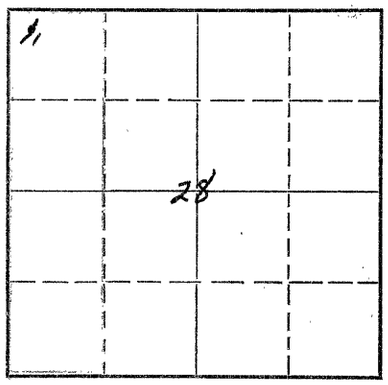
STATE OF KANSAS
STATE CORPORATION COMMISSION

15-163-19221-00-00

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Rooks County. Sec. 28 Twp. 9S Rge. (E) 16 (W)
Location as "NE/CNW¼SW¼" or footage from lines NW/4 NW/4 NW/4
Lease Owner Skelly Oil Company
Lease Name Alice Andreson Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed June 29, 19 54
Application for plugging filed July 1, 19 54
Application for plugging approved July 2, 19 54
Plugging commenced July 2, 19 54
Plugging completed July 8, 19 54
Reason for abandonment of well or producing formation Dry Hole

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. Eldon Petty
Producing formation Depth to top Bottom Total Depth of Well 3614 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Lansing Lime	Dry	3215'		8-5/8"	1294'0"	None
Arbuckle	Dry	3593'			3635'5"	2885'1"

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.

Cement	3614' to 3597'
Mud	3597' to 2953'
25 sacks of cement	2953' to 2753'
Mud laden fluid	2753' to 300'
25 sacks of cement	300' to 233'
Mud laden fluid	233' to 60'
25 sacks of cement	60' 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 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) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 27th day of July, 1954

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1955

24-7368-S 3-53-20M

PLUGGING
FILE SEC 28 T 9 R 16W
BOOK PAGE 45 LINE 34

7/28/54

Form N47A Rev.

15-163-19221-00-00

SKELLY OIL COMPANY

Well Record

NORTH	
WEST	EAST
SOUTH	

Lease Name and No. Alice Andreson #41385 Well No. 1 Elev. 2067' RB / 2064' DF / 2060' RM

Lease Description W/2 W/2 Section 28-9S-16W, Rooks County, Kansas (160 Acres)

Location made May 6, 1954 by F. J. Cussen

330 feet from North line ... feet from East line } of NW/4

... feet from South line 330 feet from West line } of Sec. 28

Work com'd 5/7 1954 Rig comp'd 5/8 1954 Drlg. com'd 5/8 1954 Drlg. comp'd 5/22 1954

Rig Contractor Claude Wentworth Drilling Co., Inc.

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

Rotary Drilling from 0' to 3614' 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 (Name) Top ... Bottom ... TOTAL DEPTH 3614'

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
OD 8-5/8"	24#	FE	1301'				31	1294	0	R3 SS	B	400	Halliburton
5-1/2"	14#	SR		20	612	5				J55 R3 SS	B		
5-1/2"	14#	SR	3608'	67	2072	4	[illegible]	750	4	J55 R2 NEW	B	150	Halliburton
(8-5/8" casing set 1' in cellar and 5½' cased to derrick floor)													
Used Baker two-stage Collar													

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	6/2/54	6/3/54	6/4/54	
Acid Used / Size Shot	500 Gals.	500 Gals.	500 Gals.	Gals. Qts.
Shot Between	3390 Ft. and 3401 Ft.	3376 Ft. and 3382 Ft.	3258 Ft. and 3264 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				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Topeka Lime	2945'						
Heebner Shale	3172'						
Toronto Lime	3189'						
Lansing Lime	3215'						
Conglomerate	3519'						
Simpson Dolomite	3564'						
Arbuckle Lime	3593'						

