

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

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

Barber County, Sec. 36 Twp. 32S Rge. (E) 13 (W)

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

Lease Owner Skelly Oil Company

Lease Name G. S. Lonker Well No. 3

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

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

Date well completed July 12, 19 53

Application for plugging filed March 31, 19 64

Application for plugging approved April 1, 19 64

Plugging commenced April 28, 19 64

Plugging completed May 4, 19 64

Reason for abandonment of well or producing formation Depleted

If a producing well is abandoned, date of last production May 1, 19 62

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 Mr. A. Elving

Producing formation Tonganoxie Sand Depth to top 3847' Bottom Total Depth of Well 3866 Feet
PB 3858'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Tonganoxie Sand	Gas	3849'	3866'	8-5/8"	518'3"	None
					3891'0"	2815'

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	3858' to 3830'
20 sacks of cement	3830' to 3770'
Mud	3770' to 300'
Rock bridge	300' to 290'
25 sacks of cement	290' to 215'
Mud	215' to 40'
Rock bridge	40' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to Surface

RECEIVED
STATE CORPORATION COMMISSION

MAY 25 1964

CONSERVATION DIVISION
Wichita, Kansas

Name of Plugging Contractor Ralph Comstock Pipe Pulling Company
Address Stafford, Kansas

STATE OF Nebraska, COUNTY OF Red Willow, ss. C. F. Bass (employee of owner) or (owner or operator)

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) *[Signature]*
P.O. Box 649, McCook, Nebraska
(Address)

SUBSCRIBED AND SWORN TO before me this 21st day of May, 19 64

My commission expires June 13, 1969 *[Signature]* Notary Public.

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil	0	42	
Red bed, shale and shells	42	520	Set and cemented 5 1/2" OD, 17% thd., 2-1, So. Chester L.P. steel casing (1 cond.) at 520' with 300 sacks of Portland cement and 3 sacks of calcium chloride. Finished 11:20 a.m. 6/24/53.
Red bed	520	918	
Anhydrite	918	945	
Red bed and shells	945	1300	
Shale, shells and lime	1300	1715	
Lime	1715	1880	
Lime and shale	1880	2080	
Shale	2080	2550	
Shale and shells	2550	2905	
Lime and shale	2905	3090	
Shale	3090	3155	
Lime and shale	3155	3240	
Shale	3240	3305	
Lime	3305	3457	
Lime and shale	3457	3670	
Sand and shale	3670	3819	
Sand and shale	3819	3840	

TOP DEPTH SAND 3634'
TOP DEPTH SHALE 3749'

Good porosity; no stain or odor.

Run Halliburton drill stem test, packer set at 3815', open 30 minutes, recovered 5' of mud, 1110-0, initial flow 0, final flow 0.

Sand and shale	3840	3846	
Coarse, medium to fine white loosely cemented sand	3846	3860	
TOTAL DEPTH	3860		

Good porosity, no stain or odor. Run Halliburton drill stem test, packer set at 3830', open 20 minutes, gas to surface immediately, flowed through 2" opening, gas gauged by spring gauge first 5 minutes, 7,600 M.C.F.; first 10 minutes, 8,840 M.C.F.; 15 minutes, 8,908 M.C.F.; 20 minutes, 8,908 M.C.F.; recovered 1' condensate, 287-1190, initial flow 1025, final flow 1110.

Run Schlumberger survey.

Set and cemented 5 1/2" OD, 17% thd., 2-1, So. Chester L.P. steel casing (1 cond.) at 3849' with 150 sacks of cement. Finished 11:00 a.m. 7/7/53. Halliburton Temperature survey showed top of cement behind 5 1/2" casing at 2920'.

On July 7, moved in cable tools, bailed hole dry and drilled cement plug and cleaned out to 3840', 5 1/2" casing tested dry. Loaded hole with water, drilled cement plug, and cleaned out to bottom. Bailed and cleaned up hole, ran 2" tubing, swabbed through 2" tubing 1 hour and well started flowing.

On July 12, flowed through 2" tubing 30 minutes to clean hole; then flowed through 2" open tubing 30 minutes, gas gauged by spring gauge 8,962 M.C.F. for indicated deliverability of 57,318 M.C.F., 31 GP-1075, flowing GP-1017.

