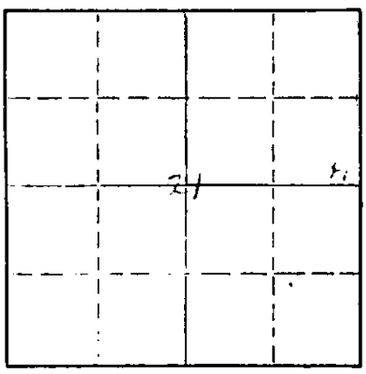
15-051-05319-0000

STATE OF KANSAS
STATE CORPORATION COMMISSION

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Ellis County. Sec. 21 Twp. 11S Rge. (E) 19 (W)

Location as "NE/CNW¼SW¼" or footage from lines SE/4 SE/4 NE/4

Lease Owner Skelly Oil Company

Lease Name E. H. Solomon Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

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

Date well completed April 16, 1952

Application for plugging filed May 6, 1959

Application for plugging approved May 7, 1959

Plugging commenced May 15, 1959

Plugging completed May 15, 1959

Reason for abandonment of well or producing formation Depleted oil well

If a producing well is abandoned, date of last production May 11, 1959

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. Eldon Petty

Producing formation Topeka Lime Depth to top 2958 Bottom 2968' Total Depth of Well 3507 Feet

Show depth and thickness of all water, oil and gas formations. PB 2984'

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Oil	3501'	3507'	8-5/8"	285'0"	None
Topeka Lime	Oil	2958'	2968'	5-1/2"	3528'0"	None

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.

40 sacks of Halco Gel 2984' to 560'
70 sacks Pozmix cement 560' to 6'
Surface soil 6' to 0'

Cemented down annulus 5½" and 8-5/8" casing with 30 sacks of Pozmix cement.

STATE CORPORATION COMMISSION
MAY 21 1959
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor None

Address

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) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 21st day of May, 1959

My commission expires April 7, 1963

Notary Public.

PLUGGING
FILE SEC 21 T 11 R 19W
BOOK PAGE 26 LINE 6

NM136 Rev. 1M

15-051-0539-0000

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.

LEASE _____ WELL NO. _____ DISTRICT _____

SEC. _____ T. _____ R. _____ COUNTY _____ JOB NO. _____

SURVEY _____ BLOCK _____ STATE _____

CLEANING OUT RECORD

Date commenced.....19 .....

Date completed.....19 .....

Cleaned out from..... to..... T. D.....

Prod. before..... bbls. oil..... bbls. water..... cu. ft gas

Prod. after..... bbls. oil..... bbls. water..... cu. ft gas

Kind of tools used:.....

Tools owned by:

PLUGGING BACK OR DEEPENING RECORD

Date commenced.....19 .....

Date completed.....19 .....

Plugged back or ~~deepened~~ from..... to..... T.D.....

Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas

Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas

Kind of tools used:.....

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 Jts.	PULLED OUT Feet	PULLED OUT In.	LEFT IN Jts.	LEFT IN Feet	LEFT IN In.	KIND	Cond'n	CEMENTING Sacks Used	CEMENTING Method Employed

.....Liner set at..... Length..... Perforated at .....

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

MAY 21 1959

[illegible] DIVISION

[illegible]

Superintendent.

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

[illegible] well was plugged and abandoned as follows:

[illegible] sacks of Halco Gel [illegible]' to [illegible]'

[illegible] Basic Gel mixed 510' to [illegible]'

Surface soil [illegible]' to 0'

Anchored down annulus 5½" and 8-5/8" casing with 30 sacks of Ideal cement.

[illegible]ed and abandoned [illegible]y 15, 1950.

RECORD OF FORMATIONS

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

Form 136 Rev. 1M

15-051-0539-0000

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.

H. Solomon — LEASE

1 — WELL NO.

[illegible] — DISTRICT

SEC. 21 T. 11 R 19

COUNTY [illegible]

JOB NO.

