

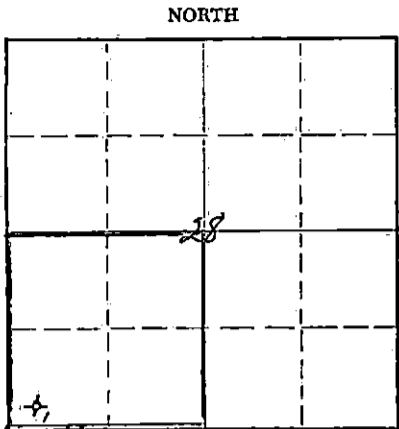
15-119-10192-0000

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

Meade County. Sec 28 Twp. 33S Rge. (E)29 (W)
Location as "NE/CNW/SW" or footage from lines SW/4 SW/4 SW/4
Lease Owner Skelly Oil Company
Lease Name F. L. Feldman Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed April 14, 1957
Application for plugging filed April 15, 1957
Application for plugging approved April 16, 1957
Plugging commenced April 19, 1957
Plugging completed April 25, 1957
Reason for abandonment of well or producing formation Dry Hole



Locate well correctly on above Section Flat

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

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 6010 Feet
Show depth and thickness of all water, oil and gas formations. PB 4543'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
<u>Morrow</u>	<u>Dry</u>	<u>5774'</u>		<u>8-5/8"</u>	<u>1033'3"</u>	<u>None</u>
				<u>5-1/2"</u>	<u>6056'9"</u>	<u>3911'8"</u>

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.

<u>25 gallons rock</u>	<u>4543' to 4520'</u>
<u>10 sacks of cement</u>	<u>4520' to 4450'</u>
<u>Mud</u>	<u>4450' to 350'</u>
<u>Rock bridge</u>	<u>350' to 340'</u>
<u>20 sacks of cement</u>	<u>340' to 290'</u>
<u>Mud</u>	<u>290' to 35'</u>
<u>Rock bridge</u>	<u>35' to 25'</u>
<u>10 sacks of cement</u>	<u>25' to 4'</u>
<u>Surface soil</u>	<u>4' to 0'</u>

RECEIVED
STATE CORPORATION COMMISSION
5-8-1957
MAY 8 - 1957

CONSERVATION DIVISION
Wichita, Kansas

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

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

STATE OF Kansas, COUNTY OF Reno, ss.
H. E. Wamsley (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) _____
Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 6th day of May, 19 57

My commission expires April 7, 1959

Josephine L. Johnson
Notary Public.

PLUGGING
FILE SEC 28 T. 33 R. 29W
BOOK PAGE 6 LINE 12

NORTH									
SOUTH									

SKELLY OIL COMPANY

Well Record

Lease Name and No. 1/4 Sec. 28-33-25.1 Well No. 2503 RD
2501 DF
2590 LH

Lease Description 1/4 Sec. 28-33-25.1
Madison County, Kansas (160 Acres)

Location made January 3, 19 57 by W. C. Wilson
330 feet from North line 330 feet from East line 50/4
330 feet from South line 330 feet from West line of Sec. 28

Work com'd 1/6 19 57 Rig com'd 1/8 19 57 Drlg. com'd 1/8 19 57 Drlg. com'd 2/12 19 57

Rig Contractor Danforth Drilling Company

Drilling Contractor Danforth Drilling Company, Tulsa, Oklahoma

Rotary Drilling from 0' to 6010' Cable Tool Drilling from To complete to

Commenced Producing DRY HOLE 19 Initial Prod. before shot or acid Bbls.
 Initial Prod. after shot or acid Bbls.

Dry Gas Well Press. Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (Size) Gas Pressure Volume Cu. ft.

Braden Head (Size) Gas Pressure Volume Cu. ft.

