

STATE CORPORATION COMMISSION

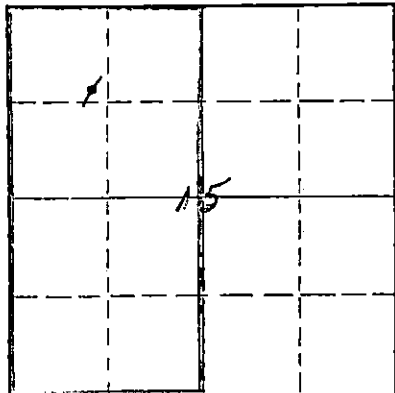
WELL PLUGGING RECORD

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

Meade County, Sec. 15 Twp. 34S Rge. (E) 27(W)

Location as "NE/CNW/SW" or footage from lines 1265' FNL 1265' FWL NW/4
Lease Owner Skelly Oil Company
Lease Name Charles Merkle Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed March 19, 19 63
Application for plugging filed March 19, 19 63
Application for plugging approved March 20, 19 63
Plugging commenced March 25, 19 63
Plugging completed March 29, 19 63
Reason for abandonment of well or producing formation Dry Hole

NORTH



Locate well correctly on above Section Plat

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. Hugh Scott
Producing formation Depth to top Bottom Total Depth of Well 6090 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Lansing Lime	Water	4660'		8-5/8"	1386'6"	None
Mississippian	Water	5970'		5-1/2"	4830'	4160'

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	6090' to 4760'
Sand	4760' to 4700'
2 sacks of cement	4700' to 4676'
Mud	4676' to 710'
Crushed rock	710' to 700'
35 sacks of cement	700' to 595'
Mud	595' to 55'
Crushed rock	55' to 45'
15 sacks of cement	45' to 6'
Surface soil	6' to Surf.

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CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor Ace Pipe Pulling Company
Address P.O. Box 304, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.
D. E. Smith (employee of owner) or (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) D. E. Smith

1020 No. Main St., Hutchinson, Kans.

(Address)

SUBSCRIBED AND SWORN TO before me this 16th day of April, 19 63

My commission expires April 7, 1967

Notary Public.



GARRETT-JONES INC.
WICHITA, KANSAS
DRILLERS WELL LOG

CHARLES MERKLE #1
NW/4 SECTION 15-34S-27W
MEADE COUNTY, KANSAS

COMMENCED: JANUARY 29, 1963
COMPLETED: MARCH 6, 1963

OPERATOR - SKELLY OIL CO.

DEPTH		FORMATION	REMARKS
FROM	TO		
0	420	CLAY	
420	1290	RED BED	
1290	1345	SHALE	
1345	1506	ANHYDRITE	RAN 43 LBS. 8-5/8 INCH CASING, SET @ 1386' W/ 400 SACKS CEMENT.
1506	1615	RED BED	
1615	2275	SHALE & SHELLS	
2275	2460	LIME SHALE	
2460	3075	LIME	
3075	3985	LIME & SHALE	
3985	4055	LIME	
4055	4215	SHALE & SHELLS	
4215	4790	LIME & SHALE	
4790	5925	LIME	
5925	5960	LIME & SAND	
5960	5980	LIME	
5980	6035	LIME - SHALE	
6035	6090	LIME	
6090	TD		RAN 4802' OF 5-1/2" CASING, SET @ 4800' W/ 150 SACKS CEMENT.

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Wichita, Kansas

I, E. E. HALL, CERTIFY THIS TO BE A TRUE AND CORRECT COPY OF THE DRILLER'S LOG FOR THE WELL DRILLED IN NW/4 SECTION 15-34S-27W, MEADE COUNTY, KANSAS, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

