

STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

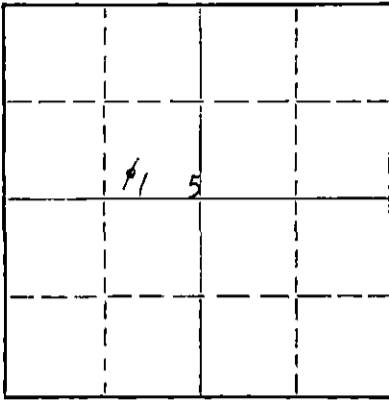
Give All Information Completely
Make Required Affidavit
Mail Or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

Pratt

County. Sec. 5 Twp. 26S Rge. (E) 14 (W)

Location as "NE/CNW/SW" or footage from lines. SW/4 SE/4 NW/4
Lease Owner. Skelly Oil Company
Lease Name. Anna Lacey Well No. 1
Office Address. 1860 Lincoln Street, Denver, Colorado 80203
Character of Well (completed as Oil, Gas or Dry Hole) Oil - Gas
Date well completed. September 26 19 55
Application for plugging filed. October 19 19 67
Application for plugging approved. October 20 19 67
Plugging commenced. November 8 19 67
Plugging completed. November 10 19 67
Reason for abandonment of well or producing formation. Gas depleted
Uneconomical to work over
If a producing well is abandoned, date of last production. June 30 19 67
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

NORTH



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. A. Elving
Producing formation Toronto Lime Depth to top Bottom Total Depth of Well 4050 Feet
Show depth and thickness of all water, oil and gas formations. PB 3769'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Lansing Lime	Oil	3957'	3968'	8-5/8"	932'	None
Toronto Lime	Gas	3608'	3616'	5-1/2"	4081' 9"	2812'

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.

Fill up (SLM)	3769' to 3765'
Sand	3765' to 3575'
20 sacks of cement	3575' to 3416'
Mud	3416' to 350'
Rock	350' to 340'
20 sacks of cement	340' to 280'
Mud	280' to 40'
Rock bridge	40' to 30'
10 sacks cement	30' to Base of cellar
Surface soil	Cellar to surface

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DEC 4 1967
CONSERVATION DIVISION
WICHITA, KANSAS

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor. Knight Casing Pulling Company
Address. P. O. Box 304, Chase, Kansas 67524

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, Colorado 80203
(Address)

SUBSCRIBED AND SWORN TO before me this 1st day of December, 19 67

My commission expires June 17, 1970
Notary Public.

SKELLY OIL COMPANY

NORTH											
SOUTH											

Well Record 2017 ED
2014 UF
2009 ER

Lease Name and No. **Anna Lacey** Well No. **1** Elev. **2009' ER**

Lease Description **So 80 acres of NW/4 Section 5-26-14W, Pratt County, Kansas (80 Acres)**

Location made **August 18, 1955** by **T. L. Dix**

feet from North line **990** feet from East line **110/4**

feet from South line **330** feet from West line of **Sec. 5**

Work com'd **8/19 1955** Rig com'd **8/20 1955** Drlg. com'd **8/20 1955** Drlg. com'd **9/2 1955**

Rig Contractor **Chas. Hulme Drilling Contr.**

Drilling Contractor **Chas. Hulme Drilling Contr., Great Bend, Kans.**

Rotary Drilling from **0'** to **4050'** Cable Tool Drilling from **To complete** to

Commenced Producing **Sept. 26, 1955** Initial Prod. before shot of acid **8 gal. oil per hr.** Bbls

Initial Prod. after shot of acid **POB 3 hrs. 27.17 BO BW** Bbls

to estab. 24 in. CG potential 52 bbls.

Dry Gas Well Press. Volume Cu.

Casing Head Gas Pressure Volume Cu.

Braden Head (8-5/8" Size 154" OD) Gas Pressure Volume Cu.

Braden Head () Gas Pressure Volume Cu.