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 shale	0	400	
Sand, rock, shale and shells and sand	400	902	
Shale and shells	902	1291	TOP ANHYDRITE 1291'
Anhydrite	1291	1301	Set and cemented 8-5/8"OD, 24#, P.S., R-3, S.S. casing (8 cond.) at 1301' with 400 sacks of cement, 4% gel and 150# of Flocele, 50 sacks of Stratacrete with 2% calcium chloride in last 50 sacks of cement. Cement circulated. On May 12, recemented around top of 8-5/8" casing with 15 sacks of cement.
Anhydrite	1301	1328	
Shale and shells	1328	1549	
Shale and salt	1549	1610	
Shale and shells	1610	1965	
Shale and lime	1965	3075	TOP TOPEKA LIME 2949'
Lime	3075	3137	
Cream, finely crystalline partly fossiliferous lime	3137	3142	Fair spotty stain, fair show of free oil, fair vugular porosity. Ran Halliburton drill stem test, packer set at 3134', open 1 hour, slight blow, recovered 5' of slightly oil cut water and 30' of salt water, BHP-190#, flowing pressure 30#.
Lime	3142	3186	TOP HEEBNER SHALE 3172'
Cream, fine to medium crystalline, slightly cherty lime	3186	3191	TOP TORONTO LIME 3189' Spotty stain, show of free oil, fair to good vugular porosity.
Lime	3191	3195	
Cream, fine to medium crystalline slightly cherty lime	3195	3198	Spotty stain, show of free oil, fair to good vugular porosity
Lime	3198	3202	Ran Halliburton drill stem test, packer set at 3177', open 1 hour, fair blow throughout, recovered 155' of heavy oil cut mud, BHP-390#, flowing pressure 40#.
Lime	3202	3221	TOP LANSING LIME 3215'
Cream, medium crystalline lime	3221	3226	Trace of spotty stain, trace of free oil, poor porosity
Lime	3226	3234	
Cream, dense lime	3234	3237	Spotty stain, slight show of free oil, poor vugular porosity.
Lime	3237	3247	
White, dense cherty lime	3247	3254	Spotty stain, slight show of free oil, poor porosity
Lime	3254	3258	
White, dense cherty lime	3258	3260	Spotty stain, slight show of free oil, poor porosity
Lime	3260	3262	Ran Halliburton drill stem test, packer set at 3215', open 45 mins, slight blow for 30 mins., recovered 40' of slightly oil cut mud, BHP-210#.
Lime	3262	3266	
Cream, dense partly oolitic lime	3266	3271	Spotted stain, slight show of free oil, fair vugular and oolitic porosity
Lime	3271	3275	
Cream, dense partly oolitic lime	3275	3284	Spotted stain, slight show of free oil, fair vugular and oolitic porosity.
Lime	3284	3290	Ran Halliburton drill stem test, packer set at 3262', open 30 mins, slight blow for 1 minute, recovered 10' of drilling mud, no oil, BHP-130#, flowing pressure 30#.
Lime	3290	3307	
Cream, dense cherty lime	3307	3313	Trace of light stain, poor porosity

Lime	3312	3322	
Fine crystalline oolitic lime	3322	3329	Spotted light stain, good porosity
Lime	3329	3377	
Cream, dense lime	3377	3388	Spotted stain, trace of free oil, poor vugular porosity
Lime	3388	3394	
Gray and green dense lime	3394	3406	Spotted stain, fair show of free oil, slight odor, fair to poor vugular porosity
Lime	3406	3407	Ran Halliburton drill stem test, packer set 3376', open 1 hour, very weak blow, recovered 5' of free oil and 10' of drilling mud, BHP-35#, no flow pressure.
Lime	3407	3452	
Cream dense oolitic lime	3452	3463	Trace of spotty stain, poor porosity
Lime and shale	3463	3591	~~TOP CONGLOMERATE 3519'~~ ~~TOP SIMPSON DOLOMITE 3564'~~ ~~TOP ARBUCKLE LIME 3591'~~
White to grey, fine to medium crystalline dolomite	3591	3614	Poor porosity, no stain or saturation

TOTAL DEPTH DRILLED 3614'

Set and cemented 812' of 5½"OD, 14#, 8R thd., R-3, Pitts., S.S. casing (A cond.); and 2823' of 5½"OD, 14#, 8R thd., R-2, S.S.W. steel casing (A cond.) at 3608' with 150 sacks of cement and 35 gel. Opened stage collar at 2934' with 1100#-CP, circulated for 1 hour, then spotted 171 bbls. of oil behind 5½" casing. Oil Circulated. Closed stage collar with 1100#. Finished cementing at 9:00 p.m. 5/22/54.

Rigged up cable tools and swabbed and bailed the hole dry on May 31, to stage collar at 2934', and 5½" casing tested dry. Drilled out stage collar and swabbed hole dry to 3575' and casing tested dry. Drilled cement plug to 3600' and ran Lane-Wells Gamma Ray Neutron Survey.