E. E. Hall

E. E. HALL

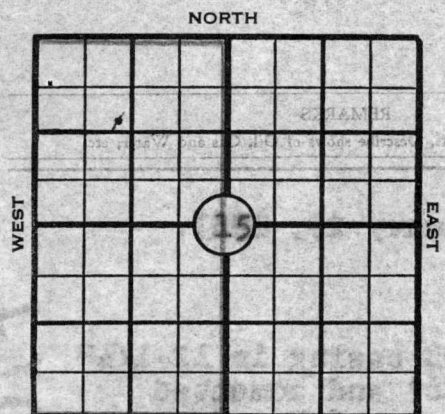
STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC WITHIN AND FOR SAID COUNTY AND STATE, ON THIS 8TH DAY OF MARCH, 1963, PERSONALLY APPEARED E. E. HALL TO ME PERSONALLY KNOWN TO BE THE IDENTICAL PERSON WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME AS HIS FREE AND VOLUNTARY ACT AND DEED FOR THE USES AND PURPOSES THEREIN SET FORTH.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND OFFICIAL SEAL THE DAY AND YEAR LAST ABOVE WRITTEN.

MY COMMISSION EXPIRES OCTOBER 2, 1963.

Vira A. McKenzie
VIRA A. MCKENZIE, NOTARY PUBLIC



SKELLY OIL COMPANY

Well Record

Lease Name and No. Chas. Merkle #76971 Well No. 1
 Lease Description W/2 Sec. 15, and E/2 Sec. 16-34S-27W, Meade County, Kansas (640 Acres)

Location Staked January 17, 1963 by Wixson & Seaman Eng. Co.
1265' feet from north line 1265' feet from west line
 of NW/4

Elev. K.B. 2382.5'
 Elev. G.L. 2374'

Drilling Contractor Gabbert-Jones, Inc., Wichita, Kans.
 Work Com'd. Jan. 27, 1963 Drilling Com'd. Jan. 29, 1963 Reached Total Depth March 3, 1963

Rotary Drilling from Surf. to 6090' Cable Tool Drilling from To complete to
 Well Completed March 19, 1963 Total Depth 6090' P.B.T.D. Surface

Initial Completion Test _____ 19_____
 Pressures: F.C.P. _____ F.T.P. _____ S.I.C.P. _____ S.I.T.P. _____

PRODUCING FROM

DRY HOLE

FORMATION	thru	OPEN HOLE PERFORATIONS	TOP	BOTTOM	Total No. Shots

CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		All Measurements were taken from top of Kelly Bushing which is <u>11 1/2</u> ft. from top of surface casing
			Sacks Used	Top Cem't Bh'd. Cas'g.	
Surface	<u>8-5/8"</u>	<u>1386'</u>	<u>400</u>	<u>Surface</u>	Flange Collar Top Liner:
Intermediate					
Production	<u>4-1/2"</u>	<u>4801'</u>	<u>150</u>	<u>4250'</u>	
Liner					

Size	Wt.	Thds.	Kind	Cond.	Jts.	LEFT IN				PULLED OUT				
						LTM		WTM		LTM		WTM		
						Feet	In.	Feet	In.	Feet	In.	Feet	In.	
<u>8-5/8"</u>	<u>24#</u>	<u>8R</u>	<u>J55 R2 SS</u>	<u>A</u>	<u>43</u>	<u>1374</u>	<u>6</u>	<u>1386</u>	<u>6</u>					
<u>4-1/2"</u>	<u>9.5#</u>	<u>8R</u>	<u>J55 R2 SS</u>	<u>A</u>	<u>20</u>	<u>666</u>	<u>0</u>	<u>670</u>	<u>0</u>	<u>128</u>	<u>4135</u>	<u>0</u>	<u>4160</u>	<u>0</u>

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	TOP	BOTTOM	GAS		OIL		REMARKS
			FROM	TO	FROM	TO	
Source: <u>Schlumberger</u>							RECEIVED STATE CORPORATION COMMISSION APR 17 1963 CONSERVATION DIVISION Wichita, Kansas
<u>Council Grove</u>	<u>3105'</u>						
<u>Toronto</u>	<u>4517'</u>						
<u>Lansing</u>	<u>4660'</u>						
<u>Marmaton</u>	<u>5357'</u>						
<u>Cherokee</u>	<u>5561'</u>						
<u>Morrow</u>	<u>5876'</u>						
<u>Sandstone</u>	<u>5936'</u>						
<u>Mississippian</u>	<u>5970'</u>						

