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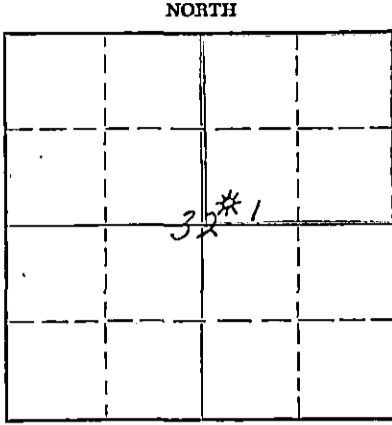
STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bittling Building
Wichita, Kansas

Meade County, Sec. 32 Twp. 33S Rge. (E) 26 (W)

Location as "NE/CNW/SW" or footage from lines SW/4 SW/4 NE/4
Lease Owner Skelly Oil Company
Lease Name D. B. Shrewder Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Gas
Date well completed July 21, 19 53
Application for plugging filed August 30, 19 54
Application for plugging approved September 1, 19 54
Plugging commenced October 25, 19 54
Plugging completed October 28, 19 54
Reason for abandonment of well or producing formation Depleted Gas Well



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production May 11, 19 54
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. M. A. Rives
Producing formation Mississippi Lime Depth to top 5815 Bottom 5925' Total Depth of Well 5980 Feet
Show depth and thickness of all water, oil and gas formations. PB 5947'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Mississippi Lime	Gas	5815'	5925'	9-5/8"	1334' 0"	None
				5-1/2"	6024' 5"	2774' 4"

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.

50 gallons of rock	5947' to 5897'
25 sacks of cement	5897' to 5722'
Mud	5722' to 500'
Crushed rock	500' to 490'
30 sacks of cement	490' to 450'
Mud	450' to 30'
Crushed rock	30' to 25'
10 sacks of cement	25' to 6'
Surface soil	6' to 0'

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

Name of Plugging Contractor Ace Pipe Pulling Company
Address P.O. Box 304, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.
H. E. Wamsley (employee of 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) [Signature]
Box 391, Hutchinson, Kansas (Address)

SUBSCRIBED AND SWORN TO before me this 11th day of November, 19 54

My commission expires April 7, 1955

[Signature] Notary Public.

PLUGGING
WELL SEC 32 T 33 R 26W
BOOK PAGE 60 LINE 31

RECORDED
NOV 12 1954
Wichita, Kansas

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil, red bed, sand and shale	0	505	
Red bed and shells	505	912	
Red bed, shale and shells	912	1181	
Red bed, salt, anhydrite shells and lime	1181	1334	TOP ANHYDRITE 1305'
Shale and shells	1334	1395	Top and cemented 9-5/8" O.D., 32.50, 55 thi., N-2, N-40, S.S. casing (1 cond.) at 1334' with 750 sacks of cement. Cement circulated.
Anhydrite, shale and shells	1395	1858	
Anhydrite, shale, shells, and salt	1858	2265	TOP BURLINGTON 1880'
Anhydrite, shale and shells	2265	2412	
Sand, anhydrite and shale	2412	2533	
Anhydrite and shale	2533	2659	TOP HOLLAND 2582' UPPER BURLINGTON 2610'
Anhydrite, lime and shale	2659	2760	TOP WINDYBROOK 2670' TOP WINDYBROOK 2702' TOP DOYLE 2741'
Lime and shale	2760	2975	TOP TORONTO 2770' TOP WINDYBROOK 2835' TOP BURLINGTON 2880'

FORMATION	TOP	BOTTOM	REMARKS
Cherty lime	2975	3023	TOP WINDYBROOK 3003'
Shale and lime	3023	3969	
Shale and shells	3969	4044	
Shale	4044	4218	
Shale and lime	4218	4248	
Shale	4248	4413	
Shale and shells	4413	4480	
Shale and lime	4480	5066	TOP HOLLAND SHALE 4495' TOP TORONTO LIME 4515' TOP WINDYBROOK LIME 4670'
Cherty lime and shale	5066	5082	
Lime	5082	5118	
Lime and shale	5118	5838	TOP WINDYBROOK LIME 5200' TOP HOLLAND LIME 5516' TOP HOLLAND SHALE 5779' TOP HOLLAND LIME 5788' TOP MISSISSIPPI LIME 5811'

CORING RECORD

San Halliburton drill stem test, packer set at 5778', used 60' of anchor, light blow for 1 hour, recovered 75' drilling mud, DUP-300, no gas to surface.

