

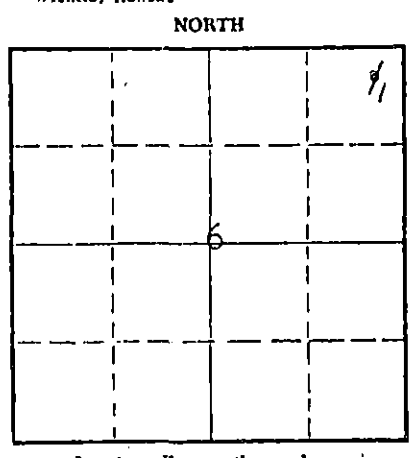
STATE OF KANSAS
STATE CORPORATION COMMISSION

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. 6 Twp. 27S Rge. (E) 12 (W)
Location as "NE/CNW&SWK" or footage from lines NE/4 NE/4 NE/4
Lease Owner Skelly Oil Company
Lease Name Helmke "H" Well No. 1
Office Address 1860 Lincoln St., Denver, Colorado
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed November 13, 19 48
Application for plugging filed 6/21/67 & September 21, 19 67
Application for plugging approved June 23, 19 67
Plugging commenced October 4, 19 67
Plugging completed October 9, 19 67
Reason for abandonment of well or producing formation Depleted



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production Shut Down 2/1 19 61
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. A. Elving
Producing formation Arbuckle Lime Depth to top 4300' Bottom Total Depth of Well 4326 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
Arbuckle Lime	Oil	4322'	4326'	8-5/8"	440' 9"	None
				5-1/2"	424' 8"	2312'

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CORPORATION COMMISSION
NOV 3 1967

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	4326' to 4209'
Sand	4209' to 4150'
20 sacks of cement	4150' to 4010'
Mud laden fluid	4010' to 300'
Rock	300' to 290'
25 sacks of cement	290' to 215'
Mud laden fluid	215' to 40'
Rock	40' to 30'
10 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

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

Name of Plugging Contractor Ralph Comstock Pipe Pulling, Inc.
Address 320 No. Park, Stafford, Kansas 67578

STATE OF Colorado, COUNTY OF Denver, ss.
Leland Franz (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) *Leland Franz*
1860 Lincoln St., Denver, Colo. 80203
(Address)

SUBSCRIBED AND SWORN to before me this 1st day of November, 19 67

My commission expires _____ My Commission expires June 17, 1970

[Signature]
Notary Public.

SKELLY OIL COMPANY

NORTH									
									9
SOUTH									

Well Record
 Lease Name and No. **14180** Well No. **1** Elev. **1902'**
 Lease Description **1/4 (except 2 1/2 acres in SE corner) Sec. 6-27E-12N, Pratt County, Kansas**
 Location made **Oct. 9, 1948** by **G. A. Richter**
330 feet from North line **330** feet from East line **1/4**
 feet from South line feet from West line of **Sec. 6**

Work com'd **10/12 1948** Rig com'd **10/13 1948** Drlg. com'd **10/14 1948** Drlg. comp'd **11/13 1948**
 Rig Contractor **Overland Drilling Company**
 Drilling Contractor **Overland Drilling Company, Great Bend, Kansas**
 Rotary Drilling from **TOP** to **4234'** Cable Tool Drilling from **4234'** to **4326'**
 Commenced Producing **November 13, 1948** Initial Prod. before start acid **20 gals. oil no wtr. / 22 Bbls.**
 Initial Prod. after start acid **FOR 24 hrs. to estab. Bbls.**
G.C.C. potential of 26 Bbls.
 Dry Gas Well Press. Volume Cu. ft.
 Casing Head Gas Pressure Volume Cu. ft.
 Braden Head **(-5/8" 2500)** Gas Pressure Volume Cu. ft.
 Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION **Arbuckle Lime** Top **4322'** Bottom **4326'** TOTAL DEPTH **4326'**

CASING RECORD

OD	Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	CEMENTING Method Employed	
					Jts.	Feet.	In.	Jts.	Feet.	In.					
8-5/8"	62	8V	443'				15	440	9	80	R2	SS	C	225	Halliburton
5-1/2"	47	3R					15	491	8	55	R2	R3	A		
3-1/2"	43	3R	1209'				116	3753	0	55	R2	R3	A	100	Halliburton
(8-5/8" casing set 6' in collar and 5 1/2' added to correct floor)															
Good 1 - 5 1/2" Water Combination Casing & Float Valve															