PRODUCING FORMATION **Lansing Lime** Top **3957'** Bottom **3968'** TOTAL DEPTH **4050'** PB **3969'**

CASING RECORD

OD Size	Wt.	Thds.	Where Set	RULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
8-5/8"	227	30	940				24	932	0	TRACO	A	500	Halliburton
5-1/2"	145	8R	4050'				127	4081	9	J55 R2 52	A	150	Halliburton
(8-5/8" casing set 3' in collar and 52" cased to derrick floor)													
52" casing perforations open below bridging plug at 3972' : 3979'-3984'													
with 60 holes													
52" casing perforations open above bridging plug at 3972' : 3957'-3968'													
with 66 holes													

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	9/10/55	9/11/55	9/12/55	
Acid Used Size Shot	250 Gals. Qts.	1000 Gals. Qts.	2250 Gals. Qts.	Gals. Qts.
Shot Between	3957 Ft. and 3968 Ft.	3957 Ft. and 3968 Ft.	3957 Ft. and 3968 Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Halliburton	Halliburton	Halliburton	
Length anchor				
Distance below Cas'g.				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Topoka Lm	3290'						
Hecbner shale	3591'						
Lansing Lime	3777'				3957'	3968'	

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
Surface soil and sand	0	255	
Red clay	255	645	
Shale and shells	645	930	
Anhydrite	930	940	
			Set and cemented 5 1/8" casing, 25.7'.
			of common cement and 2% Cel.
			of Pozzic cement, 2% Cel, and 1% calcium chloride followed by 250 sacks of common cement, 2% Cel and 1% calcium chloride, cement circulated.
Anhydrite	940	950	
Shale and shells	950	1870	
Lime	1870	2130	
Lime and shale	2130	2580	
Shale and shells	2580	2700	
Lime and shale	2700	2990	
Lime	2990	3090	
Lime and shale	3090	3210	
Lime	3210	3950	

FORMATION	TOP	BOTTOM	REMARKS
Cryst. fine crystalline lime w/ oolitic porosity	3950	3959	
Gray and tan fine crystalline lime, fair oolitic and oolitic porosity	3959	3971	
Lime	3971	3972	
Lime	3972	4030	

Non Halliburton drill stem test, packer set at 3950', used 22' anchor, open 1 hour, good flow of oil throughout test, recovered 1260' of gas, 75' of slightly oil and gas cut mud, initial flow 32, final flow 63, 590' in 20 minutes.

Set and cemented 5 1/8" casing, 14', 14' casing, 2050' with 150 sacks of common cement and 2% Cel. Finished cementing at 7:30 p.m. 9/2/55. Non Halliburton temperature survey and found top of cement behind 5 1/8" casing at 3000'.

Rigged up cable tools, swabbed and bailed the hole dry and 5 1/8" casing tested dry on September 9. Bailed and cleaned out to 4009' T.M. Perforated 5 1/8" casing from 3979' to 3984' with 30 holes by Lane-wells; bailed and tested 2 hours, no shows. Tried to acidize through 5 1/8" casing with 200 gallons of Halliburton HCl acid, used 95 barrels of oil to flush, maximum CP-2750; time 1 hour, and formation would not take acid. Run ball valve bottom and pressured casing to 2750 and formation still would not take acid. Reperforated 5 1/8" casing from 3972' to 3978' with 30 holes by Lane-wells. No shows. Re pressured 5 1/8" casing to 2750 and formation still would not take acid.

On September 10, swabbed hole dry and 5 1/8" casing tested dry. Set Baker bridging plug at 3972', then plugged back with 1/2 gallon of rock and 1/4 sack of Cel-cel from 3972' to 3959'. Bailed and tested 2 hours and 5 1/8" casing tested dry. Perforated 5 1/8" casing from 3957' to 3958' with 56 holes by Lane-wells; bailed and tested 2 hours, 6 gallons of oil per hour. Treated through 5 1/8" casing with 250 gallons of Halliburton HCl acid as follows:

Treatment put in 9/10/55 by Halliburton, using 250 gallons of acid and 109 barrels of oil to flush.

DATE COMPLETED	TIME COMPLETED	REMARKS
5:32 p.m.		Start acid
6:03 p.m.	1000	Start flush
6:16 p.m.	1100	Acid on bottom
6:42 p.m.	1100	Acid out
		Flush completed

Swabbed through 5 1/8" casing 2 hours, 109 barrels of oil used in treating and 6 barrels of acid water. Swabbed 2 hours, 7 1/2 barrels of oil and no water. On September 11, swabbed through 5 1/8" casing 2 hours, 5 1/2 barrels of oil and no water. Treated through 5 1/8" casing from 3957' to 3958' with 1000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3957' and 3968'

Treatment put in 9/11/55 by Halliburton, using 1000 gallons of acid and 110 barrels of oil.