Cored from 5838' to 5891' - Recovered 19'

Top 4'	Light gray to buff dense lime with slight porosity and good odor	
Next 3'	Black shale	
Next 2'	Buff dense lime	
Next 1'	Black shale	
Next 4'	Gray dense lime with slight porosity and fair odor	
Next 1'	Black shale	
Next 3'	Brown dense lime	
Next 3'	Gray dense lime, interbedded with shale	
Next 7'	Buff, fragmented dense lime, bleeding gas, slight to good porosity and odor	
Next 1'	Black limy shale	
Next 2'	Gray, dense lime with slight odor and slight porosity	
Next 4'6"	Gray dense lime	
Next 1'	Black shale	
Next 4'6"	Buff, fragmented lime	
Next 5'	Brown dense lime with black shale streaks	
Next 2'6"	Brown dense lime	
Last 1'6"	Black shale	

CORING RECORD

San Halliburton drill stem test, packer set at 5833', used 58' of anchor, open 1 hour and gas gauged 34 H.C.F., recovered 150' of gas-cut mud, DUP-850.

Cored from 5891' to 5944' - Recovered 53'

Top 1'	Light gray, fine-grained fossiliferous lime with shale partings	
Next 3'	Gray, coarsely crystalline fragmental fossiliferous lime with shale partings	
"	"	
"	"	
"	"	

(See Reverses for Record of Formations)

- Next 1' - Gray to brown fossiliferous dense lime
- Next 9' - Dark gray, fine grained lime with dark gray shale streaks
- Next 2' - Dark gray fossiliferous limy shale
- Next 1' - Dark gray lithographic lime
- Next 1' - Dark gray shale
- Next 3' - Gray, fine grained shaly lime interbedded with gray shale
- Last 32' - Gray oolitic micro-fossiliferous lime with fair porosity

Ran Halliburton drill stem test, packer set at 5884', open 1 hour, no gas to surface, recovered 130' gas cut mud, BHP-300', gas in 1800' of drill pipe.

Drilled:
Lime and shale 5944' to 5980' Ran Schlumberger Survey

Set and cemented 1864' of 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, C.S. casing (A cond.); 3357' of 5 1/2" OD, 11#, 8R thd., R-2, J-55, R.E.W. casing (A cond.); and 793' of 3 1/2" OD, 15.5#, 8R thd., R-2, J-55, C.S. casing (A cond.) at 5977' with 300 sacks of cement. Finished 9:00 a.m. 6/29/53. Ran Halliburton temperature survey and found top of cement at 4470'.

Moved in cable tools on July 1, bailed hole dry and 5 1/2" casing tested dry. Drilled cement plug to 5965' BLM. Ran Lane-Wells Gamma Ray Survey. Perforated 5 1/2" casing from 5909' to 5955' with 219 holes by Lane-Wells. Ran 2" tubing and set Halliburton HM packer at 5826'. Ran Halliburton Acidfree treatment as follows:

ACIDFRAC TREATMENT NO. 1 - Between 5909' and 5955'

- Used 4000 gallons of 5% Gel acid
- 2000 gallons 7 1/2% acid
- 30 gallons of Kerflo
- 8000' of sand
- 1700 gallons diesel fuel
- Time 1 hour, 24 minutes
- Maximum TP-3950'

Tried to swab through 2" tubing and swab would not go down tubing. Pulled tubing and swabbed through 5 1/2" casing to clean hole, gas gauged 160 M.C.F. On July 8, swabbed and bailed hole dry, gas gauged 160 MCF. Treated through 5 1/2" casing with 5000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 5909' and 5955'

Treatment put in 7/9/53 by Halliburton, using 5000 gallons of acid and 140 barrels of water to flush.