PRODUCING FORMATION DRY HOLE Top Bottom TOTAL DEPTH 6010'

CASING RECORD

Casing Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	Cementing Method Employed
				Jts.	Feet	In.	Jts.	Feet	In.				
8-5/8	24	88	1038'				33	1033	3	J55 B2	A	550	Halliburton
5-1/2	15	88		84	1978	11				J55 B2	B		
5-1/2	14	88		50	1587	5				R2	C		
5-1/2	14	88		11	345	4	33	1093	6	J55 B2	B		
5-1/2	15	88	6009'				33	1051	7	J55 B2	A	250	Halliburton
(8-5/8" casing set 2' in collar and 1/2" spaced to collar floor)													

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>2/27/57</u>	<u>2/25/57</u>	<u>2/25/57</u>	
Acid Used Size Shot	<u>500 Gals. Qts.</u>	<u>300 Gals. Qts.</u>		
Shot Between	<u>5942 Ft. and 5949 Ft.</u>	<u>5942 Ft. and 5949 Ft.</u>	<u>5942 Ft. and 5949 Ft.</u>	
Size of Shell				<u>For remaining</u>
Put in by (Co.)	<u>Halliburton</u>	<u>Halliburton</u>	<u>Halliburton</u>	<u>treasants no</u>
Length anchor				<u>remarks</u>
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<u>Hoobnor shale</u>	<u>4423'</u>						
<u>Lansing Lino</u>	<u>4579'</u>						
<u>Harcourt Lino</u>	<u>5256'</u>						
<u>Cherokee Lino</u>	<u>5476'</u>						
<u>Narrow shale</u>	<u>5774'</u>						

CLEANING OUT RECORDS

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

PLUGGING BACK AND DEEPENING RECORDS

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

(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, clay and sand				
Sand, clay and shells	136	136		
Shale, clay and red bed	331	1038		Set and cemented 3-5/8" 1038, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240, 244, 248, 252, 256, 260, 264, 268, 272, 276, 280, 284, 288, 292, 296, 300, 304, 308, 312, 316, 320, 324, 328, 332, 336, 340, 344, 348, 352, 356, 360, 364, 368, 372, 376, 380, 384, 388, 392, 396, 400, 404, 408, 412, 416, 420, 424, 428, 432, 436, 440, 444, 448, 452, 456, 460, 464, 468, 472, 476, 480, 484, 488, 492, 496, 500, 504, 508, 512, 516, 520, 524, 528, 532, 536, 540, 544, 548, 552, 556, 560, 564, 568, 572, 576, 580, 584, 588, 592, 596, 600, 604, 608, 612, 616, 620, 624, 628, 632, 636, 640, 644, 648, 652, 656, 660, 664, 668, 672, 676, 680, 684, 688, 692, 696, 700, 704, 708, 712, 716, 720, 724, 728, 732, 736, 740, 744, 748, 752, 756, 760, 764, 768, 772, 776, 780, 784, 788, 792, 796, 800, 804, 808, 812, 816, 820, 824, 828, 832, 836, 840, 844, 848, 852, 856, 860, 864, 868, 872, 876, 880, 884, 888, 892, 896, 900, 904, 908, 912, 916, 920, 924, 928, 932, 936, 940, 944, 948, 952, 956, 960, 964, 968, 972, 976, 980, 984, 988, 992, 996, 1000
Sand, shale and red bed	1038	1400		
Shale	1400	1972		
Anhydrite and lime	1972	2212		
Shale	2212	2316		
Lime and shale	2316	2555		
Chalky lime and shale	2555	2960		
Lime and shale	2960	4892		
Lime	4892	4920		
Lime and shale	4920	5388		
Lime	5388	5418		
Lime and shale	5418	5463		
Lime, shale and chert	5463	5522		
Lime and shale	5522	5808		

Cored from 5808' to 5827' - Recovered 17'

Top 2' 6" - Shaly lime to limy shale, gray to black, very fossiliferous sandy, show of gas, last 2'

Next 2' 6" - Sand, gray to green, fine well sorted, laminated with black shale (85% to 90% sand), sand bleeding oil, odor, fair porosity, permeability probably discontinuous because of shale; last 1' very calcareous with fossil fragments, slight visible oil stain.

Next 1' 6" - Shale, black, very calcareous with much fossil detritus, gray, mottled with residual hydrocarbons, fine medium grained, well sorted, slightly siliceous, odor on break, possible bleeding oil, poor to fair porosity, mostly poor permeability.

Next 2' - Sand as above, becoming calcareous and tight with some black shale laminations.