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	11/7/48	11/9/48	11/10/48	
Acid Used Size Shot	1000 Gals. 100	40 Gals. 40	300 Gals. 300	
Shot Between	1209 Ft. and 4234 Ft.	4224 Ft. and 4522 Ft.	4209 Ft. and 4326 Ft.	Ft. and Ft.
Size of Shell		4 - 3"		
Put in by (Co.)	Dowell Inc.	Dowell Eastern	Dowell Inc.	
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	
Lansing Lime	3699'				3800	3804	air por., black oil stain
					3857	3857	of w/ spots oil stain
Mississippi Lime	4121'						if. por. limo, spotted sat.
Kinderhook Chale	4149'						
Viola Chert	4158'				4156	4197	Good oil & manganese oil
Gimerson Shale	4197'				4228	4232	Black oil stain
Arbuckle Lime	4300'				4322	4324	Saturated, 20 gals. oil/hr.
					4324	4326	Some saturation

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	250	
Red bed	250	400	
Red bed, shale and shells	400	443	Set and cemented 3-5/8" OD, 32', 37' thd., Grade C, 1-2, (6 cont.) seamless-steel casing at 443' with 22.5 sacks of cement.
Red bed, shale and shells	443	723	
Anhydrite	723	755	
Red bed and shale	755	850	
Shale and shells	850	1410	
Salt	1410	1480	
Shale and shells	1480	1750	
Lime	1750	2330	
Lime and shale	2330	2735	
Shale	2735	3000	
Lime and shale	3000	3400	
Shale	3400	3415	
Lime and shale	3415	3460	
Lime	3460	3615	
Lime and shale	3615	3710	TOP L. casing 3699'
Shale	3710	3784	
Lime	3784	4049	(3800'-04' calcareous lime, fair porosity, black oil stain; 3816'-3824' pin-hole porous lime, spotted oil stain and saturation; 3857'-42' pin-hole porous lime with spotted oil stain; 3857'-42' slightly porous lime with spotted oil saturation; 3911'-22' pin-hole porous lime with spotted oil stain and saturation; 3991'-94' slightly pin-hole porous lime with spotted oil stain and saturation).

FORMATION	TOP	BOTTOM	REMARKS
Lime and chert	4049	4085	
Cherty lime	4085	4140	TOP L. casing 4121'
Lime and chert	4140	4158	TOP L. casing 4149'
Slightly porous chert	4158	4197	TOP L. casing 4158'

FORMATION	TOP	BOTTOM	REMARKS
Green waxy, slightly sandy shale	4197	4201	TOP L. casing 4197'
Sandy fine crystalline, dense dolomite with thin shale and sandy shale stringers	4201	4225	within black asphaltic oil stain

FORMATION	TOP	BOTTOM	REMARKS
Fine grey dolomitic sand	4225	4226	
Fine grain, slightly porous sand	4226	4232	Black oil stain with trace of light oil stain.
Green oil-sandy shale	4232	4234	See Halliburton drill stem test with packer set at 4204', open 40 minutes, recovered 20' drilling mud.

Set and cemented 3755' of 5 1/2" OD, 14 1/2' thd., 1-55, 1-2, (1 cont.) seamless steel, and 491' of 5 1/2" OD, 14 1/2' thd., 1-55, 1-2, U.S.S. steel, (1 cont.) casing at 4209' with 100 sacks of cement and 4 sacks of gravel. Finished cementing at 4:00 PM 10/29/45.

Rigged cable tools and failed the hole dry on November 6, and casing tested OK. Drilled cement plug and cleaned out to bottom, no shows. Treated with 1000 gallons of Howell HMF-15 acid as follows:

TIME	DEPTH	REMARKS
2:55 PM		1000 gallons of acid in hole
3:45 PM	500'	Filled hole with 103 barrels of oil, start flush
4:00 PM	750'	450 gallons of acid in formation
4:10 PM	800'	600 gallons of acid in formation
4:16 PM	800'	1000 gallons of acid in formation and treatment completed

Washed out oil used in treating and washed hole dry. Drilled deeper as follows:

FORMATION	TOP	BOTTOM	REMARKS
Green shale	4234	4238	
Grey sand with little green shale	4238	4246	No shows
Grey sand	4246	4251	No shows
Grey sand	4251	4254	No shows

Drilled 12 hours, 5 gallons of water, very small show of oil per hour. Shot with 40 quarts of nitroglycerin in 4 - 3" shells, used Aero Hour Bomb from 4252' to 4224'. Trapped shot with 25 gallons of crushed rock and 5 sacks of Cal-Seal, filling hole from 4210' to 4192'. Shot went off at 11:35 AM 11/9/46. Drilled Cal-Seal plug and cleaned out to bottom after

shot, then tested 1 gallon of oil and no water per hour.