SURVEY _____ BLOCK _____

STATE [illegible]

CLEANING OUT RECORD

Date commenced December 10, 19 53

Date completed December 15, 19 53

Cleaned out from ____ to ____ T. D. 3507'

Prod. before 19 bbls. oil 27 bbls. water 0 cu. ft gas

Prod. after 24 bbls. oil 61 bbls. water 0 cu. ft gas

Kind of tools used: Unit #592

Tools owned by: Kelly [illegible] Company

PLUGGING BACK OR DEEPENING RECORD

Date commenced ____ 19 ____

Date completed ____ 19 ____

Plugged back or deepened from ____ to ____ T.D. ____

Prod. before ____ bbls. oil ____ bbls. water ____ cu. ft. gas

Prod. after ____ bbls. oil ____ bbls. water ____ cu. ft. gas

Kind of tools used: ____

Tools owned by: ____

SHOT RECORD

Date	12/10/53			
Size shot	Qts.	Qts.	Qts.	Qts.
Shot between	3501 Ft. and 3507 Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of shell				
Put in by (Co.)	[illegible]owell Inc.			
Length anchor				
Distance below casing				
Damage to casing or casing shoulder				

CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT Jts.	PULLED OUT Feet	PULLED OUT In.	LEFT IN Jts.	LEFT IN Feet	LEFT IN In.	KIND	Cond'n	CEMENTING Sacks Used	CEMENTING Method Employed

Liner set at ____ Length ____ Perforated at ____

Packer set at ____ Size and kind ____

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) On December 10, 1953, moved in and rigged up Unit No. 8522, pulled rods and spaced tubing. Filled hole with 84 barrels of oil and treated through 2" tubing with 750 gallons of Dowell XAF-32 -17" acid as follows:

All Treatment in No. 3 - Between 3501' and 3507'

Treatment put in 12/10/53 by Dowell Inc., using 750 gallons of acid and 98 barrels of oil to fill hole and flush.

Time	CP	TP	Remarks
1:01 pm	250	250	Filled hole with 4 barrels oil
1:15 pm	290	Vac.	Acid on bottom, start flush
1:45 pm	240	Vac.	
2:40 pm	Vac.	Vac.	Flushed with 14 barrels of oil

On December 11, ran rods and pump 16 hours, 84 barrels of oil used in treating; then pump 5 hours, 12 barrels of oil and 31 barrels of water. Pumped the next four days as follows:

Date	Hours Pumped	Bbls. Oil	Bbls. Water
12-12-53	21	29	58
12-13-53	20	23	76
12-14-53	24	22	56
12-15-53	24	24	61

RECORD OF FORMATIONS

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

Form 36 Rev. 1M

15-051-05319-0000

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.

LEASE: H. Dixon — WELL NO.: 1 — DISTRICT: Western Kansas

SEC. 21 T. 11S R. 19W — COUNTY: Ellis — JOB NO.: [illegible]

SURVEY _____ BLOCK _____ — STATE: Kansas

CLEANING OUT RECORD

HACKSAWING CASING

Date commenced: December 3, 19 56

Date completed: December 26, 19 56

Cleaned out from _____ to _____ T. D. 3507'

Prod. before: — bbls. oil, 100% bbls. water, — cu. ft gas

Prod. after: 9 bbls. oil, 133 bbls. water, — cu. ft gas

Kind of tools used: Cable

Tools owned by: Kentworth Drilling Co.

PLUGGING BACK OR DEEPENING RECORD

Date commenced: _____ 19 _____

Date completed: _____ 19 _____

Plugged back or deepened from _____ to _____ T.D. _____

Prod. before: _____ bbls. oil, _____ bbls. water, _____ cu. ft. gas

Prod. after: _____ bbls. oil, _____ bbls. water, _____ cu. ft. gas

Kind of tools used: _____

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 Jts.	PULLED OUT Feet	PULLED OUT In.	LEFT IN Jts.	LEFT IN Feet	LEFT IN In.	KIND	Cond'n	CEMENTING Sacks Used	CEMENTING Method Employed

_____ Liner set at _____ Length _____ Perforated at _____

Packer set at _____ Size and kind _____

_____

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) Water broke in through 5½" casing and on December 3, 1956, pulled rods and 2" tubing. Ran 2" tubing with Halliburton HM packer and found hole in 5½" casing at 765'. Tested 2 barrels per minute input at 600#-TP. Pulled 2" tubing and packer and set Halliburton bridging plug at 3470'. Ran 2" tubing and set Halliburton DM retainer at 735'. Cemented off leak in 5½" casing at 765' with 165 sacks of special oil well cement. Estimated 153 sacks below retainer at 7300#-TP. Reversed out 12 sacks of cement and pulled 2" tubing.

