

STATE OF KANSAS
STATE CORPORATION COMMISSION

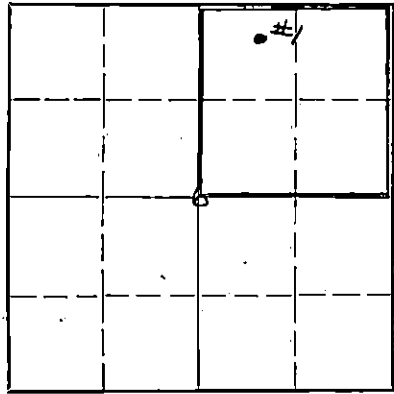
WELL PLUGGING RECORD

OR
FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging of formations.

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

Pratt County, Sec. 6 Twp. 27S Rge. (E) 12 (W)
Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$
Lease Owner Skelly Oil Company
Lease Name Helmke "C" Well No. 1
Office Address 210 Wolcott Building, Hutchinson, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed October 9 19 43
Application for plugging filed October 11 19 43
Application for plugging approved October 15 19 43
Plugging commenced October 27 19 43
Plugging completed November 1 19 43
Reason for abandonment of well or producing formation Dry Hole
If a producing well is abandoned, date of last production None 19
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well C. T. Alexander
Producing formation Depth to top Bottom Total Depth of Well 3946 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

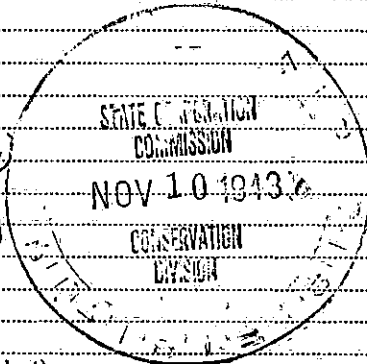
CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled Out
Lansing Lime	Sli. stain	3862	3866	8-5/8" OD	466' 3"	None
Simpson Dolomite	Por., stain	4210	4221	5-1/2" OD	4351' 3"	1603'
	Stained	4229	4238			
Arbuckle Lime	Por., stain	4313	4315			
	Sli. por. & saturation	54315	4316			

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 hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Mudded hole from 3946' to 3866'
Cemented with 4 sacks of cement 3866' to 3842'
Mudded hole from 3842' to 448'
Cemented with 20 sacks of cement 448' to 392'
Mudded hole from 392' to 20'
Cemented with 5 sacks of cement 20' to 6'
Surface soil and rock 6' to 0.

PLUGGING
FILE SEC 6T27R12W
BOOK PAGE 24 LINE 10



(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. Wamsley (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)

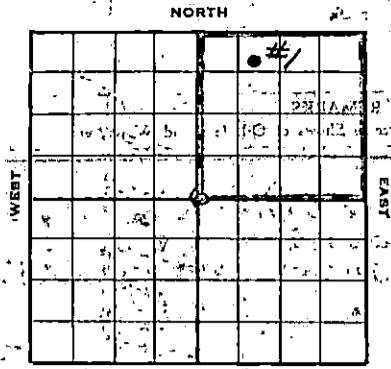
Box 391, Hutchinson, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 9th day of November, 19 43

My commission expires August 4, 1945.

Notary Public.

SKELLY OIL COMPANY



Well Record

Lease Name and No. Holmes "C" 10301 Well No. 1 Elev. 1897'

Lease Description Northeast Quarter (NE/4) of Section 6, Town-
ship 27 South, Range 12 West, Pratt County, Kansas

Location made June 29 1943 by Stafford County Engineer

554' feet from North line 766' feet from East line NE/4

June 30 1943 feet from South line July 5 1943 feet from West line of Sec. 6-27-12

Work com'd June 30 1943 Rig com'd July 5 1943 Drig. com'd July 5 1943 Drlg. comp'd Aug. 17 1943

Rig Contractor Ruso Drilling Company

Drilling Contractor Ruso Drilling Company, Tulsa, Oklahoma

Rotary Drilling from Top to 4315' Cable Tool Drilling from 4315' to 4318'

Commenced Producing Dry Hole 1943 Initial Prod. before shot or acid _____ Bbls.
Initial Prod. after shot or acid Dry Hole _____ 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 4318' PD
3946' TOTAL DEPTH

CASING RECORD

Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
8-5/8" OI	32	8V	448				16	446	3	Seamless	A	150	Halliburton
8-5/8" Casing			Range 2, Grade ?										
5-1/2" OI	14	8R	4313	52	1603	0	139	2748	3	Seamless	A	300	Halliburton
5-1/2" Casing			Range 1 & 2, Grade 1-40										
(8-5/8" Casing set (1' collar))													
(Used 1 - Halliburton Combination Guide & Float Shoe)													