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

WORKOVER RECORD

TYPE WORK	DATE COM'D.	DATE COMP.	Plugged back or Deepened		PROD. BEFORE	PROD. AFTER
			FROM	TO		

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Clay	0	725	Spudded January 29, 1963. Set 8-5/8"OD casing in 12-1/4" hole at 1386' and cemented with 400 sacks of Pozmix cement blended with 2% HA-5. Cement circulated.
Red bed	725	1290	
Shale and lime	1290	1350	
Shale	1350	1395	
Sand	1395	1506	
Red bed	1506	1615	
Shale and shells	1615	2000	
Lime and shale	2000	2275	
Lime	2275	2460	
Lime and shale	2460	3075	
Shale and shells	3075	4055	Top Council Grove 3105'
Lime and shale	4055	4215	Top Toronto 4517'
Lime and shale	4215	4741	Top Lansing Lime 4660'
Lime and shale	4741	4790	
Lime	4790	4965	
Lime and shale	4965	5035	
Lime	5035	5925	Top Marmaton 5357'
Lime and sand	5925	5935	Top Cherokee 5561'
Sand, white, fine grained with 5'-8' of porosity, good stain	5935	5950	Top Morrow 5876'
Lime and sand	5950	5960	Morrow Sandstone 5936'

CASING RECORD

FORMATION	TOP	BOTTOM	REMARKS
Lime	5960	6030	DRILL STEM TEST NO. 2 5861'-5960', open 10 mins. initial flow period, open 60 mins. 2nd flow period, good blow air throughout test, recovered 500' slightly gas cut muddy salt water and 2373' slightly gas cut salt water, IBHP-1927// 30 mins., IFP-570//, FFP-1490//, FBHP-1902// 30 mins. Top Mississippian Chester 5970'
Limestone, medium gray, fine crystalline and porosity	6030	6040	
Lime	6040	6090	
TOTAL DEPTH		6090'	Reached total depth 3/3/63.

Ran Schlumberger Gamma Ray, Sonic, Laterolog and Hole Caliper Surveys.

GEOLOGICAL FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Lime	6021'	51'	DRILL STEM TEST NO. 3 6021'-51' using straddle packers, open 60 minutes, initial flow period, weak blow of air for 26 mins., open 30 mins. second flow period, initial hydrostatic pressure 3140//, IBHP-32// 30 mins., IFP-20//, FFP-20//, FBHP-32// in 30 mins., final hydrostatic pressure 3105//, recovered 25' drilling mud.

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TREATMENT RECORD

FORMATION	TOP	BOTTOM	REMARKS
Lime	4786'	4881'	WIRE LINE TEST NO. 1 4786'-4881', tool open 90 mins. recovered 15,400 cc filtrate water, sampling pressure 50 psi, SIP-1890-1870 psi in 20-30 mins., HP-2750 psi.

OVERFLOW RECORD

FORMATION	TOP	BOTTOM	REMARKS
Lime	4726'	281'	WIRE LINE TEST NO. 2 4726'-281', tool open 60 mins. recovered 17,400 cc filtrate water and heavy scum oil (28°-29° gravity), SP-430 psi, SIP-1900-1900 psi 10-10 mins., HP-2700 psi.

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Wichita, Kansas

WIRE LINE TEST NO. 3

4726'-28 1/2', tool open 35 mins. recovered 16,000 cc filtrate water, 2,600 cc 28°-29° gravity oil, 2,000 cc muddy filtrate oil, 16,000 cc filtrate water, 10 cc sand, SP-180 psi, ISIP-1930 psi 36 seconds, FSIP-1930 psi on full tool, HP-2700 psi (rerun of test No. 2 with 12 gallon tank instead of 5-1/2 gallon tank).

Set 4 1/2" OD casing at 4801'. Mixed Midwest Corrosion Retarder with 200 barrels mud, 5# per barrel, followed with 500 gallons of Halliburton mud flush and cemented casing with 150 sacks of Halliburton salt saturated cement. Ran Halliburton Temperature Survey and found top of cement behind 4 1/2" casing at 4250'. Moved out rotary tools 3/8/63.