Moved in and rigged up cable tools of Wentworth Drilling Company on December 19, 1956. Swabbed the hole dry to 735' and 5½" casing tested dry. Drilled retainer at 735'. Drilled out of cement at 780'. Swabbed and bailed hole to 2000'. Tested 2 hours, no fill up. Drilled bridging plug at 3470' and cleaned out to bottom, 3507'. Bailed hole clean and on December 21, ran 2" tubing and rods.

POB 14 hours, 1 barrel of oil and 140 barrels of water. On December 22, POB 24 hours, 2 barrels of oil and 190 barrels of water. On December 23, POB 24 hours, 5 barrels of oil and 153 barrels of water. On December 24, POB 24 hours, 6 barrels of oil and 157 barrels of water. On December 25, POB 24 hours, 7 barrels of oil and 161 barrels of water. On December 26, POB 24 hours, 9 barrels of oil and 133 barrels of water.

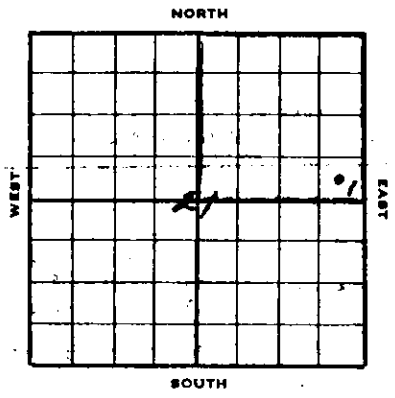
TOTAL DEPTH 3507'

RECORD OF FORMATIONS

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

Form N47A Rev.

15-057-05319-0000



SKELLY OIL COMPANY

Well Record

1977'RB
1974'DF
1969'GR

Lease Name and No. ... B. Solomon 1 Elev. ...

Lease Description NE/4 of Section 21-11S-19W,
Ellis County, Kansas

Location made March 1, 1952 by George Gear

330' feet from North line 330 feet from East line NE/4

330' feet from South line ... feet from West line of Sec. 21

Work com'd 3/7 1952 Rig comp'd 3/14 1952 Drlg. com'd 3/14 1952 Drlg. comp'd 4/9 1952

Rig Contractor Claude Kentworth Drilling Co., Inc.

Drilling Contractor Claude Kentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from 0' to 3504' Cable Tool Drilling from 3504' to 3507'

Commenced Producing April 16, 1952 — Initial Prod. before shot or acid XXXX 1½ BO no wtr. per hr. Bbls.

Initial Prod. after shot or acid XXX F0B 8 hrs. 65 BO w/ trace wtr. Stab. 24 hr. PCO potential of 195 bbls.

Dry Gas Well Press. ... Volume ... Cu. ft.

Casing Head Gas Pressure ... Volume ... Cu. ft.

Braden Head (8-5/8"x5½" C.) Gas Pressure ... Volume ... Cu. ft.

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

PRODUCING FORMATION Arbuckle Lime (Name) Top 3501' Bottom 3507' TOTAL DEPTH 3507'

CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT Jts.	PULLED OUT Feet	PULLED OUT In.	LEFT IN Jts.	LEFT IN Feet	LEFT IN In.	KIND	Cond'n	CEMENTING Sacks Used	CEMENTING Method Employed
8-5/8"	28#	8V	291'				14	285	0	R1 L.W.	C	150	Halliburton
5-1/2"	14#	8R					89	2858	0	J55 R2 L.W.	A		
5-1/2"	14#	8R	3501'				20	670	0	J55 R2 [illegible]	A	500	Halliburton

(8-5/8" casing set 6' in cellar and 5½" cased to derrick 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 ...