Liner Set at _____ Length _____ Perforated at _____

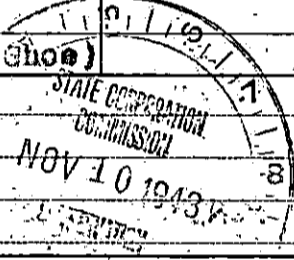
Liner Set at _____ Length _____ Perforated at _____

Packer Set at _____ Size and Kind _____

Packer Set at _____ Size and Kind _____

PLUGGING

FILE SEC 6 T 27 R 12 C



SHOT OR ACID TREATMENT RECORD

Date	FIRST		SECOND		THIRD		FOURTH	
	Date	Shot	Date	Shot	Date	Shot	Date	Shot
August 19, 1943	500	4315	August 21, 1943	1500	4315	August 29, 1943	750	4221
	Gals. Qts.	Ft.	Gals. Qts.	Ft.	Gals. Qts.	Ft.	Gals. Qts.	Ft.

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Lanning lime	3711				3862	3866	slight stain
Mississippi lime	4120						
Violet lime	4155						
Simpson shale	4200						
Simpson dolomite	4210				4210	4221	porous and slight stain
					4229	4230	stained
Articulate lime	4313				4313	4315	porous and stained
					4315	4316	sl. por. & saturation, some

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, sand and clay	0	210	
Hard beds	210	448	Set and cemented 3-1/8" OD, 32' range 2, 5-V thread, range 2, seamless steel casing at 448' with 150 sacks of cement.
Red bed	448	920	
Shale	920	975	
Shale and shells	975	1755	
Shale	1755	1775	
Line	1775	1960	
Shale	1960	1985	
Line	1985	2210	
Shale	2210	2245	
Sandy line	2245	2360	
Line	2360	2620	
Shale	2620	2730	
Line	2730	2815	
Shale	2815	2885	
Line	2885	3075	
Shale	3075	3210	
Line	3210	3630	
Shale	3630	3730	TOP LAMING LIME 3711'
Line	3730	3733	
Medium soft colitic lime	3733	3745	
Line	3745	3764	
Medium soft colitic lime	3764	3771	
Line	3771	3809	
Very soft colitic lime	3809	3829	No saturation
Line	3829	3835	
Very soft colitic lime	3835	3843	No saturation
Line	3843	3862	
Very soft colitic lime	3862	3866	Slight stain
Line	3866	3889	
Very soft colitic lime	3889	3901	No show oil
Line	3901	3908	
Very soft colitic lime	3908	3918	No show oil
Line	3918	4047	
Lime and shale	4047	4055	
Shale and chert	4055	4210	TOP MICHIGAN LIME 4120' TOP WOOD LIME 4153' TOP JIMSON LIME 4200' TOP WOLF LIME 4210'

Grey and brown sand and dolomite	4210	4221	Porous and slight stain
Grey shale and hard sand	4221	4229	
Medium soft porous grey sand	4229	4238	stained
Line	4238	4269	
Shale	4269	4289	
Dark grey shale	4289	4303	
Dark grey and brown sand, hard	4303	4308	
Grey shale with breaks of fine crystalline dolomite	4308	4313	
White chert and grey coarsely crystalline dolomite	4313	4315	TOP ARBUCKLE LIME 4313' - Porous and stained from 4313' to 4315'. Set and cemented 5-1/2" OD, 14' range 2, 5-V thread, grade 40 and 17' 11" range 2, 5-V thread, seamless steel casing at 4315' with 300 sacks of cement and 12 sacks of aquagel. Finished cementing at 11:30 AM July 30, 1943, and shut down for cement to set. Moved in and rigged up cable tools and balled the hole down on August 16, 1943. 3-1/2" OD casing tested OK. Drilled cement plug and cleaned out to bottom and cement job tested OK.

DRILLED			
Grey coarsely crystalline dolomite	4315	4318	Slight porosity and saturation, some oil
Same	4318	4319	Run 1 barrel of acid and shut down 2 hours for acid to act, then tested by bailer and had slight show of oil.

On August 18th ran 2" tubing and on August 19th treated with 500 gallons of "Dowell" "XX" acid as follows:

ACID TREATMENT NO. 1 - Between 4315' and 4318'			
Treatment put in August 19, 1943, by Dowell, Inc. using 500 gallons acid and 140 barrels of water to fill hole and to flush:			
TIME	DEPTH	REMARKS	
1:25 PM		Hole filled with 123 barrels water and started acid in	
1:45 PM	400'	230'	12 barrels acid (500 gallons) in hole and started water flush
2:35 PM	300'	235'	9 barrels of water in hole
2:49 PM	275'	275'	17 barrels of water in hole to complete water flush

After acid treatment swabbed 10 hours through 2" tubing, 1/2 gallons oil and 25 gallon fresh water per hour.

