15-151-10716-00-00 Sec

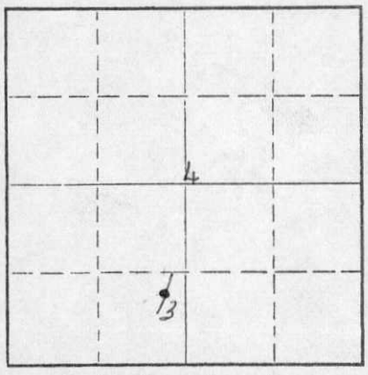
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Form CP-4

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

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

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

Lease Owner Skelly Oil Company

Lease Name S. F. Chance Well No. 3

Office Address 1860 Lincoln Street, Denver, Colo. 80203

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

Date well completed October 15, 19 53

Application for plugging filed July 18, 19 67

Application for plugging approved July 20, 19 67

Plugging commenced August 28, 19 67

Plugging completed August 31, 19 67

Reason for abandonment of well or producing formation Uneconomical to operate

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. A. Elving

Producing formation Lansing Depth to top 3725' Bottom Total Depth of Well 4337 Feet

Show depth and thickness of all water, oil and gas formations. PB 4008'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Lansing	Oil	3868'	3998'	5-1/2"	4368'3"	2192.90'
				8-5/8"	824'0"	2192'11"

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	4008' to 3800'
20 sacks of cement	3800' to 3660'
Mud	3660' to 340'
Rock bridge	340' to 330'
20 sacks of cement	330' to 225'
Mud	225' 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 17 1967
10-17-67
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Ralph Comstock Pipe Pulling Company

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)

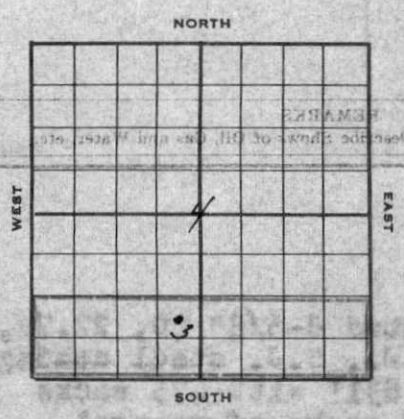
SUBSCRIBED AND SWORN TO before me this 16th day of October, 19 67

Mary E. Lutting
Notary Public.

My commission expires My Commission expires June 17, 1970

jj

Form N47A Rev.



SKELLY OIL COMPANY

Well Record

#36090

1945'RB
1942'DF
1938'BH

Lease Name and No. S. F. Chance Well No. 3 Elev.

Lease Description S/2 S/2 Section 4-26S-13W, Pratt County, Kansas (160 Acres)

Location made August 26, 1953 by T. L. Dix

330 feet from North line feet from East line } SW/4

990 feet from South line feet from West line } of Sec. 4

Work com'd 8/28 1953 Rig comp'd 8/29 1953 Drlg. com'd 8/29 1953 Drlg. comp'd 9/17 1953

Rig Contractor Claude Wentworth Drilling Co., Inc.

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

Rotary Drilling from 0' to 4337' Cable Tool Drilling from To Complete to

Commenced Producing October 15, 1953 { Initial Prod. before shot or acid 4 BO no wtr. in 2 hrs. Bbls.
Initial Prod. after shot or acid POB 8 hrs. 54.78 BO and 13.69 BW, Estab. 24 hr. SCC potential of 164 barrels Bbls.

Dry Gas Well Press Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

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

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

PRODUCING FORMATION Lansing Lime (Name) Top 3868' Bottom 3875' TOTAL DEPTH 4337' PB 3882'

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"	22.7	SJ	831'				21	824	0	Armco SW	A	475	Halliburton
5-1/2"	14#	8R	4334'				137	4368	3	J55 R2 SS	A	200	Halliburton

(8-5/8" casing set 3' in cellar and 5½" cased to derrick floor)
(5½" casing perforated from 4268'-78' with 57 holes; from 3986'-3998' with 72 holes; from 3946'-3954' with 40 holes; from 3868'-3875' with 42 holes; from 4138'-4149' with 64 holes)