CONS. DIVISION

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	4/10/52	4/12/52		
Acid Used / Size Shot	200 Gals. Qts.	500 Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	3501 Ft. and 3507 Ft.	3501 Ft. and 3507 Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Dowell Inc.	Dowell Inc.		
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Topeka Lime	2964'						
Heebner Shale	3158'						
Lansing Lime	3197'						
Conglomerate	3447'						
Simpson Shale	3470'						
Arbuckle Lime	3500'				3500'	3504'	Good por. and stain
					3504'	3505'	Fair por. and stain
					3505'	3507'	Fair por. and saturation

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)

PLUGGING
FILE SEC 21 T 11 R 19W
BOOK PAGE 36 LINE 6

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil, shale and sand	0	145	
Shale and sand	145	296	Set and cemented 8-5/8" OD, 28#, 8V thd., R-1, L.A. steel casing (C cond.) at 291' with 150 sacks of cement and 5 sacks of aquagel. Cement circulated.
Shale and shells	296	400	
Shale and red bed	400	530	
Sand	530	590	
Shale and shells	590	1030	
Shale and red bed	1030	1245	
Anhydrite	1245	1275	
Shale and shells	1275	2200	
Shale and lime	2200	2964	TOP TORRA LIME 2964'
Soft oolitic, finely crystalline lime	2964	2974	Good porosity, light stain
Lime and shale	2974	3005	
Lime	3005	3070	
Shale and lime	3070	3140	
Lime	3140	3235	TOP WOODFORD SHALE 3158' TOP LAMING LIME 3197'
Light fine, medium crystalline, oolitic lime	3235	3239	Poor porosity, light stain
Lime	3239	3321	
Light sucrose oolitic lime	3321	3326	Poor porosity, spotted stain
Lime	3326	3367	
Grey, finely crystalline soft oolitic lime	3367	3370	Good porosity and stain
Lime and shale	3370	3500	TOP CONGLOMERATE 3447' TOP VIOLA LIME 3470' TOP ARBUCKLE LIME 3500'
Buff medium to coarse crystalline dolomite	3500	3504	Good porosity and stain Set and cemented 2858' of 5½" OD, 14#, 8R thd., R-2, J-55, R.E.Y. steel casing (A cond.); and 670' of 5½" OD, 14#, 8R thd., R-2, J-55, Nat'l. S.T. casing (A cond.) at 3501' with 500 sacks of sulphate resisting cement, and 15 sacks of aquagel. Finished cementing at 12:40 a.m. 3/28/52. Halliburton temperature survey showed top of cement behind 5½" casing at 2020'. Rigged up cable tools, swabbed and bailed the hole down on April 6, and 5½" casing tested dry. Drilled cement plug and cleaned out to bottom, cement job tested OK. Tested 1 hour, slight show of oil, no fill up.
Buff medium to coarsely crystalline dolomite	3504	3505	Fair porosity and stain, no increase in oil
Same	3505	3507	Fair porosity and saturation, 30# oil in 30 minutes.
TOTAL DEPTH		3507'	

Bailed and tested 10 hours, 1½ barrels of oil per hour, no water. Ran 2" tubing and treated with 200 gallons of Dowell "XAF-26 N-17" acid as follows:

ACID TREATMENT NO. 1 - 3501' and 3507'

Treatment put in 4/10/52 by Dowell Inc., using 200 gallons of acid and 65 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
4:15 pm			Filled hole with 80 barrels of oil
4:18 pm	100	850	Start acid
4:29 pm	100	0	200 gallons of acid in tubing
4:39 pm	100	0	Acid on bottom, start flush
5:09 pm	75	Vac.	20 gallons of acid in formation
5:47 pm	450	400	84 gallons of acid in formation
5:57 pm	450	400	120 gallons of acid in formation
6:16 pm	500	500	200 gallons of acid in formation

Swabbed through tubing 9 hours, 48 barrels of oil (used in treating) and no water. Ran rods and pump 15 hours, 66 barrels of oil and 2 barrels of water. Pulled rods and treated with 500 gallons of Dowell "XAF-26 N-17" acid as follows:

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ACID TREATMENT NO. 2 - Between 3501' and 3507'