TIME	CP	TP	REMARKS
5:49 am	300'		Start acid
5:50 am	Vac.		750 gallons of acid in
5:57 am	Vac.		5000 gallons of acid in, start flush
6:07 am	Vac.		40 barrels of water in to flush
6:10 am	750'		75 barrels of water in to flush
6:12 am	750'		100 barrels of water in to flush
6:22 am	750'		Flushed with 140 barrels of water

Swabbed and bailed out water and spent acid water used in treating, gas gauged 475 M.C.F. Reacidized through 5 1/2" casing with 4000 gallons of Halliburton 15% acid and 4000 gallons of Halliburton 7 1/2% acid as follows:

ACID TREATMENT NO. 2 - Between 5909' and 5955'

Treatment put in 7/10/53 by Halliburton, using 8000 gallons of acid and 140 barrels of water to flush.

TIME	CP	TP	REMARKS
7:08 am	250'		Start 15% acid
7:14 am	0'		4000 gallons of 15% acid in, start 7 1/2% acid
7:16 am	0'		Acid on bottom
7:20 am	650'		4050 gallons 7 1/2% acid in, start flush
7:22 am	900'		12 barrels water in to flush
7:35 am	1200'		Flushed with 140 barrels of water

Swabbed and flowed 18 hours to clean up hole, gas gauged 900 M.C.F. Tried to set 5 1/2" Lane-Wells bridging plug at 5885' and plug would not hold. Ran another 5 1/2" OD Lane-Wells bridging plug and set plug at 5888'. Perforated 5 1/2" casing from 5856' to 5868' with 60 holes by Lane-Wells, gas gauged 900 M.C.F. Treated through 5 1/2" casing with 1000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 5856' and 5868'

Treatment put in 7/12/53 by Halliburton, using 1000 gallons of acid and 140 barrels of water.

TIME	CP	TP	REMARKS
3:00 pm	50'		Start acid
3:04 pm	Vac.		1000 gallons of acid in
3:30 pm	Vac.		Acid on bottom
3:34 pm	Vac.		Flushed with 140 barrels of water

Swabbed out water and spent acid water, gas gauged 1,000 M.C.F.

On July 13, drove Lane-wells bridging plug to 5962'. Set another Lane-wells bridging plug at 5853', plug would not hold. Ran another Lane-wells bridging plug and set at 5847'. Perforated 5 1/2" casing from 5829' to 5837' with 24 holes by Lane-wells, show of gas; perforated casing from 5815' to 5837' with 132 holes by Lane-wells, gas gauged 1,470 M.C.F. Treated through 5 1/2" casing with 2000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 4 - Between 5815' and 5837'

Treatment put in 7/15/53 by Halliburton, using 2000 gallons of acid and 140 barrels of water to flush.

TIME	CP	REMARKS
11:44 am	350'	Start acid
11:50 am	0'	2000 gallons of acid in, start flush
12:01 pm	0'	Acid on bottom
12:05 pm	0'	Flushed with 140 barrels of water

Flowed through 5 1/2" casing 4 hours to clean hole, gas gauged 1,470 M.C.F.

Drilled Lane-wells bridging plug to 5962'. Ran 2" tubing with perforated end. Ran 300 gallons of gel to shut off perforations from 5909' to 5955' and from 5858' to 5868', and treated with 4000 gallons of Dowell 15% acid as follows:

ACID TREATMENT NO. 5 - Between 5815' and 5837'

Treatment put in 7/17/53 by Dowell Inc., using 4000 gallons of acid and 127 barrels of water.

TIME	CP	TF	REMARKS
8:40 pm	840'	560'	Start gel 830 in tubing
8:52 pm	840'	560'	Start acid in casing
8:54 pm	840'	300'	300 gallons of gel in tubing, start flush in tubing
9:09 pm	0'	0'	4000 gallons of acid in casing, start flush in casing
9:10 pm	0'	0'	17 barrels of water in tubing, gel 830 on bottom
9:12 pm	0'	1200'	12 barrel water flush in casing, acid on bottom
			19 barrels water flush in tubing, 2 bbls. gel over perforations
9:19 pm	0'	1500'	Stop tubing pump
9:30 pm	0'	1000'	102 barrels water flush in casing

Swabbed out water and spent acid water used in treating. Swabbed through 2" tubing and well started flowing, flowed through 2" tubing 14 hours, gas too wet to gauge.