Gray and brown sand	4254	4268	
Sand and green shale	4269	4300	TOP ABNORMAL LITH 4300'
Buff coarsely crystal- line dolomite	4300	4317	No porosity or saturation
Dolomite with 80% dark shale	4317	4322	
Coarsely crystalline dolomite	4322	4324	Saturated
Same	4324	4326	Tasted 20 gal. oil no water per hr. Some saturation, 400' OIL in 2 hrs.
TOTAL DEPTH		4326'	

Bailed and cleaned out to bottom, ran 2" tubing, and on November 16, treated with 300 gallons of Cowell acid as follows:

ACID TREATMENT NO. 2 - Between 4209' and 4326'

Treatment put in 11/16/48 by Cowell Inc., using 300 gallons of 9% acid and 106 barrels of water to fill hole and flush.

TIME	SP	TP	REMARKS
12:42 PM	300	300	Filled hole with 98 barrels of water
12:52 PM	400	300	300 gallons of acid in hole
1:00 PM	100	0	Start water
1:09 PM	400	300	acid on bottom, 10 barrels of water in hole, start flush
1:20 PM	100	100	300 gallons of acid in formation and treatment completed

Pulled tubing and cleaned out from 4295' to bottom, and gravel packed hole from 4326' to 4205'. On November 26, swabbed hole dry, then swabbed and tested 10 hours, 12 barrels of oil and 6 barrels of water. On November 27, swabbed 24 hours, 25 barrels of oil and 6 barrels of water. On November 28, swabbed 24 hours, 25 barrels of oil and 4 barrels of water. On November 29, swabbed 24 hours, 25 barrels of oil and 4 barrels of water. On December 1, ran tubing and rods and shot down to install regular pumping equipment.

Finished installing pumping equipment and on December 24, P33 24 hours, 26 barrels of oil and no water to establish State Corporation Commission 24 hr potential of 26 barrels. This potential allows 25 barrels per day.

SLOPE TEST DATA

Slope tests were taken at 250' intervals from 250' to 4000' with 1/2 degree deviation from vertical noted at 4000'.

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CITY CORPORATION COMMISSION
JUN 28 1967
CONSERVATION DIVISION
Wichita, Kansas

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 Holmbe #111
 SEC. 6 T. 27S R. 12W
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Rocky Mountain
 COUNTY Pratt AFE NO. 22730
 STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL

Date commenced October 4, 1967 Date completed 5 October 9, 1967
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 4326' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before Shut Down bbls. oil _____ bbls. water _____ cu. ft. gas. _____
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas. _____
 Tools owned by: Ralph Comstock Pipe Pulling, Inc. Kind used: Pulling Unit No. days rig time: Cont.
 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
			Socks Used	Top Cem't. Bhd. Casg.	
Production Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT					
					Jts.	Feet	LTM	In.	Feet	WTM	In.	Feet	WTM	In.
5-1/2"	14 1/2	BR	155 R2 SS	E	59	1919	8	1932	8	72	2296	0	2312	0

PRODUCING FROM

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

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

The well was Shut Down February 1, 1961, when it became uneconomical to operate and as there are no further zones considered worthy of testing and as the well is not needed for waterflooding, regular authority was granted to plug and abandon it.

On October 4, 1967, moved in and rigged up plugging machine of Ralph Comstock Pipe Pulling, Inc. and plugged the well as follows:

Fill up 4326' to 4209'
 Sand 4209' to 4150'
 20 sacks of cement 4150' to 4010'

Shot 5 1/2" casing at 3210', 3068', 2908', 2748', 2615', 2523', 2429', 2303' and 2209'. Pulled 72 joints (2312.05') of 5 1/2" casing.

Mud 4010' to 300'
 Rock 300' to 290'
 25 sacks of cement 290' to 215'
 Mud 215' to 40'
 Rock 40' to 30'
 10 sacks of cement 30' to Base of cellar
 Surface soil Cellar to Surface

Plugged and abandoned October 9, 1967.

STATE OF KANSAS
 DEPARTMENT OF REVENUE

10-10-67

THIS RECEIPT IS VALID ONLY WHEN SIGNED BY THE TAXPAYER OR AN AUTHORIZED REPRESENTATIVE OF THE TAXPAYER.