Used 1 - 5½" 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

	FIRST	SECOND	THIRD	FOURTH
Date	9/30/53	10/2/53	10/6/53	
Acid Used Size Shot	Gals. Qts.	Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	4268 Ft. and 4278 Ft.	4268 Ft. and 4278 Ft.	4138 Ft. and 4149 Ft.	Ft. and Ft.
Size of Shell				For remaining
Put in by (Co.)	Halliburton	Halliburton	Halliburton	treatments see
Length anchor				remarks
Distance below Cas'g	Sand-Oil-Frac	Sand-Oil-Frac	Sand-Oil-Frac	
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Heebner Shale	3534'						
Brown Lime	3693'						
Lansing Lime	3725'				3798	3829	Spotted stain to sat.
Marmaton Lime	4048'				3861	3878	Spotted stain & saturation
Mississippi Lime	4138'						
Viola Lime	4216'						
Simpson Sand	4265'						
Arbuckle Lime	4313'						

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 Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil, sand and clay	0	45	
Sand	45	200	
Shale, shells and red bed	200	425	
Red bed and shells	425	861	Set and cemented 8-5/8" OD, 22.7#, R-3, Armco S.W., S.J. steel casing (A cond.) at 831' with 475 sacks of cement, 10 sacks of aquagel and 5 sacks of calcium chloride. Cement circulated.
Anhydrite	861	845	
Shale and shells	845	1250	
Salt and shale	1250	1350	
Shale and shells	1350	1720	
Shale and lime	1720	3195	
Lime	3195	3575	TOP HEEBNER SHALE 3534'
Lime and shale	3575	3735	TOP BROWN LIME 3693' TOP LANSING LIME 3725'
Lime	3735	3798	
Finely crystalline lime	3798	3829	Fair pin-point porosity, spotted stain to saturation. Ran Halliburton drill stem test, set packer at 3798', used 31' anchor, open 1 hour, strong blow throughout, gas to surface in 60 minutes, recovered 185' of heavy oil and gas cut mud, BHP-1035#, initial flow 34#, final flow 68#.
Lime	3829	3861	
Oolitic and oolicastic lime	3861	3878	Good porosity, spotted stain and saturation, free oil in wet samples. Ran Halliburton drill stem test, set packer at 3861', used 17' anchor, open 2 hrs., fair blow, gas to surface in 15 minutes, recovered 420' of oil, 60' of oil cut mud, BHP-1095#, initial flow 35#, final 175#.
Lime	3878	4035	BASE KANSAS CITY LIME 4026'
Lime and shale	4035	4159	TOP MARMATON LIME 4048' TOP CONGLOMERATE 4106' TOP MISSISSIPPI LIME 4138' TOP KINDERHOOK SHALE 4175'
Lime and chert	4159	4266	TOP MISENER SAND 4196' TOP VIOLA LIME 4216' TOP SIMPSON SHALE 4259' TOP SIMPSON SAND 4265'

Cored from 4266' to 4286' - Recovered 20'

- Top 1' - Green sandy shale
- Next 4' - Fine grained friable sand with paper thin shale breaks
- Next 7' - Slightly shaley friable sand, bleeding oil slightly
- Next 1' - Green shaley sand
- Next 2'6" - Sandy green shale
- Next 1' - Dark green waxey shale
- Next 2'6" - Dark green shale with black shaley pyritic inclusions
- Last 1' - Dark green waxey fossiliferous shale

Shale	4286	4317	TOP ARBUCKLE LIME 4313'
Dolomite	4317	4337	Set and cemented 5½" OD, 14#, 8R thd., R-2, J-55, J&L, S.S. casing (A cond.) at 4334' with 200 sacks of regular cement and 2% aquagel. Finished cementing at 11:45 a.m. 9/18/53. Rigged up cable tools and bailed the hole down on September 26, drilled cement plug and cleaned out to 4334' and 5½" casing tested dry. Ran Lane-Wells Gamma Ray Survey.

On September 27, perforated 5½" casing from 4318' to 4326' with 48 holes by Lane-Wells. Bailed and tested 16 hours, 16-3/4 gallons of salt water per hour, no oil. On September 28, ran 2" tubing and set Halliburton DM retainer at 4289'. Cemented off perforations from 4318' to 4326' with 50 sacks of cement, maximum TP-3500#. Pulled tubing and bailed the hole dry and 5½" casing tested dry.