TIME	CP	TP	REMARKS
10:21 am			Start acid
10:27 am			Start flush
10:43 am	750'		Acid on bottom
10:58 am	700'		500 gallons of acid in
11:15 am	650'		1000 gallons of acid in

Completed 9/11/55
 DEC 5 1955

Swabbed through 5 1/2" casing 2 hours, 110 barrels of oil used in treating and 24 barrels of acid water. Swabbed 14 hours, 49 barrels of formation oil and 3 barrels of water. On September 12, treated with 2000 gallons of Halliburton HV acid and 250 gallons of 15% non-emulsifying acid as follows:

ACID TREATMENT NO. 3 - Between 3957' and 3968'

Treatment put in 9/12/55 by Halliburton, using 2250 gallons of acid and 110 barrels of oil.

TIME	CP	TP	REMARKS
12:33 pm			Start acid
12:45 pm			Start load
12:51 pm	0'		Acid on bottom
1:21 pm	0'		Acid out
1:27 pm	0'		Treatment completed

Swabbed through 5 1/2" casing 6 hours, 110 barrels of oil used in treating and 54 barrels of acid water; then swabbed 7 1/2 hours, 60 barrels of formation oil and no water. On September 13, swabbed through 5 1/2" casing 3 hours, 15 barrels of oil and no water. Ran 2" tubing to 3967', ran rods, and shut down to install pumping equipment.

DATE	HOURS PUMPED	BARRELS OIL	BARRELS WTR.	REMARKS
9-16-55	14	38	0	
9-17-55	24	65	0	
9-18-55	24	65	0	
9-19-55	24	63	11	
9-20-55	24	63	11	
9-21-55	24	42	9	
9-22-55	24	23	5	
9-23-55	24	43	9	
9-24-55	8	15	3	

On September 26, PWB 8 hours on State Corporation Commission physical potential test, 27.17 barrels of oil and 1/2 barrel of water to establish 24 hour S.C.C. potential of 82 barrels. Allowable 25 barrels per day.

TOTAL DEPTH 4050' PB 3969'

DEPTH	DIP/TWIST DATA	
	ANGLE OF DEFLATION	
275'	1/2	Degree
500'	0	"
750'	0	"
900'	1/2	"
1400'	1	"
2000'	1	"
2450'	0	"
3210'	3/4	"
3601'	1	"

ACID TREATMENT NO. 2 - Between 3957' and 3968'

Treatment put in 9/11/55 by Halliburton, using 1000 gallons of acid and 110 barrels of oil.

<u>TIME</u>	<u>GP</u>	<u>TP</u>	<u>REMARKS</u>
10:21 am			Start acid
10:27 am			Start flush
10:43 am	750'		acid on bottom
10:58 am	700'		500 gallons of acid in
11:15 am	850'		1000 gallons of acid in

Swabbed through 5 $\frac{1}{2}$ " casing 2 hours, 110 barrels of oil used in treating and 24 barrels of acid water. Swabbed 14 hours, 49 barrels of formation oil and 3 barrels of water. On September 12, treated with 2000 gallons of Halliburton HV acid and 250 gallons of 15% non-emulsifying acid as follows:

ACID TREATMENT NO. 3 - Between 3957' and 3968'

Treatment put in 9/12/55 by Halliburton, using 2250 gallons of acid and 110 barrels of oil.

<u>TIME</u>	<u>GP</u>	<u>TP</u>	<u>REMARKS</u>
12:33 pm			Start acid
12:45 pm			Start load
12:51 pm	0'		Acid on bottom
1:21 pm	0'		Acid out
1:27 pm	0'		Treatment completed

Swabbed through 5 $\frac{1}{2}$ " casing 6 hours, 110 barrels of oil used in treating and 54 barrels of acid water; then swabbed 7 $\frac{1}{2}$ hours, 60 barrels of formation oil and no water. On September 13, swabbed through 5 $\frac{1}{2}$ " casing 3 hours, 15 barrels of oil and no water. Ran 2" tubing to 3967', ran rods, and shut down to install pumping equipment.

