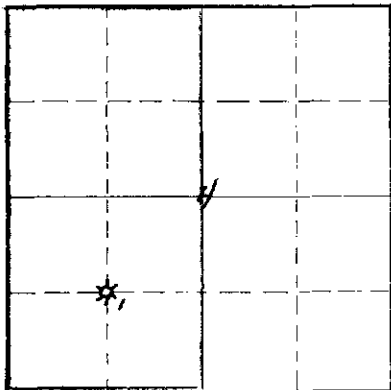


STATE OF KANSAS
STATE CORPORATION COMMISSION

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

WELL PLUGGING RECORD

BARBER County. Sec. 4 Twp. 33S Rge. (E) 12 (W)
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines C. 5N/4
Lease Owner Skelly Oil Company
Lease Name Boggs "B" Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Gas
Date well completed May 20, 19 49
Application for plugging filed Nov. 10, 19 49
Application for plugging approved Nov. 14, 19 49
Plugging commenced Nov. 23, 19 49
Plugging completed Dec. 3, 19 49
Reason for abandonment of well or producing formation Gas declined to extent well not considered a commercial producer
If a producing well is abandoned, date of last production Not produced 19
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Flat

Name of Conservation Agent who supervised plugging of this well Mr. C. D. Stough
Producing formation Simpson Sand Depth to top 4874' Bottom 4880' Total Depth of Well 4930' 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
Simpson Sand	Gas	4874'	4880'	8-5/8"	392' 0"*	None
				5-1/2"	4897' 9"	3362' 4"
*Casing in old hole						

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.

Wood plug 4850'

Chat 4850' to 4845'

5 sacks cement 4845' to 4805'

Chat 4805' to 4725'

5 sacks cement 4725' to 4685'

Mud laden fluid 4685' to 390'

Rock 390' to 380'

15 sacks cement 380' to 335'

Mud 335' to 30'

10 sacks cement 30' to 6'

Surface soil 6' to 0'

DEC 24 1949

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

Correspondence regarding this well should be addressed to Skelly Oil Company
Address Box 391
Hutchinson, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Mansley (employee of owner) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature)

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 23rd day of December, 19 49

Gaphine L. Johnson
Notary Public.

My commission expires April 7, 1951

4 33 100
103 41

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 NAME RODGE #1 WELL NO. 1

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....19.....				Date commenced..... October 3, 19 49			
Date completed.....19.....				Date completed..... October 3, 19 49			
Cleaned out from..... to..... T. D.....				Plugged back to from 4930' to 0' T. D. P & A			
Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....
Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....
Kind of tools used:.....				Kind of tools used: Cable			
Tools owned by:.....				Tools owned by: Lournoy Drilling Co.			

SHOT RECORD

Date	10/14/49	10/27/49	11/3/49	11/6/49
Size shot	20 Qts.	1000 gals. xx	3000 gals. xx	1000 gals. xx
Shot between	4878 Ft. and 4864 Ft.	4824 Ft. and 4841 Ft.	4824 Ft. and 4841 Ft.	4734 Ft. and 4762 Ft.
Size of shell	2 3/4"			
Put in by (Co.)	Indep.-Eastern	Halliburton	Halliburton	Halliburton
Length anchor		20%	20%	20%
Distance below casing				
Damage to casing or casing shoulder				

CHANGES IN CASING RECORD

SIZE	Wt.	Thd.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
5 1/2" OD	14	9R		115	3362	4	11	335	2	J55 R2			
5 1/2" OD	15 1/2	9R	4860'				38	1200	3	J55 R2			
(5 1/2" casing perforated from 4824'-41' with 104 holes, 4734'-62' with 166 holes)													

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

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

REMARKS (Give review of work accomplished and any other comment of interest) *** Although this well was completed on May 20, 1949, for 2,030 M.C.F. of gas, this volume declined to the extent that the well was not considered economical/profitable, therefore, the well was reconditioned, during which time the gas volume continued to decline to 312 M.C.F., and the well was plugged and abandoned.**

(Use reverse side for continuation of remarks and for formation record).

Superintendent.