Perforated 5½" casing from 4268' to 4278' with 57 holes by Lane-Wells. Bailed and tested 10 hours, no shows. Ran 2" tubing and set Halliburton HM packer at 4236'. Ran Halliburton Sand-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4268' and 4278'

Used 40 barrels of heavy crude oil
2000# of sand
148 barrels of oil to load hole and flush
Maximum TP-3350#, broke to 2500#
Time 34 minutes

Pulled tubing and Halliburton packer. Swabbed through 5½" casing 12 hours, 136 barrels of oil used in treating and no water. On October 3, swabbed through 5½" casing 4 hours, 6 barrels of oil used in treating. Ran 2" tubing and set Halliburton DM retainer at 4236' and treated with Halliburton Sand-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 2 - Between 4268' and 4278'

Used 70 barrels of heavy drude oil
5600# of sand
148 barrels of oil to load hole and flush
Maximum TP-3250#, broke to 2600#
Time 35 minutes

Pulled 2" tubing and Halliburton HM packer. Bailed and cleaned up hole. Swabbed through 5½" casing 12 hours, 142 barrels of oil used in treating and no water. On October 4, swabbed through 5½" casing 22 hours, 38 barrels of oil used in treating.* Ran 2" tubing and set Halliburton HM packer at 4083'. Ran Halliburton Sand-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 3 - Between 4138' and 4149'

Used 60 barrels of heavy crude oil
4000# of sand
158 barrels of oil to load hole and flush
Maximum TP-3900#, broke to 3300#
Time 55 minutes

Pulled 2" tubing and packer and swabbed through 5½" casing 9 hours, 100 barrels of oil used in treating; then swabbed 6 hours, no oil. Set Lane-Wells bridging plug at 4010' and plugged back with 3 gallons of Cal-Seal from 4010' to 4008'. Perforated 5½" casing from 3986' to 3998' with 72 holes by Lane-Wells. Swabbed through 5½" casing 12 hours, 6 barrels of oil and 2 barrels of water. Treated through 5½" casing with 500 gallons of 15% Halliburton acid as follows:

ACID TREATMENT NO. 1 - Between 3986' and 3998'

Treatment put in 10/9/53 by Halliburton, using 500 gallons of acid and 94 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
10:30 am	Vac.		Start acid
11:04 am	900#		Acid on bottom
11:05 am	750#		50 gallons of acid in
11:16 am	800#		500 gallons of acid in

Swabbed through casing 4 hours, 95 barrels of oil used in treating and 12 barrels of acid water. Then swabbed through casing 14 hours, 92 barrels of oil and 39 barrels of water. On October 11, swabbed through 5½" casing 3 hours, 12 barrels of oil and 3 barrels of water. Set Lane-Wells bridging plug at 3966' and plugged back with 1/2 sack of Cal-Seal from 3965' to 3963'. Bailed and tested 3 hours and 5½" casing tested dry.

Perforated 5½" casing from 3946' to 3954' with 40 holes by Lane-Wells. Bailed and tested 2 hours, 12 gallons of oil and 6 gallons of water per hour. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3946' and 3954'

Treatment put in 10/10/53 by Halliburton, using 500 gallons of acid and 97 barrels of oil to fill and flush casing.

TIME	CP	TP	REMARKS
5:30 pm	Vac.		Start acid
6:04 pm	Vac.		Acid on bottom
6:05 pm	150#		80 gallons of acid in
6:09 pm	150#		500 gallons of acid in

Swabbed through 5½" casing 4 hours, 97 barrels of oil used in treating and 12 barrels of acid water; then swabbed 8 hours, 62 barrels of oil and 11 barrels of water. On October 11, swabbed through 5½" casing 3 hours, 15 barrels of oil and 6 barrels of water. Set Lane-Wells bridging plug at 3890' and plugged back with 4 gallons of crushed rock and 1/2 sack of Cal-Seal from 3890' to 3882'.

Perforated 5½" casing from 3868' to 3875' with 42 holes by Lane-Wells. Tested 2 hours, 4 barrels of oil and no water. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

*Set Lane-Wells bridging plug at 4164' and plugged back from 4164' to 4161½' with 3 gallons of Cal-Seal. Perforated 5½" casing from 4138' to 4149' with 64 holes by Lane-Wells. Bailed and tested 12 hours, 24 gallons of oil and 6 gallons of water.

ACID TREATMENT NO. 3 - Between 3868' and 3875'

Treatment put in 10/11/53 by Halliburton, using 500 gallons of acid and 95 barrels of oil to fill and flush casing.

TIME	CP	TP	REMARKS
3:30 pm	Vac.		Started acid down casing
4:02 pm	900#		500 gallons of acid on bottom, start flush
4:04 pm	500#		80 gallons of acid in formation
4:09 pm	450#		500 gallons of acid in formation

Swabbed through 5½" casing 1 hour, 60 barrels of oil used in treating and 12 barrels of acid water and well started flowing. Flowed through 5½" casing 10 hours, 37 barrels of oil used in treating and 263 barrels of formation oil. On October 12, swabbed through 5½" casing 6 hours, 51 barrels of oil and 10 barrels of water. Ran 2" tubing and swabbed well through tubing, 84 barrels of oil and 28 barrels of water. On October 13, swabbed through 2" tubing 4 hours, 32 barrels of oil and 8 barrels of water.

