

Rigged up cable tools and bailed the hole down on August 23. Drilled cement plug to 4403 1/2' and 5 1/2" casing tested dry. Ran Lane-Wells Gamma Ray Survey, and on August 24, perforated 5 1/2" casing from 4330' to 4337' with 42 holes by Lane-Wells. Bailed and tested 3 hours, 6 barrels of salt water. Ran 2" tubing and set Halliburton DM retainer at 4220' and cemented off perforations from 4330' to 4337' with 100 sacks of cement, maximum TP-3500#. Pulled tubing and shut down for cement to set.

On August 28, bailed the hole dry and drilled cement plug and cleaned out to 4330'. Perforated 5 1/2" casing from 4324' to 4327' with 18 holes by Lane-Wells. Bailed and tested 2 hours, 30 gallons of salt water and no oil per hour. Ran 2" tubing and set Halliburton DM retainer at 4310', cemented off perforations from 4324' to 4327' with 100 sacks of cement, maximum TP-3500#. Pulled 2" tubing and bailed hole dry and 5 1/2" casing tested dry.

On August 31, perforated 5 1/2" casing from 4174' to 4180' with 36 holes by Lane-Wells. Bailed and tested 14 hours, 1 gallon of salty water with very slight scum of oil per hour. On September 1, ran 2" tubing and set Halliburton MN packer at 4134'. Ran 250 gallons of Halliburton MCA acid and followed with Halliburton Sand-Oil-Frac from 4174' to 4180' as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4174' and 4180'

Used 25 barrels of heavy crude oil
1500# of sand
Maximum TP-2800#, broke to 2300#
Time 23 minutes

Pulled tubing and packer and swabbed through 5 1/2" casing 15 hours, 127 barrels of oil used in treating and no water. Set Lane-Wells cast iron bridging plug at 4130' and perforated 5 1/2" casing from 3828' to 3838' with 54 holes by Lane-Wells. Bailed and tested 13 hours, 8 gallons of salty water with scum of oil per hour. On September 4, treated through 5 1/2" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 3828' and 3838'

Treatment put in 9/4/53 by Halliburton, using 500 gallons of acid and 112 barrels of oil to fill and flush hole.

TIME	CP	TP	REMARKS
12:00 m			Start acid
12:19 pm	Vac.		Acid on bottom
12:22 pm	Vac.		500 gallons of acid in

Swabbed through 5 1/2" casing 16 hours, 106 barrels of oil used in treating and 24 barrels of water. On September 5, ran 2" tubing and set Halliburton "DM" packer at 3810' and cemented off perforations from 3828' to 3838' with 100 sacks of cement, maximum TP-3500. Pulled tubing and shut down for cement to set.

On September 8, bailed the hole dry and 5 1/2" casing tested dry. Drilled cement retainer at 3810', then drilled cement plug and cleaned out to 3824 1/2'. Perforated 5 1/2" casing from 3818' to 3822' with 24 holes by Lane-wells. Bailed and tested 3 hours, 2 barrels of oil with slight trace of water per hour. Treated through 5 1/2" casing from 3818' to 3822' with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3818' and 3822'

Treatment put in 9/9/53 by Halliburton, using 500 gallons of acid and 102 barrels of oil to fill and flush hole.

TIME	CP	REMARKS
2:35 pm	Vec.	Started acid down casing
3:03 pm	1000	500 gallons of acid on bottom
3:06 pm	450	200 gallons of acid in formation
3:08 pm	450	400 gallons of acid in formation
3:10 pm	450	500 gallons of acid in formation

Swabbed out oil used in treating, then swabbed 19 hours, 136 barrels of oil and 34 barrels of water. On September 10, ran 2" tubing and rods and on September 11, POB 8 hours, 25.06 barrels of oil and 16.70 barrels of water to establish 24 hour State Corporation Commission potential of 75 barrels. This potential allows 25 barrels per day.