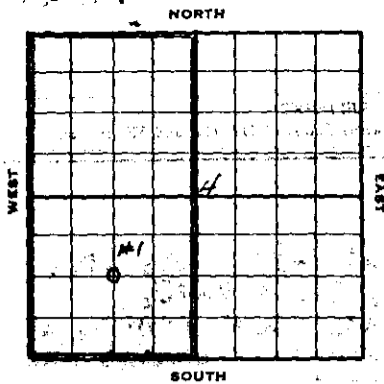
FILE SEC 4 T 33 R 120
BOOK PAGE 123 LINE 41

REMARKS (Continued).....
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RECORD OF FORMATIONS

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



Well Record

Lease Name and No. **230434** Well No. **1** Elev. **1590'**
 Lease Description **1/2 of Section 4, and the NW/4 of Section 9-33-42, Barber County, Kansas**
 Location made **December 13, 1945** by **Barber County Engineer**
 feet from North line **1320** feet from East line **30/4**
 feet from South line **1320** feet from West line of **300.4**
 Work com'd **Dec. 19, 45** Rig com'd **Dec. 21, 45** Drig. com'd **Dec. 24, 1945** Drig. comp'd **Feb. 24, 46**

Rig Contractor **Russ Drilling Company**
 Drilling Contractor **Russ Drilling Company, Tulsa, Oklahoma**
 Rotary Drilling from **Top** to **4482'** Cable Tool Drilling from **4482'** to **4560'**
 Commenced Producing **1946** Initial Prod. before shot or acid **150 MCF w/ 11. show oil** Bbls.
Tested 6 hrs., 3 gal. oil Bbls.
per hr. w/ slight show of gas.
 Dry Gas Well Press. _____ Volume _____ Cu. ft.
 Casing Head Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (**3-5/8" x 51" OD**) Gas Pressure _____ Volume _____ Cu. ft.
 Braden Head (_____ Size _____) Gas Pressure _____ Volume _____ Cu. ft.

PRODUCING FORMATION _____ (Name) _____ Top _____ Bottom _____ TOTAL DEPTH **4560'**

CASING RECORD

Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	CEMENTING Method Employed
				Jts.	Feet	In.	Jts.	Feet	In.				
3-5/8"	28	8H	395'				13	392'	0	140 K2 03	200	Halliburton	
3-1/2"	17	8H	4482'				142	4305'	0	140 K2 03	200	Halliburton	
(3-5/8" casing set 6' in collar and 3-1/2" casing added to barrier floor)													
(Used a combination 3" of Baker pipe and 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

Date	FIRST		SECOND		THIRD		FOURTH	
	Date	Acid Used	Date	Acid Used	Date	Acid Used	Date	Acid Used
February 1, 1946	1000	Feb. 2, 1946	2000	Feb. 7, 1946	30			
	GAL		GAL		Gals.			
	Qts.		Qts.		Qts.			
					4482'	4472'		

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Landing Line	3918'						
Mississippi Line	4468'		4469	4482	4468	4477	medium porosity
							Packer open 1 hr. 441 MCF

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						" " " " "

PLUGGING
 FILE SEC **4 T 33 R 12U**
 BOOK PAGE **125** LINE **14**

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Sand	0	100	
Shale	100	200	
Shale and Red Sand	200	400	Set and cemented 3-1/2" OD, 17 1/2' 8 round threaded, Grade N-40, Range 2, Seamless Steel casing at 376' with 200 sacks of cement and 8 sacks of aquagel.
Shale and Shells	400	1205	
Anhydrite	1205	1240	
Shale and Shells	1240	1415	
Line	1415	1450	
Shale	1450	1570	
Shale and Shells	1570	1645	
Line	1645	2095	
Shale	2095	2137	
Sandy Line	2137	2300	
Line	2300	2500	
Shale	2500	2630	
Line	2630	2750	
Shale	2750	2860	
Line	2860	2940	
Shale	2940	3055	
Line	3055	3080	
Shale	3080	3150	
Line	3150	3295	
Shale	3295	3380	
Line	3380	3405	
Shale	3405	3725	
Line	3725	4025	TOP LANSING LINE 3725'
Shale and Line	4025	4080	
Line	4080	4185	
Line and Sand	4185	4215	
Line	4215	4295	
Line and Sand	4295	4325	
Line	4325	4465	
Shale and Line	4465	4468	TOP MISSISSIPPI LINE 4468'
Grey cherty and Cherty Dolomite	4468	4477	Medium porosity
Grey cherty Dolomite	4477	4482	Slight porosity

On January 18, ran Halliburton drill stem test with packer set at 4469', open 1 hour, gas gauged 441,000 cu. ft.. Pulled packer, showed 90' of gas cut mud and some oil.

Set and cemented 3-1/2" OD, 17 1/2' 8 round threaded, Grade N-40, Range 2 Seamless Steel casing at 4469' with 200 sacks of cement and 10 sacks of aquagel. Finished at 11:30 PM January 17, 1946.