Next 1' - Sand as above with black shale laminations

Next 1' - Shale, black, very calcareous with much fossil detritus

Last 2' - No recovery except 1' of black shale, silice, rotten, slightly sandy.

test No. 1, packer set at 5769', used 50' anchor, open 1 hour, light blow for 1 hour, recovered 5' of drilling mud, 17P-45, 17P-45, 17P-70/ in 20 minutes.

Sand and shale	5827	5836		
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Cored from 5836' to 5855' - Recovered 18'

Top 13' - Shale, black, rotten

Next 5' - Sand, fine, gray-green, poor porosity plugged with clay, no permeability, single vertical fracture, open, sand slightly bleeding oil, trace of gas.

Cored from 5855' to 5858' - Recovered 3'

Top 2' 6" - quartzitic sand, light gray, extremely hard, discontinuous vuggy porosity

Last 6" - Laminated dark gray quartzitic sand and black shale

Cored from 5858' to 5901' - Recovered 43'

Top 2' - Sand, light gray, fine quartzitic

Next 2' - Shale, black with sand lenses

Next 11' 6" - Sand, very shaly, fine, slight bleeding, gas and trace rainbow show of oil, poor porosity, no permeability

Next 6" - Shale, black fossiliferous

Next 8' - Lime, brown to near black, fine crystalline, calcitic, very fossiliferous thin shale partings, closed vertical fracture, slight sulphur odor on break

Next 3' - Shale, black, very fossiliferous, with thin limestones interbedded

Next 3' - Shale, black

Next 5' - Limestone, interbedded with shale, black

Next 2' - Limestone, brown-gray, fine grained, well sorted, very calcareous, no candy lime, slight trace oil stain, no odor on break, single vertical fracture

Next 2' - Limestone, gray-brown, fine crystalline, very fossiliferous, calcitic, slight sulphur odor

Last 2' - Limestone, as above, less fossiliferous, has intergranular porosity, apparent slight stain and slight bleeding, slight sulphur odor.

Chale and lime 5901 5960

Line 5960 6010

TOTAL REPAIR 6010'

San Halliburton drill stem test No. 2, packer set at 5823', used 70' anchor, open 1 hour, weak blow for 25 minutes, recovered 10' drilling mud, IFF-65, VFP-55, BHP-110 in 30 minutes. TOP SHOT 5910'

San Halliburton drill stem test No. 3, set packer 5898', used 62' anchor, packer would not hold. Pulled and reran tester and set packer at 5895', used 75' anchor, gas to surface in 11 mins., open 1 hour 15 mins., gas gauged 62' CF, recovered 210' gas cut drilling mud, IFF-75, VFP-100, BHP-1265 in 30 minutes.

San Halliburton drill stem test No. 4, packer set at 5960', used 50' anchor, open 1 hour, light blow for 24 mins., recovered 20' drilling mud, IFF-25, VFP-50, BHP-50 in 20 minutes.

San Schlumberger Survey.

Set and cemented 1976' 1 1/2" of 5 1/2" OD, 19.57, GR thd., R-2, J-55, 8.5" casing (A cond.); 1587' 5" of 5 1/2" OD, 14.92 thd., R-2, J-55 casing (B cond.); 1436' 10" of 5 1/2" OD, 14.92 thd., R-2, J-55 casing (A cond.); and 1051' 7" of 5 1/2" OD, 15.57, 60 thd., R-2, J-55, 8.5" casing (A cond.) at 6009' with 250 sacks of common cement and 600 gallons of Dowell Grout. Finished cementing at 1:00 p.m. 2/14/57. Halliburton Temperature Survey showed top of cement behind 5 1/2" casing at 5000'.

Lugged up cable tools, swabbed the hole dry to 5976' and 5 1/2" casing tested dry on February 16. On February 17, plugged back with 15 gallons of rock from 5976' to 5984'.

Perforated 5 1/2" casing from 5942' to 5949' with 42 holes by McCullough, no show of gas or water. Run 25 gallons of Halliburton mud acid and let set 2 hours, bailed out acid, then treated through 5 1/2" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 5942' and 5949'

Treatment put in 2/17/57 by Halliburton, using 500 gallons of acid and 136 barrels of water.

TIME	GP	TP	REMARKS
4:10 pm			Start acid
4:30 pm	700		Acid on bottom
10:13 pm	1250		
10:18 pm	1250		Treatment completed

Swabbed out water used in treating, then swabbed through 5 1/2" casing 2 hours, no gas and 100 gallons of acid water per hour.