TOTAL DEPTH 4412' PB 3824 1/2'

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
120'	1/2 Degree
250'	1/2 "
1000'	1/2 "
1250'	1/2 "
1500'	1/2 "
1750'	1/2 "
2000'	1/2 "
2500'	1/2 "
3000'	1/2 "
3250'	1/2 "

WATER ANALYSIS

Skelly Oil Company Pawhuska Research Laboratory

Sample No. 7134 Depth 4330'-4337' September 2, 1953

	PPM
Chlorides as Cl.	53,367
Sulfates as SO ₄	1,732
Chlorides as NaCl.	87,967
Sulfates as CaSO ₄	2,455

Sample No. 7138 Depth 4174'-4180' September 4, 1953

Chlorides as Cl.	42,375
Sulfates as SO ₄	2,113
Chlorides as NaCl.	69,848
Sulfates as CaSO ₄	2,994

Sample No. 7161 Depth 3828'-3838' September 10, 1953

Chlorides as Cl.	104,962
Sulfates as SO ₄	1,510
Chlorides as NaCl.	173,012
Sulfates as CaSO ₄	2,139

Sample No. 7193 Depth 3818'-3822' September 17, 1953

Chlorides as Cl.	95,387
Chlorides as NaCl.	157,231
Sulfates as SO ₄	630
Sulfates as CaSO ₄	893

TEST ADDITIONAL LANSING LIME ZONES

Date Commenced: July 18, 1957
 Date Completed: August 26, 1957

CO from 3824 1/2' to 4130' PH TD-3873'

Production Before: 12 barrels of oil and 68 barrels of water
 Production After: POB 24 hours, 27 barrels of oil and 81 barrels of water

5 1/2" casing perforations open:
 Above bridging plug: 3860'-3872' with 244 holes
 Below bridging plug: 3882'-3886' with 24 holes, and from 4174' to 4180' with 36 holes

Producing Formation: Lansing Lime

- - - - -

On July 18, 1957, moved in and rigged up cable tools of W. L. Copeland Drilling Company and pulled rods and 2" tubing. Swabbed through 5 1/2" casing 5 hours, 12 barrels of oil and 31 barrels of water.

Drilled cement plug to 3855' and bailed and cleaned out to 4130'. Perforated 5 1/2" casing from 3946' to 3950' and from 3961' to 3970' with 79 holes by Lane-Wells. Ran 2" tubing with Halliburton straddle packers, top packer set at 3956', bottom set at 3977'. Swabbed through 2" tubing 2 hours, no shows. Treated with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 3 - Between 3961' to 3970'

Treatment put in 7/20/57 by Halliburton, using 750 gallons of acid and 26 barrels of oil.

TIME	CP	TP	REMARKS
11:34 pm		300'	Start 15% acid
11:36 pm		500'	Start HV acid
11:40 pm		500'	Acid on bottom
11:41 pm		800'	Start flush
12:00 m		800'	Treatment completed

Swabbed through tubing 3 hours, 26 barrels of oil used in treating and 18 barrels of acid water; then swabbed 12 hours, 51 barrels of formation water with trace of oil.

Pulled and reran 2" tubing with Halliburton straddle packer set with top packer at 3934', bottom set at 3955'. Swabbed through 2" tubing 3 hours, 0.83 barrels of water with scum of oil per hour. Treated through 2" tubing with 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 4 - Between 3946' and 3950'

Treatment put in 7/21/57 by Halliburton, using 500 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
9:00 am			Start acid
9:03 am			Start flush
9:07 am		1300'	Acid on bottom
9:30 am		0'	Treatment completed

Swabbed through 2" tubing 5 hours, 20 barrels of oil used in treating and 6 barrels of spent acid water. Swabbed through 2" tubing 3 hours, 6 barrels of acid water; then swabbed 2 hours, 6 1/2 barrels of formation water, no oil.

Pulled tubing and straddle packers. Perforated 5 1/2" casing from 3912' to 3922' and from 3928' to 3938' with 120 holes by Lane-Wells. Ran 2" tubing and set straddle packers with top packer set at 3923' and bottom packer set at 3944'. Swabbed through 2" tubing 3 hours, no shows. Treated through 2" tubing with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 5 - Between 3928' and 3938'

Treatment put in 7/23/57 by Halliburton, using 750 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
8:00 am			Start acid
8:03 am			Start HV acid
8:07 am		2050'	Acid on bottom
8:15 am		1900'	15% acid in
8:30 am		800'	HV acid in, treatment completed

Swabbed through tubing 3 hours, 10 barrels of oil used in treating and 18 barrels of acid water. Then swabbed 3 hours, 24 barrels of water and no oil. Swabbed through 2" tubing 4 hours, 26 barrels of water.

Reset packers with top packer at 3903' and bottom packer at 3924'. Swabbed through 2" tubing 18 hours, 3 1/2 barrels of water with scum of oil.

Plugged 2" tubing and packers. Ran 2" tubing and set DR retainer at 3900', cemented off perforations from 3961' to 3970', 3976' to 3950', 3928' to 3938', and from 3912' to 3922' with 200 sacks of common cement, maximum 11-3500'.