On July 19, flowed through 2" tubing 9 hours, gas gauged 1,450 M.C.F. CP-460'. Shut in until July 21, SI CP-1450', flowed through 2" tubing 6 hours, gas gauged 2,000 M.C.F., CP-360'.

TOTAL DEPTH 5980' PS 5962'

WELLBORE DEFLECTION DATA

DEPTH	ANGLE OF DEFLECTION
1000'	1/4 Degree
2760'	3/4 "
4222'	1 "
4710'	1/4 "
5461'	1 "

CEMENT OFF LEAK

Date Commenced: December 31, 1953

Date Completed: February 13, 1954

Total Depth: PB 5925'

Production before: 69 M.C.F. of gas and 20 barrels water per day

Production After: 350 M.C.F. of gas and 8 gallons water per hour

On December 31, 1953, pulled 2" tubing and shut in to pressure up well. On January 2, 1954, pressured with gas to 1095', then plugged back with 30 gallons of resin cement from 5962' to 5945'. On January 3, plugged back from 5945' to 5941' with 15 gallons of resin cement. On January 6, flowed through 5 1/2" casing 8 hours, gas gauged 1,400 M.C.F., no water. On January 8, tested 24 hours, gas gauged 1,400 M.C.F. with 45 gallons of water per hour. On January 9, flowed through 5 1/2" casing 10 hours, gas gauged 1,400 M.C.F. with 1 barrel of water per hour. On January 12, plugged back with 5 gallons of resin cement from 5941' to 5937'. On January 13, plugged back from 5937' to 5935' with 9 gallons of resin cement. On January 15, flowed through 5 1/2" casing 8 hours, gas gauged 1,400 M.C.F. with 2 barrels of water per hour.

On January 17, moved in cable tools of Flournoy Drilling Company and cleaned out resin cement from 5935' to 5959'. Plugged back with 1 1/2 gallons of chat from 5959' to 5957 1/2', then plugged back with 250# of lead wool from 5957 1/2' to 5954'. Bailed and tested 16 hours, gas gauged 880 M.C.F. and 90 gallons of water per hour.

On January 22, pressured well with gas and well would not pressure above 850'. Dumped 20 gallons of Halliburton resin cement and pressured well to 875' and plugged back from 5954' to 5939'. On January 23, plugged back with 40 gallons of Halliburton resin cement from 5939' to 5931'. On January 24, plugged back with 10 gallons of Halliburton plastic from 5931' to 5928'. On January 25, bailed and tested 24 hours, gas gauged 623 M.C.F. with 77 gallons of water per hour. On January 26, bailed and tested 24 hours and cleaned out plastic to 5935 1/2', gas gauged 623 M.C.F. with 77 gallons of water per hour. On January 27, loaded hole with 200 barrels of water and plugged back with 16 sacks of Cal-Seal from 5935 1/2' to 5894', then plugged back with 20 gallons of chat from 5894' to 5875', then plugged back with 17 sacks of Cal-Seal from 5875' to 5795', then pressured 5 1/2" casing with water to 1000' and pressure held.

Perforated 5 1/2" casing from 5786' to 5790' with 12 holes by Lane-Wells and tried to pump into formation at 1000' and pressure dropped to 800' in 35 minutes. On January 30, ran 2" tubing with Baker cast iron retainer and spotted 250 gallons of Halliburton acid at 5790'. Tried to set retainer at 5788' and retainer would not set. Picked up retainer and set at 5738'. Pumped 2000 gallons of acid into formation and pressure broke to 1000'. Squeeze cemented 5 1/2" casing through perforations from 5786' to 5790' with 160 sacks of common cement pressured to 2500'. Pulled tubing and shut down for cement to set.