While shut down waiting an cement to set, moved in and rigged up cable tool. On January 19, bailed hole dry and 3-1/2" casing tested OK. Loaded hole with water and drilled cement Add bottom plug. Ran 2" tubing and swabbed well in, light show of oil. Flowed through tubing 4 hours to clean up hole and gas gauged 430 cu. ft. with light show of oil.

On February 1, acidized with 1000 gallons of Dowell 7-1/2" acid as follows:

ACID TREATMENT NO. 1 - Between 4469' and 4482'
 Treatment set in February 1, 1946, by Dowell Inc., using 1000 gallons acid and 125 barrels of water to fill hole and to flush:

TIME	OP	WATER	REMARKS
10:10 AM	1000	1000	Hole filled with 107 barrels of water
10:13 AM	75	225	Start acid in hole
10:27 AM	200	100	756 gallons of acid in, on bottom
10:35 AM	190	700	777 gallons of acid in hole
10:43 AM	650	325	966 gallons of acid in hole
10:47 AM	690	325	1000 gallons of acid in hole
10:55 AM	600	225	3 barrels of water in to flush
11:13 AM	626	685	15 barrels of water in to flush
11:20 AM	625	625	18 barrels of water in to flush and complete treatment

After acid treatment swabbed through 2" tubing to unload hole, gas estimated 75,000 cu. ft. with very little oil. Pulled and reran 2" tubing, jacked formation with 2000 gallons of Dowell 7-1/2" acid from 4469' to 4482', TP-1000%. Pulled tubing, cleaned out and bailed hole dry, very little gas showing.

On February 7, shot with 30 quarts of nitro-glycerin (4" shell) from 4482' to 4478'. Landed shot with 150' of Joplin chat. On February 11, while cleaning out hole, gas blew tools up hole and parted the line. Recovered tools and cleaned out to 4478', then on February 13, swabbed out water used to load hole and tested 6 hrs.

This well was plugged and abandoned September 29, 1947, and on March 23, 1949, moved in and rigged up rotary tools of Charles Hulse Drilling Company and opened up the old hole and deepened as follows:

Drilled out cement plug in 8-5/8" OD casing and washed and cleaned out to 3401', top of 5 1/2" OD casing left in hole. On March 29, set cement plug of 60 sacks of cement and 1 sack of calcium chloride from 3401' to 3515'. Drilled 3515' to 3401' and ran SLM. Correction: 3401' equals 3411' SLM (top of 5 1/2" casing in hole).

Set cement plug of 75 sacks cement and 1 sack of calcium chloride from 3411' to 3245'. Drilled cement plug to 3275' and conditioned hole and mud. Set knuckle joint at 3290' and started deflecting hole. Slope test at 3308' showed 4-1/2 degree deflection. Ran pilot reamer and reamed from 3290' to 3308', then slope test showed 5 degree deflection. Ran bit and drilled to 3340' and slope test showed 6 degrees. Drilled to 3352' and slope test showed 1-3/4 degree deflection. Reamed and drilled to 3384' and test showed 2-3/4 degree deflection. Drilled to 3414' and slope test showed 1-3/4 degrees.

Drilled:

Shale	3411	3490
Shale and lime	3490	3535
Shale	3535	3710
Shale and lime	3710	3767
Sand, light and fine	3767	3786

1-3/4 degree deflection

TOP DOUGLAS SAND 3765'

Ran Halliburton drill stem test with packer set at 3767', open 30 minutes and recovered 40' of muddy water.

Sand and shale	3786	3805
Sand and lime	3805	3825

Ran Halliburton drill stem test with packer set at 3808', open 30 minutes, recovered 2 gallons of mud, no oil, gas, or water.

Reran Halliburton tester and set packer at 3808', open 30 minutes, recovered 2 gallons of mud, no oil, gas, or water.

Sand and shale	3825	3857
Fine to medium grained sand w/ shale streaks	3857	3913
Buff, fine crystalline, slightly fossiliferous lime	3913	3920

TOP LANSHO LIME 3913'

Spotted stain

Ran Halliburton drill stem test with 70' of anchor with packer set at 3850', open 30 minutes, recovered 540' of mud and water.

Lime	3920	4110
Lime and shale	4110	4130
Lime	4130	4435
Lime and shale	4435	4560
Hard lime	4560	4590
Lime, chert and shale	4590	4615
Lime and shale	4615	4744

TOP MASSIEFFI LIME 4435'

TOP VIOLA LIME 4744'

Slight porosity, spotted oil stain and saturation.