Swabbed out water used in cementing. Ran 2" tubing and packers. Perforated 5 1/2" casing from 3882' to 3886' with 21 holes, and from 3860' to 3872' with 99 holes by lane-wells. Ran 2" tubing and set straddle packers with top packer set at 3874', bottom at 3895'. Swabbed through 2" tubing with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 6 - Between 3862' and 3861' Treatment put in 7/27/57 by Halliburton, using 750 gallons of acid and 20 barrels of oil.

TIME	REMARKS
12:00 m	Start 15% acid
12:10 am	750 acid on bottom
12:15 am	250 gallons of acid in
12:23 am	1000 250 gallons of HV acid in
12:30 am	1000 500 gallons of HV acid in, treatment completed

Swabbed through 2" tubing 4 hours, 20 barrels of oil used in treating and 18 barrels of acid water; then swabbed 5 hours, 48 barrels of water with sum of oil.

Reset straddle packers with top packer at 3850', bottom packer at 3875'. Swabbed through 2" tubing 2 hours, no shows. Treated through 2" tubing with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 7 - Between 3860' and 3872' Treatment put in 7/21/57 by Halliburton, using 750 gallons of acid and 20 barrels of oil.

TIME	REMARKS
2:30 pm	Start 15% acid
2:32 pm	Start HV acid
2:40 pm	2000 acid on bottom
2:45 pm	1500 Start Flush
3:00 pm	100 acid in, treatment completed

Swabbed through 2" tubing 5 hours, 20 barrels of oil used in treating and 18 barrels of acid water. Then swabbed 6 hours, 5 barrels of formation oil and 20 barrels of water. On July 28, swabbed through 2" tubing 24 hours, 9 barrels of oil and 32 barrels of water. Swabbed through 2" tubing 3 hours, 3 1/4 barrels of oil and 3 barrels of water.

Reset straddle packers with top packer at 3805', bottom packer at 3826', to test perforations from 3818' to 3822'. Swabbed through 2" tubing 12 hours, 17 barrels of oil and 63 barrels of water; then swabbed 7 hours, 2 barrels of oil and 14 barrels of water.

Plugged 2" tubing and Halliburton straddle packers. Set lane-wells bridging plugs at 3876' and 3800'. Swabbed and balled hole dry, 5 1/2" casing tested dry. Plugged back from 3800' to 3795' with 1/2 sack of Cal-Seal. Perforated 5 1/2" casing from 3755' to 3774' with 111 holes by lane-wells; balled and tested 3 hours, 1 gallon of water with sum of oil per hour. Treated through 5 1/2" casing with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 8 - Between 3755' and 3774' Treatment put in 7/30/57 by Halliburton, using 750 gallons of acid and 93 barrels of oil.

TIME	REMARKS
11:00 pm	Start 15% acid
11:03 pm	Start HV acid
11:10 pm	Start Flush
11:20 pm	500 15% acid on bottom
11:25 pm	250 HV acid on bottom
11:35 pm	350 acid in
11:40 pm	Treatment completed

Swabbed through 5 1/2" casing 3 hours, 80 barrels of oil used in treating and 18 barrels of acid water; then swabbed through 5 1/2" casing 2 hours, 13 barrels of oil used in treating and 27 barrels of formation water. Swabbed 4 hours, 4 barrels of oil and 76 barrels of water.

Ran 2" tubing and set DR retainer at 3736'. Cemented off perforations from 3755' to 3774' with 150 sacks of common cement, maximum 11-3500'.

On August 3, swabbed and balled hole dry, 5 1/2" casing tested dry. Balled retainer at 3736', cement plug, and cleaned out to 3778'. Balled hole dry to top of bridging plug at 3800', 5 1/2" casing tested dry. Loaded hole with 30 barrels of oil, drilled up lane-wells bridging plug at 3800', drilled cement plug, and cleaned out to 3673'. Swabbed out oil used to load hole; balled and tested 3 hours, 5 1/2" casing tested dry.

Reperforated 5 1/2" casing from 3818' to 3822' with 24 holes by lane-wells; balled 2 hours, no recovery. Reperforated 5 1/2" casing from 3860' to 3872' with 73 holes by lane-wells; balled 2 hours, no recovery. Ran

2" tubing with Halliburton HM packer set at 3854'. Treated through 2" tubing with 250 gallons of Halliburton MCA acid and 500 gallons of HV acid as follows:

ACID TREATMENT NO. 9 - Between 3860' and 3872'

Treatment put in 8/6/57 by Halliburton, using 750 gallons of acid and 18 barrels of oil.