Run 2" tubing and set Halliburton jet retainer at 5930'. Cemented off perforations from 5942' to 5949' with 200 sacks of common cement, TP-3300. Pulled 2" tubing and shut down for cement to set.

On February 20, swabbed the hole dry and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to 5953'. Re-perforated 5 1/2" casing from 5942' to 5949' with 21 Alex Mone shots, no shows. Dumped 30 gallons of Halliburton mud acid on bottom followed with 1000 gallons of water. Perforated 5 1/2" casing at 5945 1/2' with 1 shot by Velex RT gun. Swabbed hole down, no show of gas. Tried to acidize through 5 1/2" casing from 5942' to 5949' with 500 gallons of Halliburton 15% acid, pressured to 1000' and formation would not take acid in 10 1/2 hours. Swabbed the hole dry, no show of gas. Dumped 40 gallons of Halliburton mud acid on bottom, let set 2 hours, bailed out spent acid, then treated through 5 1/2" casing with 300 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 5942' and 5949'

Treatment put in 2/25/57 by Halliburton, using 300 gallons of acid and 142 barrels of water.

TIME	GP	TP	REMARKS
11:52 pm			Start acid
11:55 pm			Start flush
12:26 am	500		Acid on bottom
2:00 am	700		
2:45 am	1100		
3:21 am	1000		
4:05 am	1000		Treatment completed

Swabbed hole dry, tested dry, no gas or water. Ran Halliburton acid-floc through 5 1/2" casing from 5942' to 5949' as follows:

ACID-TREATMENT NO. 1 - Between 5942' and 5949'

Used 6000 gallons of Gel acid
6000 of sand
Maximum CP-1350
Time 10 minutes
Used 6000 gallons of water to fill hole and flush
Time 20 minutes

Swabbed through 5 1/2" casing 6 hours, swabbing drilling mud. Washed mud down to bottom with water. Cemented off leak in 5 1/2" casing at 4684' with 100 sacks of common cement. Drilled cement plug to 4690', then loaded hole with water, leak in 5 1/2" casing took fluid at 1000 - CP. Drilled and cleaned out cement to 4695'. Ran 2" tubing and set Halliburton 3M retainer at 4660' and re-cemented off leak in 5 1/2" casing at 4684' with 300 sacks of common cement, TP-3500. Pulled 2" tubing and shut down for cement to set.

On March 2, swabbed the hole dry, drilled cement plug and cleaned out to 4690' and water broke in. Ran 2" tubing and set Halliburton 3M retainer at 4665' and re-cemented leak in 5 1/2" casing with 250 sacks of common cement, TP-5000. Pulled 2" tubing and shut down for cement to set.

On March 3, swabbed the hole dry, drilled retainer and cement plug and cleaned out to 4690'. Found 5 1/2" casing parted at 4690'. Ran 4-5/8" casing swedge to straighten casing. Wedged 5 1/2" casing to 4-3/4" to 4697'. Bailer would not go down to bottom. Ran rasp casing swedge to cut off end of parted casing. Bailer would only go to 4689'. Cleaned out and drilled on iron to 4698'. Cleaned out to 4713' and plugged back with 4 gallons of sand from 4713' to 4710'. Plugged back with 60 gallons of Coalment from 4710' to 4663', pressured to 500. Let set 3 hours. Drilled Coalment to 4702', water broke in, drilled Coalment and cleaned out to 4747'. Ran 2" tubing and set Halliburton 3M cement retainer at 4665'. Cemented with 200 sacks of common cement, pressured to 5000. Pulled 2" tubing and shut down for cement to set.

Swabbed hole dry, drilled cement to 4715', sell made 3 1/2 barrels of water per hour. Ran 2" tubing and set Halliburton 3M cement retainer at 4665'. Seucese cemented with 125 sacks of common cement, pressured to 5000. Pulled 2" tubing and shut down for cement to set.

Moved in small rotary table, ran 2" tubing, drilled retainer and cement from 4665' to 4692' and 4-3/4" bit quit drilling. Found two cones off of bit. Ran impression block and fished out one cone. Ran 2" tubing with new 4 1/2" bit, unable to drill. Pulled 2" tubing.