Ran Halliburton drill stem test w/ packer set 4746', open 30 minutes, recovered 10' of mud.

Lime and shale	4777	4790
Lime	4790	4810
Lime and shale	4810	4850
Shale, lime and sand	4850	4860

TOP SIMPSON SHALE 4860'

Sand shows, light brown stain

TOP SIMPSON SAND 4874'

Fair porosity and gas stain

Green waxy shale with thin streaks of white fine grained sand	4880	4886
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Ran Halliburton drill stem test with packer set at 4859', open 30 minutes, gas gauged 4,063 M.C.F., BHP-1960f.

waxy green shale with thin streaks of grey medium grained sand	4886	4930
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No porosity, no show of oil or gas
Ran Schlumberger Survey

TOTAL DEPTH 4930'

Set and cemented 1200' of 5 1/2" OD, 15.5#, BR thd., J-55, R-2, S.S. casing (Lot #36), and 3697' of 5 1/2" OD, 14#, BR thd., J-55, R-2, S.S. casing at 4860' with 200 sacks of cement and 8 sacks of aquagel. Finished cementing at 5:50 p.m. 4/29/49.

On May 2, ran rotary bit on 2 1/2" SWS steel tubing and drilled cement plug with rotary tools. Removed bit and reran tubing and circulated hole clean to bottom. Started to swab well in and top welded casing coupling on 5 1/2" casing started leaking.

Released hole with water and repaired leaky couplings. Swabbed well in and well started flowing through 1 1/2" casing, gas gauged 4,500 M.C.F. Unable to get well to flow through tubing. Released hole with water, pulled tubing, and found perforations plugged with shale. Re-set tubing with perforations 60' off bottom. Swabbed well in through 2 1/2" tubing and gas gauged 3,537 M.C.F., shut-in CP-1375.

Shut in May 12, 11, and 12, shut-in CP-1364, TP-950. On May 13, flowed 3 hours in casing by hole and gas gauged 2,160 M.C.F., shut in CP-1250, TP-870. On May 14, flowed 2 hours to alkali hole and gas gauged 2,280 M.C.F., shut-in CP-1243, TP-885. Shut in May 15 and 16. On May 17, flowed 2 hours and gas gauged 2,160 M.C.F., shut-in CP-1175, TP-875. Shut in May 18 and 19, setting bottom hole pressure, shut-in CP-1175, TP-1150.

At 9:00 a.m. May 20, flowed through 1" casing 1 hour, gas gauged 2,160 M.C.F., at 1:00 p.m. shut-in CP-1175, TP-1000. Flowed 2 hours, gas gauged 2,000 M.C.F., bottom hole pressure 1150.

ALIVE WELL DATA
ANGLE OF DEFLECTION

DEPTH	ANGLE OF DEFLECTION
3300'	5 Degrees
3340'	6 "
3380'	1-3/4 "
3420'	2-3/4 "
3460'	1-3/4 "
3500'	2-1/2 "
3540'	2 "
3580'	2 "
3620'	2 "
3660'	1-1/2 "
3700'	1 "
3740'	1 "
3780'	1 "
3820'	1/2 "

ANALYSIS OF WATER

Shell Oil Company Laboratories, El Dorado, Kansas

Sample No. C-49-4-20

Marked: Water Sample #1, Wagon 75' lease, well No. 1, depth taken 3550' to 3920', taken by Floyd Kent, 4/12/49

Sample received 4/19/49

	Grains per Gallon	Parts per Million	Percent by Weight
Chlorides expressed as NaCl	10,800	184,874	15.45%
Chlorides expressed as Cl ₂	6,100.2	112,143	11.21%
Sulphates expressed as CaSO ₄	44.75	765.56	.076%
Sulphates expressed as SO ₄	31.50	567.17	.056%

Moved in and rigged up cable tools of Flournoy Drilling Company on October 3, 1949. Pulled 2½" tubing and set Lane-wells bridging plug at 4845'. Loaded hole with water and pressured to 1500', showed no leaks. Drilled up Lane-wells bridging plug and cleaned out to 4917'. On October 9, plugged back with sand from 4917' to 4896' and Dowell plastic from 4896' to 4891'. On October 11, ran Dowell Spinner Permeability Survey and Caliper Survey.