TIME	CP	TP	REMARKS
1:45 pm			Start acid
2:01 pm		2300	Acid on bottom
2:04 pm		1000	
2:05 pm		0	Treatment completed

Swabbed through 2" tubing 6 hours, 17 barrels of oil used in treating and 18 barrels of spent acid water. Swabbed through 2" tubing 6 hours, 1½ barrels of formation oil and 12 barrels of water.

Pulled 2" tubing and HM packer. Ran 2" tubing with Halliburton straddle packer, top set at 3809' and bottom set at 3826'. Swabbed through 2" tubing 2 hours, 2 gallons of water with scum of oil per hour. Treated through 2" tubing with 250 gallons of Halliburton MCA acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 10 - Between 3818' and 3822'

Treatment put in 8/6/57 by Halliburton, using 750 gallons of acid and 18 barrels of oil.

TIME	CP	TP	REMARKS
6:30 pm			Start MCA acid
6:33 pm			Start HV acid
6:40 pm		2000	Acid on bottom
6:45 pm		1600	Start flush
6:47 pm		1400	MCA acid in
6:58 pm		1250	HV acid in
7:00 pm		1250	Treatment completed

Swabbed through 2" tubing 7 hours, 16 barrels of oil used in treating and 10 barrels of spent acid water. On August 8, swabbed through 2" tubing 24 hours, 1/2 barrel of oil used in treating and 8 barrels of acid water and 56 barrels of formation water.

Pulled 2" tubing and Halliburton straddle packer. Perforated 5½" casing from 3828' to 3838' with 61 holes by Lane-Wells. Ran 2" tubing with Halliburton straddle packers, top packer set at 3825' and bottom set at 3846'. Swabbed through 2" tubing 10 hours, 32 barrels of water, no oil. Pulled 2" tubing and straddle packers. Set Lane-Wells cast iron bridging plug at 3850', ran 2" tubing and set Halliburton DM retainer at 3814'. Cemented off perforations from 3818' to 3822' and from 3828' to 3838' with 150 sacks of cement, maximum TP-3500.

Swabbed and bailed hole dry, tested dry. Perforated 5½" casing from 3804' to 3810' with 37 holes by Lane-Wells; bailed and tested 5 hours, no recovery. Ran 2" tubing and set Halliburton HM packer at 3796'. Treated through 2" tubing with 250 gallons of Halliburton MCA acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 11 - Between 3804' and 3810'

Treatment put in 8/14/57 by Halliburton, using 750 gallons of acid and 18 barrels of oil.

TIME	CP	TP	REMARKS
12:00 n			Start acid
12:03 pm			Start HV acid
12:15 pm		1200	Acid on bottom
12:17 pm		800	Acid in
12:30 pm		650	Treatment completed

Swabbed through 2" tubing 15 hours, 13 barrels of oil used in treating, 18 barrels of acid water, and 43 barrels of formation water.

Pulled 2" tubing and Halliburton HM packer. Ran 2" tubing and set Halliburton DM retainer at 3746'. Cemented off perforations from 3804' to 3810' with 150 sacks of common cement, maximum TP-3500.

Swabbed and bailed hole dry, 5½" casing tested dry. Drilled DM retainer at 3746', drilled cement and cleaned out to 3814'. Bailed and tested 2 hours, 5½" casing tested dry. Drilled cement retainer at 3814', drilled cement and cleaned out to 3850'. Bailed and tested 2 hours, 5½" casing tested dry. Drilled Lane-Wells bridging plug at 3850'. Drilled cement and cleaned out to 3873'. Bailed and tested 2 hours, 5½" casing tested dry.

Reperforated 5½" casing from 3860' to 3872' with 72 holes by Lane-Wells; bailed and tested 3 hours, 2 gallons of water per hour. Ran 2" tubing and set Halliburton HM packer at 3855'. Treated through 2" tubing with 250 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 12 - Between 3860' and 3872'

Treatment put in 8/20/57 by Halliburton, using 2000 gallons of acid and 18 barrels of oil.