<u>DATE</u>	<u>HOURS</u> <u>PG PROD</u>	<u>HLDF.</u> <u>OIL</u>	<u>WTR.</u> <u>WTR.</u>	<u>REMARKS</u>
9-16-55	14	38	0	
9-17-55	24	65	0	
9-18-55	24	65	0	
9-19-55	24	63	11	
9-20-55	24	63	11	
9-21-55	24	42	9	
9-22-55	24	23	5	
9-23-55	24	43	9	
9-24-55	8	15	3	

On September 26, PGB 8 hours on State Corporation Commission physical potential test, 27.17 barrels of oil and 1/2 barrel of water to establish 24 hour S.C.C. potential of 82 barrels. Allowable 25 barrels per day.

TOTAL DEPTH 4050' PB 3969'

SIGHT TEST DATA

<u>DEPTH</u>	<u>ANGL. OF DEFLECTION</u>
275'	1/2 Degree
500'	0 "
750'	0 "
900'	1/2 "
1400'	1 "
2000'	1 "
2450'	0 "
3210'	3/4 "
3801'	1 "

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 Anna Lacey
 SEC. 5 T. 26S R. 14W
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Platte
 COUNTY Pratt AFE NO. 55723
 STATE Kansas

TYPE OF WORK RECOMPLETE IN TORONTO

Date commenced November 3, 19 64 Date completed January 7, 19 65
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3959' to 3769' P.B.T.D. 3769'
 Cleaned out from _____ to _____
 Production before 2.9 bbls. oil 0 bbls. water -- cu. ft. gas.
 Production after -- bbls. oil 0 bbls. water 2,900,000 cu. ft. gas.
 Tools owned by: Yost Drilling Company Kind used: Cable No. days rig time: 6
Pratt Well Service Revised Estimated Payout (Mos.) Pulling Unit
 Cost of Job \$ _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>11/5/64</u>	<u>Acid</u>	<u>3805'-3810'</u>	<u>1000 gals. 15% CRA</u>

CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		REMARKS
			Sacks Used	Top Cem't. B'd. Casg.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT					
					Jts.	LTM		WTM		Jts.	LTM		WTM	
						Feet	In.	Feet	In.		Feet	In.	Feet	In.
<u>5 1/2" casing perforations open:</u>														
<u>Above PB TD: 3608'-3616'/24 holes</u>														
<u>Below PB TD: 3979'-3984'/50 holes</u>														

PRODUCING FROM

TORONTO LIME FORMATION thru OPEN-HOLE PERFORATIONS 3608' TOP 3616' BOTTOM Total No. Shots 24

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

November 3, 1964, moved in and rigged up cable tools of Yost Drilling Company. Pulled rods and tubing.

Ran Lane-Wells Collar Correlation Log from 3500' to 3968'.

PERFORATION JOB NO. 3 - Lansing-Toronto - 3608'-16" and 3805'-10"
 5 1/2" casing perforated with 3 Type "B" holes per foot by Lane-Wells:

3805'-3810' - 5' - 15 holes - Swbd to 3850', no shows
 3608'-3616' - 8' - 24 holes - Gas to surface immediately, gauged
13' 39 6,640 MCFPD

SI 12 hours, SI CP-1100%. Loaded hole with 135 barrels lease oil and 20 barrels salt water. Ran 2" tubing with Halliburton RTTS packer and retrievable bridge plug. Set bridge plug at 3836' and set packer at 3786'. Swabbed 1 hour through 2" tubing, 15 barrels load oil; then swabbed 1 hour, no recovery.

TREATMENT NO. 4 - (Acid) - 3805'-3810'
 11/5/64 treated through tubing by Howco with 1000 gallons of 15% CRA acid, maximum pressure 2000#, minimum pressure 1000#, time 27 minutes, average injection rate 1 barrel per minute, flushed with 18 barrels oil.

11/6/64 swabbed 1 hour through 2" tubing, 18 barrels load oil and well began to flow. Flowed 4 hours through 2" tubing, 4 1/2 barrels acid water, gas gauged 1,250 MCF per day. Loaded hole with 20 barrels oil.

Started pulling 2" tubing, packer, and bridge plug, and well began to flow. Loaded hole with 38 barrels oil and 50 barrels salt water and finished pulling tubing, packer and bridge plug.

Set Baker Model "D" retainer packer with Baker Model "B" expandable plug set at 3665'.