Drilled cement with cable tools to 4753', bailed hole down, 200' salt water in hole. Drilled cement and cleaned out to 4805'. Shut down on March 23, due to snow storm.

On March 26, ran center spear and drove through Halliburton plug at 4809'. Drove plug to 4860', bailer stopped at 4805'. Ran 4-3/8" casing swedge and 4 1/2" bailer would only go to 4760'. Ran 3 1/2" bailer and bailer went to bottom. Gailed and cleaned out to 5993'.

Ran Schlumberger Gamma Ray Neutron Survey. Ran 2" tubing and set Halliburton 3M packer at 5914'. Swabbed through 2" tubing 5 hours, no gas or water.

Pulled 2" tubing and packer. On March 31, set Baker bridging plug at 5923' and perforated 5 1/2" casing from 5914' to 5918' with 24 holes, and from 5900' to 5904' with 24 holes by Alex. Ran 2" tubing and set Halliburton 3M packer at 5833' with 35' anchor on packer. Swabbed through 2" tubing and hole tested dry. Treated through 2" tubing with 500 gallons of Halliburton mud acid as follows:

ACID-TREATMENT NO. 2 - Between 5900'-04' and 5914'-18'

Treatment put in 4/1/57 by Halliburton, using 500 gallons of acid and 3 1/2 barrels water to flush.

TIME	CP	TP	REMARKS
3:50 pm			Start acid
4:00 pm			500 gallons acid in
4:28 pm		250	Acid on bottom
5:00 pm		1000	20 gallons acid in
5:23 pm		1300	75 gallons acid in
5:33 pm		1000	220 gallons acid in
5:55 pm		1250	320 gallons acid in
6:00 pm		1100	500 gallons acid in

Swabbed through 2" tubing 8 hours, no gas and 3 gallons of acid water per hour. Recidized through 2" tubing with 2000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 4 - Between 5900'-04" and 5914'-18"

Treatment put in 4/2/57 by Halliburton, using 2000 gallons of acid and 21 barrels of water.

TIME	OP.	TP.	REMARKS
7:15 am			Start acid
7:20 am		1000	Acid on bottom
7:31 am		1050	2000 gallons of acid in, start flush
7:44 am		1175	21 barrels water in to flush, treatment completed

Swabbed through 2" tubing 24 hours, 1/4 barrel heavy oil per hour, gas gauged 13 H.C.F. Ran Halliburton Acid-frac as follows:

ACID-FRAC TREATMENT NO. 2 - Between 5900'-04" and 5914'-18"

Used 8000 gallons of Gel
8000 sand
Time 29 minutes
Maximum TP-3300

Swabbed through 2" tubing 20 hours, gas gauged 215 H.C.F. with 45 gallons of acid water per hour, and 10 gallons of heavy oil per hour. On April 5, swabbed through 2" tubing 5 hours, gas gauged 219 H.C.F. and 20 gallons of heavy oil and 1 barrel of water per hour.

Pulled 2" tubing and set 5 1/2" Baker bridging plug at 5876'. Perforated 5 1/2" casing from 5854' to 5860' with 36 holes by McCullough. Ran 2" tubing and set Halliburton III packer at 5836'. Tried to swab tubing dry, found communication with perforations from 5900' to 5904' and 5914'-5918'; tested 210 H.C.F. gas and 20 gallons of heavy oil per hour. Pulled 2" tubing and packer and plugged back with 60 gallons of Dowell-Codiment to 5840'. Let set 12 hours.

Drilled Cement and cleaned out to 5864'. Re-perforated 5 1/2" casing from 5854' to 5860' with 24 Polax-Rona shots. Ran 2" tubing and set Halliburton III packer at 5820'. Swabbed hole dry and tested 5 hours, 1 gallon of water per hour. Ran Halliburton Vis-O-Frac through 2" tubing as follows:

VIS-O-FRAC TREATMENT NO. 1 - Between 5854' and 5860'

Used 8000 gallons of diesel gel
8000 sand
950 gallons of water to flush
Time 30 minutes
Maximum TP-1,200

Swabbed hole dry, gas gauged 10 H.C.F., no water. Pulled 2" tubing and packer.