3/11/63 moved in cable tools, bailed and cleaned out to top of cement at 4760' SLM, 4 1/2" casing tested dry. Ran Lane-Wells Correlation and Collar Log.

PERFORATION JOB NO. 1 - (Lansing Lime) - 4725'-4728'

4 1/2" casing perforated with 4 holes per foot by Lane-Wells:

4725'-4728' - 3' - 12 "E" holes

Swabbed through 4 1/2" casing 1 hour, 10 barrels of water and 12 gallons of oil; then swabbed 1 hour, 9 1/2 barrels of water with scum of oil, no show of gas; swabbed 10 hours, 100 barrels of salt water with dead scum oil and very small show gas (water decreased from 10 barrels per hour to 6 barrels per hour).

TREATMENT NO. 1 - (Acid) - (4725'-4728')

3/13/63 treated through 4 1/2" casing by Halliburton with 150 gallons of 7 1/2% MCA acid, maximum CP-100#, minimum CP-0#, time 45 minutes, used 80 barrels oil, injection rate 3 gallons per minute.

Swabbed through 4 1/2" casing 1 hour, 45 barrels treating oil. March 14, swabbed through casing 5 hours, 28 barrels of treating oil and 101 barrels formation water with small trace of gas; swabbed 7 hours, 21 barrels formation water per hour with small trace of gas and oil per hour; swabbed 8 hours, 168 barrels water with slight scum oil and trace of gas.

Ran 2" tubing with RTTS packer, set packer at 4710'. Squeeze cemented off perforations from 4725'-28' with 75 sacks of salt saturated cement, TP-2500#. Unseated packer, circulated out 20 sacks of cement and cleaned out to 4740' with 200# back pressure. Reset RTTS packer at 4580', pressured 4 1/2" casing to 1500#, tested OK. Pulled tubing and packer.

Swabbed through 4 1/2" casing and cleaned out to 4760', casing tested dry.

PERFORATION JOB NO. 2 - (Lansing Lime) - 4727'

4 1/2" casing perforated with triple-frac notch cutter by McCullough:

4727' - 3 notches

Bailed 5 hours, no oil, water, or gas.

TREATMENT NO. 2 - (Acid) - 4727'

3/18/63 treated through 4 1/2" casing by Halliburton with 250 gallons of MCA acid, 80 barrels oil to fill and flush, maximum CP-1500#, minimum CP-Vac., time 2 hours 20 mins., injection rate 1.8 gallons per minute.

Swabbed 1 hour through 4 1/2" casing, 43 barrels treating oil; swabbed 4 hours, 33 barrels load oil and 70 barrels salt water; swabbed 4 hours, 84 barrels salt water (specific gravity 1.150) with slight scum of oil, trace of gas. Moved out cable tools March 19, 1963.

As there were no shows of oil or gas found in commercial quantities in drilling through the Mississippian, regular authority was granted to plug and abandon the well.

March 25, 1963, moved in plugging machine of Ace Pipe Pulling Company and plugged the well as follows:

Sand 4760' to 4700'
2 sacks of cement 4700' to 4676'

Shot off 4 1/2" casing at 4142' and pulled 4160' of 4 1/2" casing.

Mud 4676' to 710'
Crushed rock 710' to 700'

35 sacks of cement
 Mud
 Crushed rock
 15 sacks of cement
 Surface soil

700' to 595'
 595' to 555'
 555' to 45'
 45' to 6'
 6' to Surface.

Plugged and abandoned March 29, 1963.

CONSERVATION DISTRICT
 Wichita, Kansas

SLOPE TEST DATA

<u>DEPTH</u>	<u>ANGLE IN DEGREES</u>
500'	0
970'	1/2
1500'	1/4
2000'	1/2
2915'	1/4
3700'	3/4
3950'	1/4
4741'	1/4
5070'	3/4
5078'	3/4
5414'	1/4
5650'	1/4
5904'	1/4