On October 15, POB 8 hours, 54.78 barrels of oil and 13.69 barrels of water to establish 24 hour State Corporation Commission of 164 barrels. This potential allows 25 barrels per day.

TOTAL DEPTH 4337' PB 3882'

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
350'	0 Degree
700'	0 "
1000'	0 "
1250'	0 "
1500'	1/2 "
1750'	0 "
2000'	0 "
2256'	0 "
2500'	1/2 "
2750'	0 "
3000'	0 "

FORM 16-136 (REV. 9/60)

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 WELL NO. 3 DISTRICT Rocky Mountain
SEC. 4 T. 26S R. 13W COUNTY Pratt AFE NO. 22824
BLOCK ____ SURVEY ____ STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced August 28, 19 67 Date completed August 31, 19 67
Deepened from ____ to ____ Total Depth ____
Plugged back from 4008' to Surface P.B.T.D. ____
Cleaned out from ____ to ____
Production before 1.5 bbls. oil 6 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; Cont.
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 Feet	LTM In.	WTM Feet	WTM In.	Jts.	LTM Feet	LTM In.	WTM Feet	WTM In.
5-1/2"	14#	8R	J55 R2 SS	D & B	68	2160	8	2175	4	69	2077	11	2192	11

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 28, 1967, moved in and rigged up plugging machine of Ralph Comstock Pipe Pulling Company and plugged the well as follows:

Sand	4008' to 3800'
20 sacks of cement	3800' to 3660'

Shot 5½" casing at 2927', 2738', 2614', 2480', 2386', 2288', 2230' and 2168'. Pulled 68 joints (2192.90') of 5½" casing.

Mud	3660' to 340'
Rock bridge	340' to 330'
20 sacks of cement	330' to 225'
Mud	225' to 40'
Rock	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

Plugged and abandoned August 31, 1967.

jj

S. F. CHANCE WELL NO. 3 Sheet No. 3

CLEANING OUT AND RETESTING LANSING

Date Commenced: June 20, 1957
Date Completed: July 5, 1957

Cleaned out to 4008' PB TD-4008'

Production Before: 12 barrels of oil and 28 barrels of water
Production After: 130 barrels of oil and 33 barrels of water

5½" casing perforations open:
Above bridging plug: 3850'-58' with 48 holes, 3868'-75' with 42 holes, 3904'-08' with 25 holes, 3915'-24' with 56 holes, 3946'-54' with 40 holes, 3986'-3998' with 72 holes
Below bridging plug: 4138'-49' with 64 holes, 4268'-4278' with 57 holes

Producing Formation: Lansing-Kansas City

- - - - -

PB 3882

On June 20, 1957, rigged up cable tools of W. L. Copeland and pulled rods and 2" tubing. Swabbed through 5½" casing 12 hours, 15 barrels of oil and 33 barrels of water.

Perforated 5½" casing from 3850' to 3858' with 48 holes by Lane-Wells. Ran 2" tubing and set HM packer at 3865'. Swabbed through 2" tubing 2 hours, 10 gallons of oil and 2 gallons of water. Treated through tubing with 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 4 - Between 3850' and 3858'

Treatment put in 6/22/57 by Halliburton, using 500 gallons of acid and 140 barrels of oil.

TIME	CP	TP	REMARKS
8:00 pm		Vac.	Start acid
8:07 pm		1000#	Acid on bottom
8:12 pm		300#	100 gallons of acid in
8:20 pm		Vac.	300 gallons of acid in
8:25 pm		Vac.	400 gallons of acid in
8:30 pm		Vac.	500 gallons of acid in

Swabbed through 2" tubing 3 hours, 38 barrels of oil used in treating and no water. Swabbed through 2" tubing 24 hours, 37 barrels of oil used in treating, 12 barrels of acid water, and 26 barrels of formation water. On June 24, swabbed through 2" tubing 3 hours, 3 barrels of oil used in treating and 3 barrels of formation water. Pulled 2" tubing and packer; then swabbed through 5½" casing 2 hours, 10 barrels of oil used in treating and 9 barrels of water. Loaded hole with 50 barrels of oil.