Treatment put in 4/13/52 by Dowell Inc., using 500 gallons of acid and 68 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
4:55 pm	400#	400#	Filled hole with 72½ barrels of oil
5:15 pm	400#	400#	Start acid down tubing
5:45 pm	250#	0#	Acid on bottom, start flush
6:00 pm	200#	Vac.	42 gallons of acid in formation
6:10 pm	500#	300#	84 gallons of acid in formation
6:25 pm	475#	300#	140 gallons of acid in formation
6:40 pm	400#	225#	200 gallons of acid in formation
6:55 pm	450#	400#	330 gallons of acid in formation
7:28 pm	350#	350#	500 gallons of acid in formation Flushed with 12 barrels of oil

Swabbed through 2" tubing 2 hours, 18 barrels of oil and no water. Ran rods and POB 7 hours, 108 barrels of oil and 1 barrel of water; then POB 1 hour and 15 minutes, 24 barrels of oil and 1 water.

On April 15, POB 8 hours on State Corporation Commission physical potential test, 65 barrels of oil with trace of water. Established 24 hour I.P.C. potential of 195 barrels. This potential allows 25 barrels per day for the remainder of April, 1952.

SLOPE TEST DATA: Tests were taken at 250' intervals from 500' to 3000' inclusive, with no deviation from vertical noted.

15051-05319-0000

E. N. SOLOMON WELL NO. 1 (Ellis Co., Kans.) Sheet No. 5

PLUGGING BACK RECORD

Date Commenced: May 9, 1958
Date Completed: May 20, 1958

Total Depth: 3507' plugged back to 2984' PB TD-2984'

Production Before: 3 barrels of oil and 147 barrels of water
Production After: POB 24 hours, 5 barrels of oil and 46 barrels of water

5½" casing perforations open:
Above Bridging plug at 2984': 2958' to 2968' with 60 holes
Below bridging plug at 2984': 3173'-76' with 36 holes, 3362'-70' with 48 holes, 3458'-64' with 42 holes

Producing Formation: Topeka Lime

- - - - -

On May 9, 1958, ran tools to bottom, 3507'. Ran Lane-Wells Gamma Ray Neutron Survey. Ran 2" tubing and set Halliburton DN retainer at 3455'. Input below retainer 1½ barrels per minute at 800#-TP. Pressured annulus to 800#, would not hold pressure. Cemented off Arbuckle Lime with 77 sacks of Halliburton special oil well cement, estimated 30 sacks below retainer at 1200#-TP, reversed out estimated 47 sacks of cement. Finished 4:30 a.m. 5/10/58. Pulled 2" tubing and shut down for cement to set.

Bailed hole dry to retainer at 3455', 5½" casing tested dry. * Perforated 5½" casing from 3458' to 3464' with 18 Lane-Wells A-2 shots and 24 Lane-Wells Kone shots, no shows. Ran 2" tubing and set Halliburton MM packer at 3445'. Treated with 250 gallons of Dowell MCA acid as follows:

ACID TREATMENT NO. 4 - Between 3458' to 3464'
Treatment put in 5/12/58 by Dowell Inc., using 250 gallons of acid and 15 barrels of oil.

TIME	SP	IP	REMARKS
7:24 pm			Start acid
7:31 pm		200#	
8:01 pm		500#	
8:48 pm		1000#	
8:59 pm		900#	Acid displaced
9:10 pm		Vac.	

Swabbed through 2" tubing 1½ hours, 15 barrels of oil used in treating; then swabbed 5 hours, 42 barrels of water with trace of oil.

Pulled 2" tubing and packer. Set Baker bridging plug at 3395' and bailed hole dry. Perforated 5½" casing from 3362' to 3370' with 24 holes by Lane-Wells A-2 shots and 24 Lane-Wells Kone shots, no shows. Ran 2" tubing and set Halliburton MM packer at 3355'. Treated with 500 gallons of Dowell "XF-32" acid as follows:

ACID TREATMENT NO. 5 - Between 3362' and 3370'
Treatment put in 5/13/58 by Dowell Inc., using 500 gallons of acid and 15 barrels of oil.