On June 1, perforated 5½" casing from 3390' to 3401' with 99 holes by Lane-Wells. Tested 1 gallon of drilling water with show of oil per hour. On June 2, treated with 500 gallons of Halliburton 15% acid through 5½" casing as follows:

ACID TREATMENT NO. 1 - Between 3390' and 3401'

Treatment put in 6/2/54 by Halliburton, using 500 gallons of acid and 92½ barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
4:10 pm			4½ barrels oil in to fill from 3600' to 3390'
4:25 pm			Start acid in
4:28 pm			500 gallons of acid in, start load hole
4:48 pm	500#		Acid on bottom
4:54 pm	300#		210 gallons of acid in formation
4:57 pm	300#		500 gallons of acid in formation

Swabbed through 5½" casing 11 hours, 88 barrels of oil with trace of water (oil used in treating). On June 3, set Baker bridging plug at 3385' and 5½" casing tested dry. Perforated 5½" casing from 3376' to 3382' with 54 holes by Lane-Wells; tested 1/2 gallon of oil and 1 gallon of drilling water per hour. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3376' and 3382'

Treatment put in 6/3/54 by Halliburton, using 500 gallons of acid and 85 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
3:35 pm			Start acid
3:38 pm			500 gallons of acid in, start oil to load hole
3:58 pm			Acid on bottom, 71 barrels oil in
4:01 pm	200#		210 gallons of acid in formation
4:03 pm	200#		500 gallons of acid in formation
			Flushed with 14 barrels of oil

Swabbed through 5½" casing 9 hours, 81 barrels of oil used in treating. On June 4, swabbed through 5½" casing 5 hours, 3 barrels of oil with trace of water, oil exhausted. Set Baker bridging plug at 3265' and 5½" casing tested dry. Perforated 5½" casing from 3258' to 3264' with 54 holes by Lane-Wells; tested 1 gallon of drilling water with show of oil. Treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 3246' and 3264'

Treatment put in 6/4/54 by Halliburton, using 500 gallons of acid and 63 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
5:15 pm			Start acid in
5:21 pm			500 gallons of acid in, start oil
5:36 pm			Acid on bottom, 70 barrels of oil in
5:42 pm	600#		120 gallons of acid in formation
5:48 pm	400#		500 gallons of acid in formation
			Flushed with 13 barrels of oil

Swabbed through 5½" casing 6 hours, 75 barrels of oil used in treating; then swabbed 6 hours, 8 barrels of oil used in treating and 6 barrels of water. On June 5, swabbed through 5½" casing 4 hours, 8 barrels of oil used in treating. Bailed and tested 4 hours, 10 gallons of water per hour, very slight show of oil. Set Baker bridging plug at 3255' and 5½" casing tested dry.

Perforated 5½" casing from 3250' to 3254' with 36 holes by Lane-Wells, show of oil, no fill up. Treated through 5½" casing with 500 gallons of Halliburton 15% penetrating acid as follows:

ACID TREATMENT NO. 4 - Between 3250' and 3254'

Treatment put in 6/5/54 by Halliburton, using 500 gallons of acid and 67 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
6:05 pm			Start acid in
6:10 pm			500 gallons of acid in, start oil
6:25 pm			Acid on bottom
6:27 pm	300#		
6:30 pm	300#		500 gallons of acid in formation
			Flushed with 12 barrels of oil

Swabbed through 5½" casing 6 hours, 60 barrels of oil used in treating with show of water. On June 6, bailed and tested 5 hours, 18 to 19 gallons of oil per hour with 6 gallons of water per hour, partly acid water. Reacidized with 1500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 5 - Between 3250' and 3254'

Treatment put in 6/6/54 by Halliburton, using 1500 gallons of acid and 80 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
2:02 pm			Start acid in
2:10 pm			1500 gallons of acid in, start oil
2:20 pm			Acid on bottom
2:21 pm	300#		
2:25 pm	200#		650 gallons of acid in formation
2:29 pm	200#		1500 gallons of acid in formation

Swabbed through 5½" casing 8 hours, 60 barrels of oil used in treating with show of water; then swabbed through 5½" casing 10 hours, 7 barrels of oil and 7 barrels of water, partly acid water. On June 7, bailed and tested 5 hours, .58 gallons of fluid per hour, 50% water. Set Baker bridging plug at 3244' and hole tested dry. Perforated 5½" casing from 3237' to 3241' with 36 holes by Lane-Wells; tested 10 gals. of oil and 2 gallons of water per hour. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 6 - Between 3237' and 3241'

Treatment put in 6/7/54 by Halliburton, using 500 gallons of acid and 60 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
6:02 pm			Start acid in
6:05 pm			500 gallons of acid in, start to load hole
6:20 pm			Acid on bottom
6:23 pm	0#		500 gallons of acid in formation
			Flushed with 13 barrels of oil

Swabbed through 5½" casing 12 hours, 80 barrels of oil used in treating and 14 barrels of water. On June 8, swabbed through 5½" casing 5 hours, 1 barrel of fluid per hour, 65% water. Set Baker bridging plug at 3230' and hole tested dry.