SLOPE TABLE DATA

DEPTH	ANGLE OF DEFLECTION
750'	1/2 Degree
1000'	1/2 "
1250'	1/2 "
1500'	1/2 "
1750'	1/2 "
2000'	1/2 "
2500'	1/2 "
2750' OUT FLOW	1/2 "
3000'	1/2 "
3250'	0
3601'	1/2 "
3840'	1/2 "

PLUGGING BACK AND DEPLETING RECORDS

DATE COMMENCED	DATE COMPLETED	NO. OF PLUGS	NO. OF DEPLETIONS	REMARKS

SHUT OFF WATER

Date Commenced: November 19, 1958

Date Completed: December 1, 1958

Plugged back from 3866' to 3854'

FB 10-3854'

Production Before: 752 MCF gas and 34 barrels water per day

Production After: 730 MCF gas and 2 barrels water

Producing Formation: Tonganoxie Sand

On November 19, 1958, moved in and rigged up cable tools of W. L. Copeland Drilling Company, pulled 2" tubing, ran steel line measurement and found 5' of cavings in hole. Bailed and cleaned out to bottom.

Plugged back from 3866' to 3851' with 50 gallons of Dowell Cement. Let set 3 hours, then drilled Cement and cleaned out to 3858' SLM. Ran 2" tubing and set Halliburton HM packer at 3840'. Swabbed through 2" tubing 4 hours, 20 barrels of water used in loading hole, small show of gas. Pulled 2" tubing and packer and loaded hole with 20 barrels of salt water.

Tried to perforate open hole from 3850' to 3857' and could not get gun below 3853'. Drilled Cement and cleaned out to bottom. Ran 2" tubing and set Halliburton HM packer at 3840'. Swabbed through 2" tubing 30 minutes to swab hole down, 15 barrels of water used in loading hole. Swabbed through 2" tubing 6 hours, 27 barrels of water used in loading hole, gas too small to gauge. Flowed through 2" tubing 4 hours, 24 barrels of water used to load hole.

Perforated open hole from 3857' to 3865' with 32 cone shots by Lane-Wells. Swabbed through 2" tubing 15 minutes, 7 1/2 barrels of water used in loading hole and well began to flow. Flowed through 2" tubing 15 hours, 48/64" choke, 64 barrels of water used to load hole, gas gauged 1,020 MCF, PTP-65%.

On November 23, flowed through 2" tubing 6 hours, 48/64" choke, 24 barrels of water used to load hole, gas gauged 1,250 MCF, PTP-120%, separator pressure 75%. Pulled 2" tubing and packer, and bailed and cleaned out hole.

Plugged back with 16 gallons of Latex cement from 3866' to 3854'. Drilled cement and cleaned out to 3858'. Ran 2" tubing and set Halliburton HM packer at 3840'. Swabbed through 2" tubing 15 minutes, 8 barrels of water used to load hole and well began to flow. Flowed through 2" tubing 18 hours, 48/64" choke, 38 barrels of water used to load hole, gas gauged 1,020 MCF, PTP-90%.

On November 25, flowed through 2" tubing 6 hours, 48/64" choke, 3 barrels of water used to load hole, gas gauged 1,020 MCF. Flowed through 2" tubing 18 hours, 20/64" choke, 9 barrels of formation water, gas gauged 436 MCF, PTP-375%.

On November 26, flowed through 2" tubing 24 hours, 48/64" choke, 28 barrels of water, gas gauged 1,020 MCF, PTP-80%. On November 27, flowed through 2" tubing 24 hours, 48/64" choke, 32 barrels of water, gas gauged 1,250 MCF, PTP-80%.

Pulled 2" tubing and packer, bailed and cleaned out hole to bottom, and plugged back with 24 gallons of Halliburton Latex cement from 3858' to 3856'. Loaded hole with 18 barrels of salt water. Ran 2" tubing and set Halliburton HM packer at 3840'. Swabbed through 2" tubing 1 1/2 hours, 18 barrels of load water and well began to flow.

On November 28, flowed through 2" tubing 5 hours, 48/64" choke, 3 barrels of formation water, gas gauged 1,020 MCF, PTP-60%. Flowed through 2" tubing 6 hours, 48/64" choke, 1/2 barrel of salt water per hour, gas gauged 1,020 MCF, PTP-60%.

Pulled 2" tubing and packer. Bailed and cleaned out hole to bottom. Loaded hole with 18 barrels of salt water. Plugged back with 24 gallons of Halliburton Latex cement from 3856' to 3854'. Ran 2" tubing and set Halliburton HM packer at 3840'. Swabbed through 2" tubing 1 hour, 15 barrels of load water and well began to flow. Flowed through 2" tubing 7 hours, 48/64" choke, 3 barrels of load water, gas gauged 481 MCF. Then flowed through 2" tubing 15 hours, 48/64" choke, 2 barrels of formation water, gas gauged 660 MCF, PTP-20%.