Drilled and drove Lane-Wells bridging plugs from 3890' and 3956' to 3963'. Perforated 5½" casing from 3904' to 3908' with 25 holes and from 3915' to 3924' with 56 holes by Lane-Wells. Swabbed through 5½" casing 2 hours, 50 barrels of oil used to load hole, 10 barrels of formation oil and 23 barrels of water. Ran 2" tubing with straddle packers, top packer set at 3941', bottom set at 3959'. Swabbed through 2" tubing 3 hours from 3946' to 3954', 12 barrels of oil and 6 barrels of water. Treated through 2" tubing with 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 5 - Between 3946' and 3954'

Treatment put in 6/25/57 by Halliburton, using 500 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
5:32 pm		Vac.	Start acid
5:46 pm		200#	Acid on bottom
5:52 pm		Vac.	100 gallons of acid in
6:15 pm		Vac.	500 gallons of acid in

Swabbed through 2" tubing 3 hours, 20 barrels of oil used in treating and 12 barrels of acid water; then swabbed 4 hours, 22 barrels of formation oil and 22 barrels of water. Swabbed through 2" tubing 1 hour, 5 barrels of oil and 5 barrels of water. Reset Halliburton straddle packer and swabbed through 2" tubing 5 hours, 20 barrels of oil and 9 barrels of water. Treated through 2" tubing with 250 gallons of Halliburton 15% acid and 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 6 - Between 3915' and 3924'

Treatment put in 6/25/57 by Halliburton, using 750 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
2:21 pm			Start 15% acid
2:22 pm			Start HV acid
2:26 pm			Start flush
2:27 pm			15% acid on bottom
2:29 pm		1500#	HV acid on bottom
2:53 pm		0#	Acid in, treatment completed

Swabbed through 2" tubing 6 hours, 20 barrels of oil used in treating and 6 barrels of spent acid water; then swabbed through 2" tubing 5 hours, 21 barrels of oil and 12 barrels of spent acid water.

Pulled 2" tubing and Halliburton packers. Reran tubing and set straddle packer with top at 3831' and bottom at 3912'. Swabbed through 2" tubing 3 hours, 22 barrels of oil and 8 barrels of water. 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 3904' and 3908'

Treatment put in 6/27/57 by Halliburton, using 750 gallons of acid and 20 barrels of oil.

TIME	CP	TP	REMARKS
7:28 am		0#	Start 15% acid
7:30 am		0#	Start HV acid
7:34 am		0#	15% acid on bottom
7:36 am		0#	HV acid on bottom
7:51 am		0#	Acid in, treatment completed

Swabbed through 2" tubing 3 hours, 20 barrels of oil used in treating and 18 barrels of acid water. Then swabbed 4 hours, 27 barrels of formation oil and 18 barrels of water. Swabbed through 2" tubing 1 hour, 7 barrels of oil and 3 barrels of water.

Reset Halliburton straddle packer with top at 3900' and bottom at 3931'. Swabbed through 2" tubing 4 hours, 5 barrels of oil and 3 barrels of water. Pulled 2" tubing and straddle packer. Loaded hole w/ oil. Drilled and drove Lane-Wells bridging plug from 3963' to 4008'. Swabbed through 5½" casing 1 hour, 50 barrels of oil used in loading hole. Then swabbed through 5½" casing 3 hours, 83 barrels of oil and 55 barrels of water.

Ran 2" tubing and set Halliburton HM packer at 3980'. Swabbed through 2" tubing 7 hours, 30 barrels of oil and 7 barrels of water. Treated with 500 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 8 - Between 3986' and 3998'

Treatment put in 6/30/57 by Halliburton, using 500 gallons of acid and 25 barrels of oil.

TIME	CP	TP	REMARKS
9:30 pm			Start acid
9:34 pm		1100#	Acid on bottom
9:50 pm		500#	Acid clear
9:55 pm		0#	Treatment completed

Swabbed through 2" tubing 3 hours, 25 barrels of oil used in treating and 12 barrels of spent acid water. Swabbed through 2" tubing 1 hour, 10 barrels of oil and 3 barrels of water. On July 1, swabbed through 2" tubing 5 hours, 35 barrels of oil and 20 barrels of water. Pulled 2" tubing and HM packer; then swabbed through 5½" casing 12 hours, 160 barrels of oil and 80 barrels of water. Ran 2" tubing and rods and pumped as follows:

DATE	HOURS PUMPED	BBLS. OIL	BBLS. WTR.
7/3/57	20	108	27
7/4/57	24	140	35
7/5/57	24	130	33

PLUGGED BACK TOTAL DEPTH 4008'