Perforated 5½" casing from 3215' to 3220' with 45 holes by Lane-Wells, no shows. Treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 7 - Between 3215' and 3220'

Treatment put in 6/8/54 by Halliburton, using 500 gallons of acid and 79 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
5:33 pm			Start acid in
5:36 pm			500 gallons of acid, start oil
5:50 pm			Acid on bottom
5:52 pm	500#		
5:56 pm	400#		
6:00 pm	400#		500 gallons of acid in formation
			Flushed with 12 barrels of oil

Swabbed through 5½" casing 4 hours, 79 barrels of oil used in treating with trace of water; then swabbed through 5½" casing 10 hours, 12 barrels of oil and 4 barrels of water. On June 9, reacidized with 1500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT No. 8 - Between 3215' and 3220'

Treatment put in 6/9/54 by Halliburton, using 1500 gallons of acid and 80 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:30 am			Start acid in
11:36 am			1500 gallons of acid in, start oil
11:37 am			Acid on bottom
11:40 am	0#		450 gallons of acid in formation
11:41 am	400#		
11:46 am	400#		1500 gallons of acid in formation
11:47 am			Flushed with 37 barrels of oil

Swabbed through 5½" casing 4 hours, 80 barrels of oil used in treating with show of water. Swabbed 13 hours, 12 barrels of oil and 10 barrels of water, partly acid water. On June 10, swabbed through 5½" casing 3 hours, .80 barrels of fluid per hour, 10% water. Set Baker bridging plug at 3210'.

Perforated 5½" casing from 3190' to 3204' with 126 holes by Lane-Wells. Bridging plug moved from 3210' to 3207'. Set second bridging plug at 3205', bailed and tested 2 to 3 gallons of oil per hour. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT No. 9 - Between 3190' and 3204'

Treatment put in 6/10/54 by Halliburton, using 500 gallons of acid and 80 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
6:50 pm			Start acid in
6:54 pm			500 gallons of acid in, start oil
7:08 pm			Acid on bottom
7:11 pm	0#		Finish flushing with 14 barrels of oil

Swabbed through 5½" casing 11 hours, 20 barrels of oil used in treating and 12 barrels of water, partly acid water. On June 11, swabbed through 5½" casing 3 hours, 2.34 barrels of oil and .66 barrels of water. Drove bridging plugs from 3205' to 3206'. Ran 2" tubing and set Halliburton EE retainer at 3174', and cemented off perforations from 3190' to 3204' and 3215' to 3220' with 250 sacks of common cement, estimated 230 sacks below retainer. Reversed out estimated 20 sacks of cement and pressured tubing to 500#. Pulled tubing and shut down for cement to set.

On June 14, swabbed and bailed the hole dry to top of EE retainer at 3174' and 5½" casing tested dry. Drilled cement plug to 3206' ELM and 5½" casing tested dry. Perforated 5½" casing from 3190' to 3204' with 42 holes by Lane-Wells A-1 shots and 56 holes by Lane-Wells Kone shots, as shown. Treated down casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT No. 10 - Between 3190' and 3204'

Treatment put in 6/15/54 by Halliburton, using 500 gallons of acid and 78 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
5:39 pm			Start acid
5:42 pm			500 gallons of acid in
5:55 pm			Acid on formation
5:56 pm	450#		
5:57 pm	300#		147 gallons of acid in formation
5:58 pm	350#		160 gallons of acid in formation
5:59 pm	350#		500 gallons of acid in formation
			Flushed with 13 barrels of oil

Swabbed through 5½" casing 10 hours, 79 barrels of oil used in treating and 10 barrels of water, partly acid water. On June 16, bailed and tested 2 hours, 10 gallons of oil and 83 gallons of water, part acid water. Treated with 1500 gallons of Halliburton 15% acid through 5½" casing as follows:

ACID TREATMENT No. 11 - Between 3190' and 3204'

Treatment put in 6/16/54 by Halliburton, using 1500 gallons of acid and 79 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
4:05 pm			Start acid
4:12 pm			1500 gallons of acid in
4:20 pm			Acid on formation
4:24 pm	350#		750 gallons of acid in formation
4:26 pm	400#		1130 gallons of acid in formation
4:28 pm	400#		1500 gallons of acid in formation
			Flushed with 37 barrels of oil