Pulled 2" tubing and packer. Reran 2" tubing and set at 3852'. Swabbed through 2" tubing 6 hours, 77 barrels of load water and well began to flow. On December 1, flowed through 2" tubing 2 hours, 12/64"

choke, 2 barrels of formation water, gas gauged 730 MCF, FWP-357, FCP-1507.

Connected with Kansas Power & Light gathering line at 9:30 a.m. 10/2/58. Flowed through 4" loop with 1 1/2" orifice, 2" differential, FCP-5507, FWP-5207, line pressure 470#, gas gauged 300 MCF.

PLUGGED BACK TOTAL DEPTH 3854'

10/2/58
10/2/58
10/2/58

See

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.

G. S. Lanier **3** **Western Kansas**

LEASE _____ WELL NO. _____ DISTRICT _____

SEC. **36** T. **300** R. **13W** COUNTY **Barber** JOB NO. _____

SURVEY _____ BLOCK _____ STATE **Kansas**

CLEANING OUT RECORD	PLUGGING BACK OR DEEPENING RECORD
Date commenced..... May 29, 1959	Date commenced..... 19 _____
Date completed..... May 30, 1959	Date completed..... 19 _____
Cleaned out from 2850' to 2850' T. D. 2850'	Plugged back or deepened from..... to..... T.D.....
Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas..... 0	Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas.....
Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas..... 26 310,000	Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas.....
Kind of tools used: Cable	Kind of tools used:.....
Tools owned by: V. L. Copeland	Tools owned by:.....

SHOT RECORD

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

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.....

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

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MAY 25 1964

CONSERVATION DIVISION
Wichita, Kansas

Superintendent.

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

On May 24, 1919, moved in cable tools of W. J. Copeland and pulled 2" tubing. Ran bailer and found no fill up in hole, gas gauged 310 MCF.

Drilled latex cement and cleaned out from 3654' to 3658'. Flowed through 5 1/2" casing 2 hours, 1-3/4 barrels water per hour, gas gauged 1,000 MCF. On May 29, flowed through 5 1/2" casing 5 hours, 1 1/2 barrels water per hour, gas gauged 1,450 MCF, then flowed through 5 1/2" casing 19 hours, 12/64" choke, 16 barrels water, gas gauged 310 MCF, FOP-2703.

Run 2" tubing to 3656'. Connected to Kansas Power and Light Company's gathering line at 3:00 pm 9/30/59, 70" differential through 4" meter with 1/2" orifice, line pressure 2250, PIP-4250, FOP-5750.

PLUGGED BACK TOTAL DEPTH 3850'

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
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FOUR GAS YARD

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., recorded in original well record.

LEASE NAME G. S. Lonker WELL NO. 3 DISTRICT Platte
 SEC. 36 T. 32S R. 13W COUNTY Harbor AFE NO. 74
 BLOCK _____ SURVEY _____ STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced April 28, 1964 Date completed May 4,
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3858' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before _____ bbls. oil 28 bbls. water 98,000
 Production after _____ bbls. oil _____ bbls. water _____
 Tools owned by Ralph Comstock Pipe Pulling 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

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 MAY 25 1964

CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		REMARKS
			Sacks Used	Top Cem't. Bhd. Casing	
Production					
Liner					Top liner

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT				
					Jts.	Feet	LTM	In.	Feet	WTM	In.	Jts.	Feet
5-1/2"	17 1/2	8 1/2	EL LW	0	40	1000	5	1070	0	120	275	0	275
5-1/2"	17 1/2	8 1/2	EL LW	0						2	65	7	4

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 was depleted to the extent it would no longer deliver against the pipeline, regular authority was granted to plug and abandon the well, as there were no other zones which merited testing.

April 28, 1964, moved in and rigged up pipe pulling machine of Comstock Pipe Pulling Company and plugged the well as follows:

Sand 3838' to 3830'
 20 sacks of cement 3830' to 3770'

Shot 5 1/2" casing at 2902', 2842', 2782' and pulled 2815' of casing.

Mud 3770' to 300'
 Rock bridge 300' to 290'
 25 sacks of cement 290' to 215'
 Mud 215' to 40'
 Rock bridge 40' to 30'
 10 sacks of cement 30' to 6'
 Surface soil 6' to Surface

Plugged and abandoned 5/4/64.