Ran 118 joints of 2" EUE tubing and set at 3655' with tubing perforations at 3643'. Swabbed 1 hour through 2" tubing, 20 barrels load water and 5 barrels load oil and well began to flow. Flowed 1 hour through 2" tubing, 30 barrels load water and 3 barrels load oil, gas too wet to gauge. Moved out cable tools 11/9/64.

SI 48 hours, CP-1240#, TP-1240#. 11/9/64 flowed 8 hours through 2" tubing, 20/64" choke, 9 barrels load oil, gas gauged 1,350 MCF per day.

SI 19 hours, SI CP-1240#, SI TP-1240#. 11/10/64 flowed 5 hours through 2" tubing, 20/64" choke, 2 1/2 barrels load oil, gas gauged 1,930 MCF per day, FTP-700#, FTP-850#.

SI 19 hours, SI CP-1240#, SI TP-1240#. 11/11/64 flowed 5 hours through 2" tubing, 20/64" choke, 2 barrels load oil, gas gauged 1,930 MCF per day, FTP-700#, FCP-850#. Shut-in to install tank battery.

12/5/64 moved in and rigged up pulling unit of Pratt Well Service Company and loaded hole with 90 barrels salt water. Pulled 2" tubing, reran 2" tubing with Baker Seal Assembly. Pushed out expandable plug at 3665'.

Cemented off perforations from 3957' to 3968' and 3805' to 3810' with 100 sacks of common cement, standing pressure 500#.

PLUGGED BACK TOTAL DEPTH 3769'

Reset 2" tubing open ended with Baker Seal Assembly at 3555'. Swabbed 1 hour through 2" tubing, 26 barrels load water.

12/6/64 swabbed 2 hours through 2" tubing, 31 barrels load water and well began to flow. Flowed 2 hours through 2" tubing, 30 barrels load water; then flowed 4 hours through 2" tubing, 20/64" choke, 4 barrels load water, gas gauged 2,060 MCF per day, FTP-575#, FCP-725#. Moved out double drum unit 12/6/64.

Flowed 5 hours through 2" tubing, 20/64" choke, 1 barrel load water, gas gauged 1,790 MCF per day, FCP-675#, FTP-600#.

January 7, 1965, ran 4-point test for calculated absolute open flow potential of 2,900 MCF gas, SI CP-1184#.

Well converted from oil to gas well producing from Toronto Line formation through casing perforations. Shut-in awaiting pipe-line connection.

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 Anna Lacey #55321
 SEC. 3 T. 26S R. 14W
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Rocky Mountain
 COUNTY Ft. Pratt AFE NO. 23227
 STATE KANSAS

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced November 8 19 67 Date completed November 10 19 67
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 3769' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before _____ bbls. oil _____ bbls. water Logged off cu. ft. gas.
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas.
 Tools owned by: Knight Casing Pulling Company Kind used; Pulling Unit No. days rig time; _____
 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. Casg.	
Production					
Liner					Top liner;

SIZE ^{OD}	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT				
					Jts.	LTM	WTM	INC.	Jts.	LTM	WTM	INC.	
<u>5-1/2"</u>	<u>11.4</u>	<u>02</u>	<u>J55 D2 96</u>	<u>D</u>	<u>32</u>					<u>32</u>	<u>0</u>	<u>32</u>	<u>12</u>

PRODUCING FROM

FORMATION _____ thru OPEN HOLE PERFORATIONS _____ TOP _____ BOTTOM _____ Total No. Shots _____

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

Tests indicated water was communicating behind the casing and logging off the gas. As the remaining reserves do not justify working over the well, regular authority was granted to plug and abandon it.

On 11/8/67 moved in and rigged up pulling machine of Knight Casing Pulling Co. Plugged the well as follows:

Fill Up (SIN)	3769' to 3765'
Sand	3765' to 3575'
20 sacks cement	3575' to 3416'

Shot 5-1/2" casing at 2936', 2790'. Pulled 88 joints (2811.96') of 5-1/2" casing.

Mud	3416' to 350'
Rock	350' to 340'
20 sacks cement	340' to 280'
Mud	280' to 40'
Rock bridge	40' to 30'
10 sacks cement	30' to Base of cellar
Surface soil	Cellar to Surface

Plugged and abandoned 11/10/67.

RECEIVED
STATE CORPORATION COMMISSION

DEC 4 1967

CONSERVATION DIVISION
Wichita, Kansas