Swabbed through 5½" casing 2 hours, 70 barrels of oil used in treating and 9 barrels of water; then swabbed 10 hours, 8 barrels of oil used in treating and 35 barrels of water. On June 17, bailed and tested 4 hours, 2 barrels of fluid per hour, 80% water. Ran 2" tubing and set Halliburton DM retainer at 3160' and cemented off perforations from 3190' to 3204' with 250 sacks of common cement, estimated 230 sacks below retainer at 300# standing TP. Reversed out estimated 20 sacks of cement. Pulled 2" tubing and shut down for cement to set.

On June 20, swabbed and bailed the hole dry to 3160' and 5½" casing tested dry. Drilled retainer and cement plug to 3198' and hole tested dry. Perforated 5½" casing from 3190' to 3197' with 21 holes by Lane-Wells, no shows. Loaded hole with 15 barrels of oil and perforated from 3190' to 3197' with 28 Lane-Wells Kone shots, no change in fluid. Swabbed and bailed the hole dry, then treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 12 - Between 3190' and 3197'

Treatment put in 6/21/54 by Halliburton, using 500 gallons of acid and 80 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
9:18 am			Start acid
9:32 am			500 gallons of acid in
10:29 am	900#		
10:39 am	700#		
10:24 am	1000#		
12:57 pm	1000#		84 gallons of acid in formation
1:33 pm	1000#		160 gallons of acid in formation
1:34 pm	300#		
1:41 pm	300#		500 gallons of acid in formation Flushed with 13 barrels of oil

Swabbed through 5½" casing 3 hours, 80 barrels of oil used in treating with show of water and swabbed to bottom. Bailed and tested 8 hours, very slight show of oil and 44 gallons of water per hour. Drove Lane-Wells bridging plugs to 3597'SLM. Perforated 5½" casing from 3509' to 3523' with 126 holes by Lane-Wells, no increase in fluid. On June 26, ran 2" tubing and set Halliburton RTTS packer at 3465'. Tested input below packer and well took 4 barrels of fluid per minute at 2700#-TP. Ran Halliburton Sand-Oil-Frac from 3509' to 3523' as follows:

SAND-OIL-FRAC TREATMENT No. 1 - Between 3509' and 3523'

Used 40 bbls. of heavy crude oil
1400# of sand
Maximum TP-5000#, broke to 2700#
Used 16 barrels of oil to flush
Time 3 hours and 40 minutes

Pulled tubing and packer and found bottom 15 joints of tubing bend. Bailed and cleaned out sand from 3580' to 3597'. Swabbed through 5½" casing 3 hours, 30 barrels of oil used in treating and show of water. Swabbed hole to bottom. Ran 2" tubing and set Halliburton RTTS packer at 3495'. Swabbed through 2" tubing 6 hours, 12 to 13 gallons of salt water per hour with scum of oil. On June 28, released packer and swabbed through 2" tubing 20 hours, 5 barrels of heavy cut oil and 25 barrels of water. Pulled 2" tubing and packer.

Since there were no shows of oil or gas in commercial quantities encountered in drilling to 3614', regular authority was granted to plug and abandon the well.

On July 2, 1954, swabbed the hole dry and plugged back with mud from 3597' to 2953'. On July 4, shot off 5½" casing at 2923', unable to pull casing with cable tool unit. Moved out cable tools and moved in regular plugging machine. Shot 5½" casing at 2902', would not pull; shot at 2870', and pulled 87 joints (2865'1") of 5½"OD, 14#, 8R thd., R-2 & 3, J-55, E.U.E. and S.S. casing (8 cond.). Finished plugging the well as follows:

25 sacks of cement	2953' to 2753'
Mud laden fluid	2753' to 300'
25 sacks of cement	300' to 233'
Mud laden fluid	233' to 60'
25 sacks of cement	60' to 6'
Surface soil	6' to 0'

Plugged and abandoned July 8, 1954.

SLOPE TEST DATA: Tests were taken at 500', 1000', 1500', 1750', 2000', and 2500' with no deviation from vertical noted.

WATER ANALYSIS

Sample No. 6150 Date Received: 5/21/54 Date Completed: 5/25/54

	PPM
Dissolved Solids.	180,635
Chlorides as Cl	103,898
Chlorides as NaCl	171,259
Sulfates as SO_4	3,356
Sulfates as $CaSO_4$	4,759