On August 21, 1943, treated with 1500 gallons of Dowell "HX" acid as follows:

ACID TREATMENT NO. 2 - Between 4313' and 4318'

Treatment put in August 21, 1943, by Dowell, Inc. using 1500 gallons of acid and 25 barrels water to flush hole.

TIME	CP	SP	REMARKS
2:15 PM			Hole full of water and started acid in
2:32 PM	50	0	17 barrels of acid on bottom
2:38 PM	250	200	24 barrels of acid in hole
2:45 PM	200	200	36 barrels of acid in hole and started water flush
2:58 PM	150	150	Completed treatment by flushing with 25 barrels of water and pressure dropped.

After acid treatment swabbed through 2" tubing 3 hours, 800' off bottom 1 gallon oil and 12 barrels water per hour.

On August 24th cemented back through 2" tubing with 90 sacks of cement from 4318' to 4275', then pulled tubing and shot down for cement to set.

On August 28th bailed the hole down and cement job tested OK. Top of cement plug 4275' J.M. Perforated by Laco-Wells with 71 holes from 4210' to 4221'. Bailed and tested 12 hours, 1 1/2 gallons of water and no oil per hour.

On August 29th ran 2" tubing and treated with 750 gallons of Dowell "HX" acid as follows:

ACID TREATMENT NO. 3 - Between 4210' and 4221'

Treatment put in August 29, 1943, by Dowell, Inc. using 750 gallons acid and 24 barrels of water.

TIME	CP	SP	REMARKS
4:40 PM			Hole filled with water and started acid in
5:15 PM	550	700	18 barrels (750 gallons) acid in hole
5:31 PM	600	600	Completed treatment by flushing with 24 barrels of water

After acid treatment swabbed to bottom, then swabbed 3 hours through 2 1/2" tubing, 2 gallons of oil and 10 gallons of water per hour.

On August 31st treated with 1500 gallons of Dowell "HX" acid as follows:

ACID TREATMENT NO. 4 - Between 4210' and 4221'

Treatment put in August 31, 1943, by Dowell, Inc. Using 1500 gallons acid and 24 barrels of water to flush hole.

TIME	CP	SP	REMARKS
10:25 AM	150	0	Hole filled with water and started acid in
10:45 AM	700	550	24 barrels of acid in hole
10:55 AM	600	450	36 barrels of acid in hole and started water flush
11:14 AM	650	650	Completed treatment by flushing with 24 barrels of water

After acid treatment swabbed into pits to clean hole, then swabbed 4 hours, 1/4 barrel oil and 3/4 barrel water per hour.

Shut down 20 hours for butane and hole filled 800' with fluid. Swabbed 2 barrels oil off top, then swabbed 8 barrels of water, swabbing to bottom. Show of gas on swabbing to bottom. Shut down and well failed to make more fluid, and gas quit showing.

On September 4, 1943, perforated with Eureka perforator and ripped from 4210' to 4221', then bailed and tested 4 gallons oil and 12 gallons water per hour.

On September 7th, bailed and tested 24 hours, 4 gallons oil and 12 gallons water per hour. On September 8th ran tubing and plugged back with 30 sacks of cement. On September 12, 1943, bailed the hole down and found top of cement at 4217'. On this date perforated 5-1/2" casing from 4188' to 4193' with 30 holes and from 4169' to 4184' with 46 holes. Tested 2 hours, no show, then ran tubing and on September 14, 1943, treated with 1000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 5 - Between 4169'-4184' and 4180'-4193'

Treatment put in by Halliburton September 14, 1943, using 1000 gallons acid and 17 barrels of water to flush hole.

TIME	CP	SP	REMARKS
10:30 AM			Mixed blanket & spotted on bottom with water
3:00 PM	100	0	Started acid in hole
4:45 PM	1050	950	670 gallons of acid in hole
5:15 PM	600	500	1000 gallons acid in hole and started water flush
5:30 PM	650	825	Completed treatment by flushing with 17 barrels water

After acid treatment swabbed out cut oil and acid water, then swabbed 2 hours, 2 barrels oil and no water per hour. On September 16, 1943, swabbed through 2" tubing 2 hours, 10 gallons of oil and 2 gallons water per hour.

On September 17, 1943, pulled tubing and balled hole clean, then ran 2" tubing and Halliburton packer, setting packer at 4136', packer would not hold but treated with 2500 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 6 - Between 4169'-4184' and 4188'-4193'

Treatment put in September 18, 1943, by Halliburton using 2500 gallons acid and 19 barrels of water to fill hole and to flush.