Set 5 1/2" Lane-wells bridging plug at 5842'. Perforated 5 1/2" casing 5818' to 5824' with 36 Lane-wells Type "B" bullets and from 5811' to 5814' with 16 holes. Ran 2" tubing and set Halliburton III packer at 5799'. Tested 16 hours through 2" tubing, 30 gallons of oil per hour and 30 gallons of water per hour, gas gauged 175 H.C.F. Tried to run Halliburton Vis-O-Frac as follows:

VIS-O-FRAC TREATMENT NO. 2 - Between 5815'-24" and 5811'-14"

Used 8000 gallons frac gel (blender broke down, pumped in only 5000 gallons of gel)
5000 sand
Time 25 minutes
Maximum TP-3300
950 gallons water to flush

Swabbed through 2" tubing 24 hours, gas gauged 215 H.C.F. with 1 1/2 barrels fluid per hour (70% water). On April 12, swabbed and tested through 2" tubing 2 hours, gas gauged 215 H.C.F. and 1 1/2 barrels of fluid per hour (70% water).

Pulled 2" tubing and Halliburton III packer, set 5 1/2" Baker bridging plug at 4599'. Plugged back with 5 gallons of Gel-Seal to 4593'. Swabbed hole dry, tested dry. Perforated 5 1/2" casing from 4577' to 4584' with 42 Polax-Jet shots. Treated through 5 1/2" casing with 500 gallons of Halliburton mud acid as follows:

ACID TREATMENT NO. 5 - Between 4577' and 4584'

Treatment put in 4/13/57 by Halliburton, using 500 gallons of acid and 109 barrels of water.

TIME	OP.	TP.	REMARKS
2:15 pm			Start acid
2:57 pm	600		acid on bottom
3:15 pm	500		50 gallons of acid in
3:22 pm	800		200 gallons of acid in
3:30 pm	800		500 gallons of acid in

Swabbed and tested through 5 1/2" casing 11 hours, 155 gallons of salt water per hour, no gas. Set 5 1/2" Baker bridging plug at 4574'.

BOOK WIFE'S FILE IN LIFE RECORDS 133 556 McCullough

CONVENTION DIVISION

WVA-2-114

112210

Perforated 5 1/2" casing from 4560' to 4567' with 42 McCullough bullets. Washed and tested through 5 1/2" casing 5 hours, 120 gallons of salt water per hour with trace of gas.

Set 5 1/2" Baker bridging plug at 4548' and plugged back from 4548' to 4543' with 5 gallons of Cal-seal. Perforated 5 1/2" casing from 4528' to 4536' with 36 Lelex jet holes; tested 60 gallons of salt water per hour, no gas. Washed and tested through 5 1/2" casing 5 hours, 80 gallons of salt water per hour, no gas.

As neither oil nor gas were found in commercial quantities in drilling to 6010', and all zones were tested, regular authority was granted to plug and abandon the well.

On April 19, moved in plugging machine of Ace Pipe Pulling Company and plugged the well as follows:

Rock 4543' to 4520'
 10 sacks of cement 4520' to 4450'

Shot off 5 1/2" casing at 3900' and pulled 1978' 11" of 5 1/2" OD, 15.5 lb. 8R thd., R-2, J-55, S.S. casing (B cond.); 1587' 5" of 5 1/2" OD, 14 lb. 8R thd., R-2, J-55, S.S. casing (C cond.); and 345' 4" of 5 1/2" OD, 14 lb. 8R thd., R-2, J-55, S.S. casing (D cond.)

Mud 4450' to 350'
 Rock bridge 350' to 340'
 20 sacks of cement 340' to 290'
 Mud 290' to 35'
 Rock bridge 35' to 4'
 Surface soil 4' to 0'

Plugged and abandoned April 25, 1957.

PLUGGING
 FILE SEC. 28 T. 33 R. 29W
 BOOK PAGE 6 LINE 17

DIP TEST DATA	
DEPTH	ANGLE OF DEFLECTION
250'	3/4 degree
500'	1 "
740'	1/2 "
1400'	3/4 "
1900'	1 "
2900'	1/2 "
3670'	1 "
4750'	3/4 "
5400'	3/4 "

RECEIVED
 STATE COMMISSION
 MAY 8 - 1957
 CONSERVATION DIVISION
 Wichita, Kansas