On October 12, bailed hole down and found gas volume too small to gauge. Bailed and tested 12 hours, no increase in gas. On October 13, cleaned out to 4890' and gas gauged 447 M.C.F. Loaded hole with water and on October 14, shot with 20 quarts of nitroglycerin in 2 - 3" shells from 4878' to 4864', using Zero Hour bomb. Shot was tamped with 50' of Cal-Seal and went off at 8:40 a.m. 10/14/49. During the next 7 days cleaned out after shot to 4876' with gas gauging 324 M.C.F. Cleaned out to 4890' and gas gauged 324 M.C.F. Drilled plastic plug and cleaned to 4900' and gas gauged 300 M.C.F., which declined to 312 M.C.F. during the next three days.

Cleaned out to 4928' and on October 26, perforated 5½" casing from 4824' to 4841' with 104 holes by Lane-wells, no shows. On October 27, ran 2½" tubing with Yowell tool, bottom packer set at 4850', top packer at 4813', then treated with 1000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 1 - Between 4824' and 4841'

Treatment put in 10/27/49 by Halliburton, using 1000 gallons of acid and 30 barrels of water to flush.

TIME	CP	TP	REMARKS
2:00 pm			Start acid down tubing
2:06 pm		800	Tubing loaded, start water flush
2:07 pm		800	60 gallons acid in formation
2:10 pm		800	400 gallons acid in formation
2:15 pm		650	755 gallons acid in formation
2:18 pm		600	1000 gallons acid in formation
			Flushed hole with 30 barrels water and treatment completed

After acid treatment, swabbed out water used in treating, then swabbed 10 hours, 1/2 barrel water with light scum of oil per hour. On October 28, swabbed through 2½" tubing 2 hours, 1/2 barrel of water and scum of oil per hour.

On November 2, ran bailer and found 600' of oil and water in hole. Swabbed hole down, then swabbed 5 hours, 1/2 barrel of oil and 1/2 barrel of water per hour off bottom. On November 3, ran 2½" tubing with Halliburton Yowell tool and set top packer at 4813' and bottom packer at 4849' and treated with 3000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 2 - Between 4824' and 4841'

Treatment put in 11/3/49 by Halliburton, using 3000 gallons of 20% acid and 30 barrels of water to flush.

TIME	CP	TP	REMARKS
1:22 pm			Start acid down tubing
1:30 pm		400	Acid on bottom
1:35 pm		400	1000 gallons acid in formation
1:47 pm		400	2000 gallons acid in formation, start flush
1:52 pm		500	3000 gallons acid in formation
			Flushed with 30 barrels of water and treatment completed.

Pulled 2½" tubing and swabbed out through 5½" casing water used in treating; then swabbed 16 hours, 5 barrels of oil and 22 barrels of water.

On November 5, perforated 5½" casing from 4734' to 4762' with 166 holes by Lane-wells, no shows. Ran 2½" tubing with Halliburton Yowell tool, set bottom packer at 4770' and top packer at 4720', then treated with 1000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 4734' and 4762'

Treatment put in 11/6/49 by Halliburton, using 1000 gallons of acid and 30 barrels of water to flush.

TIME	CP	TP	REMARKS
12:05 pm			Set tool
12:10 pm			Start acid down tubing
12:15 pm			1000 gallons of acid in tubing, start flush
12:16 pm		500	Tubing loaded, acid on bottom
12:17 pm		Vac.	200 gallons acid in formation
12:19 pm		Vac.	600 gallons acid in formation
12:21 pm		Vac.	1000 gallons acid in formation
12:22 pm		Vac.	Flushed hole with 30 barrels of water and treatment completed

Pulled tubing and swabbed through 5½" casing 12 hours, 5 barrels of oil and 7 barrels of water. On November 8, swabbed through 5½" casing 24 hours, 3 barrels of oil and 16½ barrels of water. At this time cable tools were moved out and regular authority granted to plug and abandon the well.

On November 23, rigged up machine to plug and abandon. Set wood plug at 4850', plugged back with chat from 4850' to 4845', 5 sacks of cement from 4845' to 4805', chat from 4805' to 4725', 5 sacks cement from 4725' to 4685'. Shot 5½" casing off at 3285' and pulled 3362' (115 lbs.) of 5½" OD, 14½, 8R thd., R-2, J-55, S.S. casing. Plugged back with mud laden fluid from 4685'

to 390'. Filled hole with rock from 390' to 380', 15 sacks of cement -
from 380' to 335', and laden fluid from 335' to 30', 10 sacks of cement
from 30' to 6', and surface soil from 6' to 0'.

Plugged and abandoned December 3, 1949.