TIME	CP	TP	REMARKS
2:18 PM			Hole filled with 10 barrels of water and started acid in
2:28 PM	130'		680 gallons of acid in hole
4:10 PM	1130'	1000'	930 gallons of acid in hole
4:19 PM	830'	700'	1410 gallons of acid in hole
4:37 PM	830'	700'	2500 gallons of acid in hole and started water flush
4:51 PM	450'	450'	Treatment completed by flushing hole with 9 barrels of water

After acid treatment swabbed 24 hours, 25 gallons of oil and no water per hour.

On September 21, 1943, plugged back with chert from 4217' to 4201', then treated with 4000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 7 - Between 4169'-4184' and 4188'-4193'

Treatment put in September 21, 1943, by Halliburton using 4000 gallons acid and 30 barrels of water to fill hole and to flush.

TIME	CP	TP	REMARKS
4:25 PM	100'	150'	Hole filled with 12 barrels water and started acid in
4:55 PM	700'	525'	1045 gallons acid in hole
5:45 PM	775'	800'	2800 gallons acid in hole
6:32 PM	700'	750'	4000 gallons acid in hole
7:00 PM	700'	725'	Completed treatment by flushing with 18 barrels of water

After acid treatment swabbed through 2" tubing 24 hours, 5 gallons of oil and 6 gallons of water per hour. On September 23rd pulled and reran 2" tubing and plugged back with 50 sacks of cement to 4120' 311.

On September 27th balled the hole down to top of cement plug, then drilled cement plug from 4120' to 4250'. On September 29th perforated 5-1/2" casing with 60 holes by Lane-Bells from 4229' to 4238', then ran 2" tubing with Halliburton packer and set packer at 4227', then treated with 500 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 8 - Between 4229' and 4238'

Treatment put in September 29, 1943, by Halliburton using 500 gallons of acid and 17 barrels of water to fill hole and to flush.

TIME	CP	TP	REMARKS
9:45 PM			Filled hole with 5 barrels water and started acid in
9:57 PM			500 gallons of acid in hole and started water flush
10:22 PM	500'	400'	2 barrels of water in hole
10:57 PM	550'	550'	12 barrels of water in hole to complete treatment and pressure dropped

After acid treatment swabbed out oil and acid water, then swabbed through 2" tubing 24 hours, 10 gallons of water and no oil per hour.

On October 1, 1943, swabbed 24 hours, 10 gallons water with trace of oil per hour. Pulled tubing and on October 2nd swabbed through 5-1/2" casing 5 hours, 10 gallons of water with trace of oil per hour.

On October 4th ran 2" tubing and cemented back with 75 sacks of cement to 3946'. On October 8th balled the hole dry, then perforated 5-1/2" casing with 32 holes by Lane-Bells from 3862' to 3866', no shows after perforating. On October 9th treated with 1000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 9 - Between 3862' and 3866'

Treatment put in October 9, 1943, by Halliburton using 1000 gallons of acid and 30 barrels of water to fill hole and to flush.

TIME	CP	TP	REMARKS
2:00 PM			Filled hole with 12 barrels of water and started acid in
2:05 PM	100'		637 gallons acid in and 30 5 minutes for reaction
2:25 PM	1100'	100'	650 gallons acid in hole
2:33 PM	800'	700'	1000 gallons acid in hole and started water flush
2:41 PM	700'	700'	Treatment complete after flushing with 12 barrels water

After acid treatment swabbed through 2" tubing 10 hours, 6 barrels water and no oil per hour.

On October 11th regular authority was granted to plug and abandon the well and on November 1943, the well was plugged as follows:

Mudded hole from	3946 to 3866
Cemented with 4 sacks of cement	3866 to 3842
Mudded hole from	3842 to 448
Cemented with 20 sacks of cement	448 to 392
Mudded hole from	392 to 20
Cemented with 5 sacks of cement	20 to 6
Surface soil and rock	6 to 0.

SLOPE TEST DATA			
DEPTH	ANGLE OF DEFLECTION	HORIZ.	VERT.
250'	0 Degrees		
500'	1/2 "	2.2	
750'	1/2 "	2.2	
1000'	1 "	4.4	.1
1250'	1 "	4.4	.1
1500'	1/2 "	2.2	
1750'	1/2 "	2.2	
2000'	1/2 "	2.2	
2250'	1/2 "	2.2	
2500'	1/2 "	2.2	
2750'	1/2 "	2.2	
3000'	1/2 "	2.2	
3250'	1/2 "	2.2	
3500'	1/2 "	2.2	
3750'	1/2 "	2.2	
4000'	1/2 "	2.2	
		37.4	.2