On February 2, drilled out retainer at 5738' and drilled cement plug to 5841'. Perforated 5 1/2" casing from 5815' to 5838' with 45 holes by Lane-Wells, and gas gauged 108 M.C.F. Bailed and cleaned up hole and gas gauged 196 M.C.F. with 80 gallons of water per hour. On February 5, treated with 1000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 6 - Between 5815' and 5838'

Treatment put in 2/5/54 by Halliburton, using 1000 gallons of acid and 110 barrels of water to flush.

TIME	CP	TP	REMARKS
4:21 pm	450'		Start acid
4:27 pm	150'		1000 gallons of acid in, start flush
4:50 pm	0'		Acid on bottom
4:52 pm	Vac.		Flushed with 110 barrels of water

Swabbed out water and acid water used in treating, then tested 24 hours and gas gauged 200 M.C.F. with 140 gallons of water per hour. On February 7, bailed and tested 8 hours, gas gauged 200 M.C.F. with 70 gallons of fresh water per hour. Drilled Cal-Seal plug to 5925' and gas gauged 325 M.C.F. Swabbed through 5 1/2" casing 22 hours and gas gauged 400 M.C.F. with 80 gallons of fresh water per hour.

PLUGGED BACK TOTAL DEPTH 5925'

On February 9, bailed and tested 24 hours, gas gauged 439 M.C.F. with 80 gallons of fresh water per hour. On February 10, bailed and tested 24 hours, gas gauged 460 M.C.F. with 45 gallons of fresh water per hour. On February 11, tested 6 hours, gas gauged 460 M.C.F. with 45 gallons of water per hour. Treated through 5 1/2" casing from 5815' to 5838', 5858' to 5868', and from 5909' to 5925' with 2000 gallons of Halliburton 15% acid and 3000 gallons of Halliburton 7 1/2% acid as follows:

ACID TREATMENT NO. 7 - Between 5815'-38', 5858'-60', 5909'-25'

Treatment put in 2/11/54 by Halliburton, using 5000 gallons of acid and 115 barrels of water to flush.

TIME	CP	REMARKS
2:40 pm	3500	Start acid
2:45 pm	0	2000 gallons of 15% acid, start 7% acid
2:50 pm	0	3000 gallons of 7% acid in; start flush
2:53 pm	0	Acid on bottom
3:02 pm	0	Flushed with 115 barrels of water

Swabbed through 5 1/2" casing-16 hours, gas gauged 215 M.C.F. with 2 1/2 barrels of water used in treating per hour. On February 12, tested 24 hours, gas gauged 350 M.C.F. with 3 gallons of water per hour. On February 13, ran 2" tubing and moved out cable tools. On February 16, turned into Kansas Power & Light Company's line.

ACID TREATMENT NO. 11 - Between 5815' and 5837'

Treatment put in 8/18/54 by Halliburton, using 1000 gallons of acid and 138 barrels of water to flush.

TIME	CP	TP	REMARKS
12:25 pm			Start acid
12:30 pm			1000 gallons of 15% acid in, start flush
12:55 pm			Acid on bottom
12:59 pm			Flushed with 138 barrels of water

Swabbed out water used in treating, then tested 4 hours, no gas with trace of water. Drilled and drove Lane-Wells bridging plug from 5850' to 5935'. Swabbed through 5 1/2" casing 12 hours, gas gauged 10 M.C.F. with 80 gallons of water per hour.

On August 19, ran 2" tubing with Halliburton retrievable retainer and set retainer at 5906'. Tested perforations from 5895' to 5901'. Pumped 40 barrels of water down 2" tubing and found communication around retainer. Reset retainer at 5870' and pumped 30 barrels of water down tubing and found communication around retainer. Reset retainer at 5906' and swabbed out water used in testing perforations. On August 20, treated through 5 1/2" casing with 500 gallons of Dowell Gel. A-830 acid and 1000 gallons of 15% acid as follows:

ACID TREATMENT NO. 12 - Between 5815' and 5837'

Treatment put in 8/20/54 by Howell Inc., using 1500 gallons of acid and 110 barrels of water to flush.