TIME	SP	IP	REMARKS
11:46 pm			Start acid in tubing
11:50 pm			Acid in
11:55 pm			Start to load tubing
11:56 pm		200#	
12:56 am		300#	
1:25 am		400#	
3:20 am		550#	
3:50 am		750#	
4:31 am		550#	Acid displaced

Swabbed through 2" tubing 2 hours, 15 barrels of oil used in treating; then swabbed 2 hours, 10 gallons of water and no oil and swabbed hole dry.

Pulled 2" tubing and packer. Set Baker bridging plug at 3210' and hole tested dry. Perforated 5½" casing from 3173' to 3176' with 18 A-2 shots and 18 Lane-Wells Kone shots, no shows. Ran 2" tubing and set Halliburton MM packer at 3164'. Treated with 500 gallons of Dowell "XF-32" acid as follows:

*Drilled retainer and cement plug to 3468', 5½" casing tested dry.

ACID TREATMENT NO. 6 - Between 3173' and 3176'

Treatment put in 5/14/58 by Dowell, Inc., using 500 gallons of acid and 15 barrels of oil.

TIME	CP	TP	REMARKS
8:35 pm			Start acid
8:39 pm			Acid in tubing, start oil to lead hole
8:40 pm		200#	Start acid displacement
9:10 pm		200#	
10:30 pm		200#	
11:00 pm		300#	
11:30 pm		400#	
12:00 m		450#	
12:22 am		450#	Acid displaced

Swabbed through 2" tubing 1½ hours, 15 barrels of oil used in treating; then swabbed 6 hours, 9 gallons of water per hour, no oil.

Pulled 2" tubing and packer. Set Baker bridging plug at 2964', bailed and tested dry. Perforated 5½" casing from 2958' to 2968' with 30 Lane-Wells A-2 shots and 30 Kone shots; tested 1 gallon of oil and 1 gallon of water per hour. Ran 2" tubing and set BK packer at 2948'. Treated with 500 gallons of Dowell "XF-32" acid as follows:

ACID TREATMENT NO. 7 - Between 2958' and 2968'

Treatment put in 5/15/58 by Dowell Inc., using 500 gallons of acid and 12 barrels of oil.

TIME	CP	TP	REMARKS
7:33 pm			Start acid in tubing
7:38 pm			Hole full
8:20 pm		150#	Start displacing acid
8:36 pm		300#	
9:04 pm		350#	
9:14 pm		325#	
9:32 pm		325#	Finished flush

Swabbed through 2" tubing 1 hour, 12 barrels of oil used in treating and show of water. Swabbed through 2" tubing 6 hours, 3 barrels of oil and 11 barrels of water.

Reacidized with 250 gallons of Dowell "XF-32 acid and 2000 gallons of Dowell Gel X-100 acid as follows:

ACID TREATMENT NO. 8 - Between 2958' and 2968'

Treatment put in 5/16/58 by Dowell Inc., using 2250 gallons of acid and 12 barrels of oil.

TIME	CP	TP	REMARKS
11:57 am			Start acid
12:01 pm		300#	Tubing filled
12:06 pm		400#	
12:11 pm		450#	
12:16 pm		475#	
12:30 pm		550#	Acid in

Swabbed through 2" tubing 2 hours, 12 barrels of oil used in treating with show of water. Swabbed through 2" tubing 12 hours, 4 barrels of oil and 50 barrels of acid water. Pulled 2" tubing and packer.

Ran 2" tubing and rods and pumped as follows:

DATE	HOURS PUMPED	BBLS. OIL	BBLS. WATER
5/17/58	12	1	98
5/18/58	24	1½	82
5/19/58	24	5	69
5/20/58	24	5	46

PLUGGED BACK TOTAL DEPTH 2964'

Lane-Wells Radioactivity Log Formation Tops:

Anhydrite 1260'
Base Anhydrite - 1304'
Topeka - 2958'
Heebner Shale - 3156'
Toronto Lime - 3172'
Lansing Lime - 3196'
Conglomerate - 3438'
Simpson Sand - 3469'
Arbuckle Lime - 3498'