NAME OF TAXPAYER _____
 ADDRESS _____
 CITY _____

TYPE OF WORK _____

RECEIVED
 STATE CORPORATION COMMISSION

NOV 3 1967

CONSERVATION DIVISION
 WARREN, KANSAS

DATE	DESCRIPTION	AMOUNT

CHANGED TO STATE CORPORATION COMMISSION

DATE	DESCRIPTION	AMOUNT

NOV 3 1967

REMARKS: _____

1

Sec

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 Holake #11 WELL NO. 1

CLEANING OUT RECORD					PLUGGING BACK OR DEEPENING RECORD				
Date commenced..... <u>October 23, 19 50</u>					Date commenced..... 19				
Date completed..... <u>December 3, 19 50</u>					Date completed..... 19				
Cleaned out from <u>2000'</u> to <u>4326'</u> T.D. <u>4326'</u>					Plugged back or deepened from..... to..... T.D.....				
Prod. before..... <u>2</u> bbls. <u>4</u> oil..... <u>--</u> water..... <u>--</u> cu. ft. <u>--</u> gas..... <u>--</u>					Prod. before..... bbls. bbls. oil..... water..... cu. ft. gas				
Prod. after..... <u>0</u> bbls. <u>9</u> oil..... <u>--</u> water..... <u>--</u> cu. ft. <u>--</u> gas..... <u>--</u>					Prod. after..... bbls. bbls. oil..... water..... cu. ft. gas				
Kind of tools used: <u>Cable</u>					Kind of tools used:.....				
Tools owned by: <u>Flournoy Drlg. Co.</u>					Tools owned by:.....				

SHOT RECORD

Date	Qts.		Qts.		Qts.		Qts.	
Size shot	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.
Shot between								
Size of shell								
Put in by (Co.)								
Length anchor								
Distance below casing								
Damage to casing or casing shoulder								

CHANGES IN 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

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

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

REMARKS (Give review of work accomplished and any other comment of interest) On October 23, 1950, moved in and rigged up cable tools of Flournoy Drilling Company and during the next 8 days cleaned out mud and cavings from 2000' to bottom, TD-4326'. On October 31, bailed and tested 3 hours, bailing 600' off bottom, 7 gallons of oil and 4 barrels of water per hour, unable to lower fluid level. Hole caved back to 4306'. Continued to bail and clean out to bottom on

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

Superintendent.

REMARKS (Continued) November 2 and 3. Bailed hole clean and on November 4,
dumped 5 yards of filter gravel from 4326' to 4130'. Cleaned out excess
filter gravel to 4190' and on November 6, ran tubing and rods. On
November 7, POB 9 hours, 15 barrels of water and no oil. During the
next 26 days the well produced as follows:

DATE	HOURS PUMPED	BARRELS OIL	BARRELS WATER	REMARKS
11-8-50	0			DD to pull rods
11-9-50	15	0	31	Pull & run rods
11-10-50	24	Trace	6	
11-11-50	24	1 1/2	12	
11-12-50	24	1 1/2	12	
11-13-50	24	Trace	12	

RECORD OF FORMATIONS

FORMATION	DEPTH (FEET)		REMARKS
	TOP	BOTTOM	
11-14-50	24	1 1/2	12
11-15-50	24	1 1/2	12
11-16-50	24	1 1/2	12
11-17-50	24	1 1/2	12
11-18-50	24	1 1/4	9
11-19-50	24	1 1/4	9
11-20-50	16	0	9
11-21-50	24	1 1/4	12
11-22-50	8	1 1/4	10
11-23-50	8	1 1/4	12
11-24-50	8	1 1/2	11
11-25-50	8	1 1/2	12
11-26-50	8	1 1/2	12
11-27-50	8	1 1/2	11
11-28-50	8	1 1/2	10
11-29-50	8	1 1/2	9
11-30-50	8	1 1/2	9
12-1-50	8	1 1/2	9
12-2-50	8	1 1/2	9
12-3-50	8	1 1/2	9

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 NRP 28 1967
 CONSERVATION DIVISION
 Wichita, Kansas

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 NRP 28 1967
 CONSERVATION DIVISION
 Wichita, Kansas

REMARKS (Give review of work accomplished and any other comment of interest.)
 Pocket set at ... Size and level ...
 Length set at ... Perforated at ...
 (Use reverse side for continuation of remarks and for formation record.)