TIME	CP	TP	REMARKS
12:44 pm			Start Gel. A-830 in annulus
1:00 pm			500 gallons acid in, start 15% acid
1:05 pm			1000 gallons of A acid in
1:29 pm			Start flush
1:29 pm			22 barrels water in tubing
1:58 pm	150		630 gallons of acid in formation
2:01 pm	350	270	
2:03 pm	375	320	105 barrels water in casing to flush
2:05 pm	300	200	flushed with 110 barrels water in casing

Swabbed out water used in treating, then swabbed through 2" tubing 24 hours, very light show of gas and 2 barrels of water per hour. Set Halliburton DM retainer at 5907' on 2" tubing and squeeze cemented off perforations from 5815' to 5837', 5895' to 5901', and 5912' to 5930' with 250 sacks of common cement, maximum TP-2500'. Pulled 2" tubing and bailed the hole dry and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to 5947'. On August 25, perforated 5 1/2" casing from 5915' to 5945' with 30 Lane-Wells Kone shots and from 5914' to 5945' with 93 Lane-Wells A-2 shots, no shows. Ran 2" tubing and set Halliburton HM packer at 5906', then treated through 2" tubing with 500 gallons of Halliburton HCA acid as follows:

ACID TREATMENT NO. 13 - Between 5914' and 5945'

Treatment put in 8/25/54 by Halliburton, using 500 gallons of acid and 21 barrels of water to flush.

TIME	CP	TP	REMARKS
4:00 pm	0	0	Start acid
4:05 pm	0	0	500 gallons of acid in
4:05 pm	0	0	Start flush
4:15 pm	0	0	Flushed with 21 barrels of water

Swabbed through 2" tubing 11 hours, trace of gas with 2 barrels of water per hour. On August 26, swabbed through 2" tubing 24 hours, 5 M.C.F. gas and 62 gallons of water per hour. On August 27, swabbed through 2" tubing 9 hours, 40 gallons of water per hour with very light show of gas. Reacidized through 2" tubing with 2000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 14 - Between 5914' and 5945'

Treatment put in 8/27/54 by Halliburton, using 2000 gallons of acid and 20 barrels of water to flush.

TIME	CP	TP	REMARKS
3:57 pm			Start acid
4:02 pm			Acid on bottom
4:05 pm		700	1500 gallons of acid in
4:08 pm		800	2000 gallons of acid in, start flush
4:15 pm		900	Flushed with 20 barrels of water

Swabbed and tested through 2" tubing 3 hours, gas estimated 50 M.C.F. with 150 gallons of water per hour. Pulled 2" tubing and moved out cable tools. Since all zones of probable oil or gas production have been tested in this well, regular authority was granted to plug and abandon the well.

On October 25, 1954, moved in machine of Ace Pipe Pulling Company and plugged the well as follows:

- 50 gallons of rock 5947' to 5897'
- 25 sacks of cement 5897' to 5722'

SCUMBLE CEMENT OFF WATER

Date Commenced: August 3, 1954
 Date Completed: October 28, 1954

Plugged back from 5925' to 0' : Plugged and abandoned 10/28/54

Production before: 100% water

Pulled:

251 jts. (793'5") of 5 1/2" OD, 15.5#, 8R thd., A-2, J-55, S.S. casing
 64 jts. (1980'11") of 5 1/2" OD, 14#, 8R thd., R-2, J-55, RW casing

Moved in and rigged up cable tools of Flournoy Drilling Company on August 3, 1954. On August 4, pulled 2" tubing and cleaned out to 5959'. On August 6, ran 2" tubing with Halliburton DM retainer and set retainer at 5781'. Squeeze cemented through perforations from 5815' to 5838', 5858' to 5868', and 5909' to 5925' with 250 sacks of common cement, maximum TP-2100#. Pulled 2" tubing and shut down for cement to set. On August 9, bailed the hole dry and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to 5935'.

On August 11, perforated 5 1/2" casing from 5912' to 5930' with 36 Lane-Wells Kone shots and from 5912' to 5930' with 48 Lane-Wells A-2 shots, then tested 3 gallons of water per hour, no gas. Dumped 50 gallons of mud acid on bottom; after 5 hours had slight show of gas. Bailed out mud acid, then treated through 5 1/2" casing from 5912' to 5930' with 500 gallons of Halliburton mud acid as follows:

ACID TREATMENT NO. 8 - Between 5912' and 5930'

Treatment put in 8/12/54 by Halliburton, using 500 gallons of acid and 144 barrels water to flush.