TIME	CP	TP	REMARKS
6:00 pm			Start acid
6:03 pm		900	Start flush
6:05 pm		1000	Acid on bottom
6:20 pm		850	Acid clear
6:22 pm		800	Treatment completed

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 JUL 20 1957
 CONSERVATION DIVISION
 Wichita, Kansas

Swabbed through 2" tubing 11 hours, 15 barrels of oil used in treating and 15 barrels of acid water. On August 21, swabbed through 2" tubing 20 hours, 1 barrel of oil used in treating and 19 barrels of formation water. Reacidized through 2" tubing with 1000 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 13 - Between 3860' and 3872'

Treatment put in 8/22/57 by Halliburton, using 1000 gallons of acid and 18 barrels of oil.

TIME	CP	TP	REMARKS
11:00 am			Start HV acid
11:07 am		1200	Acid on bottom
11:10 am		1100	Start flush
11:27 am		700	Acid clear
11:30 am		800	Treatment completed

Swabbed through 2" tubing 6 hours, 18 barrels of oil used in treating and 24 barrels of acid water; then swabbed 10 hours, 3 barrels of formation oil and 12 barrels of water. Reacidized through 2" tubing with 2500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 14 - Between 3860' and 3872'

Treatment put in 8/23/57 by Halliburton, using 2500 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
1:00 pm			Start acid
1:03 pm		200	Acid on bottom
1:09 pm		400	
1:12 pm		1000	
1:27 pm		1150	
1:32 pm		1200	Treatment completed

Swabbed through 2" tubing 4 hours, 20 barrels of oil used in treatment and 60 barrels of acid water; then swabbed 6 hours, 8 barrels of oil and 35 barrels of water.

Pulled 2" tubing and packer. Ran 2" tubing and rods. On August 25, POB 16 hours, 22 barrels of oil and 66 barrels of water. On August 26, POB 24 hours, 27 barrels of oil and 81 barrels of water.

PLUGGED BACK TOTAL DEPTH 3873'

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 S. F. Chance
 SEC. 4 T. 26S R. 13W
 BLOCK _____ SURVEY _____

WELL NO. 2 DISTRICT Rocky Mountain
 COUNTY Pratt AFE NO. 22823
 STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced August 24, 1967 Date completed August 28, 1967
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3873' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before 1 1/2 bbls. oil _____ bbls. water _____ cu. ft. gas.
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas.
 Tools owned by: Ralph Comstock Pipe Pulling, Inc. 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 OD	WT.	THDS.	KIND	COND	LEFT IN				PULLED OUT					
					Jts.	LTM		WTM		Jts.	LTM		WTM	
						Feet	In.	Feet	In.		Feet	In.	Feet	In.
8-5/8"	22.7	33			21			512	0	93	2033	0	2053	0
5-1/2"	17 7/8	8 1/2	RI LW	B	96	2306	0	2327	0	4	75	3	76	3

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 secondary recovery purposes, regular authority was granted to plug and abandon it.

On August 24, 1967, moved in and rigged up plugging machine of Ralph Comstock Pipe Pulling, Inc. and plugged the well as follows:

Sand 3873' to 3825'
 20 sacks of cement 3825' to 3685'

Shot 5 1/2" casing at 2998', 2842', 2713', 2598', 2508', 2418', 2322', 2226' and 2114'. Pulled 97 joints (2129.15') of 5 1/2" casing.

Mud laden fluid 3685' to 340'
 Rock bridge 340' to 330'
 25 sacks of cement 330' to 270'
 Mud 270' to 40'
 Rock bridge 40' to 30'
 10 sacks of cement 30' to Base of cellar
 Surface soil Cellar to Surface

Plugged and abandoned August 28, 1967.

SKELLY OIL COMPANY
CHANGE IN WELL RECORD

This complete description of all changes in casing, tubing, plugging, etc., and listing of changes in casing material, etc., shall be recorded in original well log.

LEASE NAME _____
 COUNTY _____
 STATE _____
 WEST NO. _____
 DISTRICT _____
 APP NO. _____

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 CONSERVATION DIVISION
 WICHITA, KANSAS

One formation _____
 Produced from _____
 Plugged back to _____
 Spaced out from _____
 Production after _____
 This well is _____
 Produced from _____
 Revised (complete report) _____
 Cost of job \$ _____

TREATMENT RECORD

DATE	TYPE OF TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

CHANGE IN CASING RECORD

STANDARD	SIZE	WHERE SET (Depth)	CEMENTING RECORD (Depth and Top of Cement)	REMARKS	CUT IN				CUT OUT
					WT.	THICK.	KIND	COND.	

PRODUCING FROM

FORMATION _____
 PERMITS FOR REVIEW OF THIS RECORD AND FOR OFFICE DURING 21 DAYS