TIME	CP	TP	REMARKS
1:14 am	100		Start acid
1:17 am	100		500 gallons of acid in, start flush
2:05 am	Vac.		Acid on bottom
2:11 am	Vac.		Flushed with 144 barrels of water

Swabbed out water used in treating, then swabbed and bailed 24 hours, 60 gallons of water per hour with light show of gas. On August 13, bailed and tested 6 hours, gas gauged 10 M.C.F. with 25 gallons of water per hour. Reacidized through 5 1/2" OD casing with 3000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 9 - Between 5912' and 5930'

Treatment put in 8/13/54 by Halliburton, using 3000 gallons of acid and 141 barrels water to flush.

TIME	CP	TP	REMARKS
1:47 am			Start acid
1:58 am	100		3000 gallons of acid in, start flush
?	100		Acid on bottom
?	500		141 barrels water in to flush

Swabbed through 5 1/2" casing 8 hours, 1 barrel of water per hour and gas gauged 19 M.C.F. Set Lane-Wells bridging plug at 5908'. Perforated 5 1/2" casing from 5895' to 5901' with 17 Lane-Wells Kone shots and 18 Lane-Wells A-2 shots. Dumped in 30 gallons of Halliburton mud acid. Let acid set 3 hours, then bailed and cleaned up hole 3 hours and tested 3 barrels of water per hour with light show of gas. Treated through 5 1/2" casing with 50 gallons of Halliburton mud acid and 1000 gallons of 15% acid as follows:

ACID TREATMENT NO. 10 - Between 5895' and 5901'

Treatment put in 8/15/54 by Halliburton, using 1000 gallons of acid and 140 barrels of water to flush.

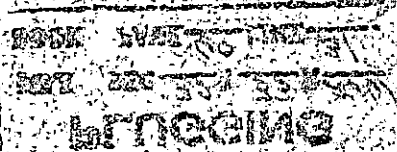
TIME	CP	TP	REMARKS
5:10 pm			Start acid
5:17 pm	0		1000 gallons of acid in, start flush
5:40 pm	0		Acid on bottom
5:44 pm	0		1000 gallons of acid in formation
			Flushed with 140 barrels of water

Swabbed out water used in treating and well tested 3 barrels of acid water with very light show of gas per hour. On August 16, drilled out Lane-Wells bridging plug at 5908' and well tested 10 M.C.F. gas with 20 gallons of water per hour. On August 17, set Lane-Wells bridging plug at 5850'; bailed hole dry, then plugged back with 5 gallons of Cal-Coal from 5850' to 5845'. Perforated 5 1/2" casing from 5815' to 5837' with 44 Lane-Wells Kone shots and from 5818' to 5834' with 52 Lane-Wells A-2 shots, no show of gas. Treated through 5 1/2" casing with 1 barrel of Halliburton mud acid and 1000 gallons of Halliburton 15% acid as follows:

Ran McCullough magnetector and found pipe stuck at 2675'. Perforated 5 1/2" casing at 2722' with 2 holes and tried to circulate with heavy mud to loosen 5 1/2" casing; formation broke and failed to circulate. Magnetector indicated casing stuck at 2775'. Shot off 5 1/2" casing at 2762' and pulled 25 joints (793'5") of 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, S.S. casing (90%); and 64 jts. (1980'11") of 5 1/2" OD, 14#, 8R thd., R-2, J-55, R.R.S. casing (90%).

Mud	5722'	to	500'
Crushed rock	500'	to	490'
30 sacks of cement	490'	to	450'
Mud	450'	to	30'
Crushed rock	30'	to	25'
10 sacks of cement	25'	to	6'
Surface soil	6'	to	0'

Plugged and abandoned October 28, 1954.



PLUGGING

FILE SEC 32-33 26W
BOOK PAGE 40 LINE 31