

STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

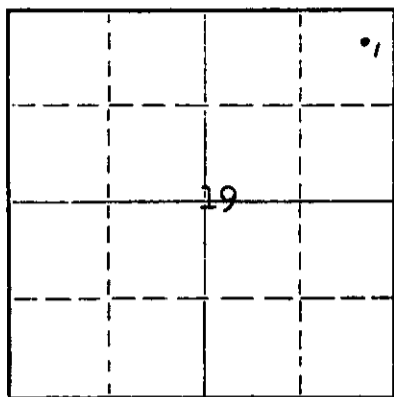
WELL PLUGGING RECORD

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

Harper County, Sec. 19 Twp. 31S Rge. (E) 6 (W)

Location as "NE/CNW/SW" or footage from lines NE/4 NE/4 NE/4
Lease Owner Skelly Oil Company
Lease Name S. O. Bishop Well No. 1
Office Address P.O. Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil and gas
Date well completed August 2, 19 57
Application for plugging filed May 21, 19 65
Application for plugging approved May 24, 19 65
Plugging commenced June 15, 19 65
Plugging completed June 18, 19 65
Reason for abandonment of well or producing formation Depleted

NORTH



Locate well correctly on above
Section Plat

If a producing well is abandoned, date of last production April 10, 19 65
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 Simpson Sand Depth to top 4726 1/2 Bottom 4731 1/2 Total Depth of Well 4780 Feet
Show depth and thickness of all water, oil and gas formations. PB 4750'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Simpson Sand	Oil, gas	4726 1/2'	4731 1/2'	8-5/8"	630' 6"	None
				5-1/2"	4817' 3"	3831'

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.

Bridge plug					3950'	
1/2 sack Cal-Seal					3950' to 3945'	
Sand					3945' to 3900'	
4 sacks cement					3900' to 3868'	
Mud laden fluid					3868' to 300'	
Rock bridge					300' to 290'	
25 sacks of cement					290' to 215'	
Mud laden fluid					215' to 30'	
Rock bridge					30' to 25'	
10 sacks of cement					25' to Base Cellar	
Surface soil					Cellar to Surface	

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STATE CORPORATION COMMISSION

AUG 2 - 1965

8-2-65
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 Nebraska, COUNTY OF Red Willow, ss.
C. F. Bass (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.

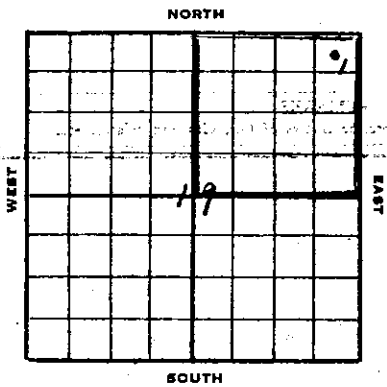
(Signature) C. F. Bass
P. O. Box 649, McCook, Nebraska 69001
(Address)

SUBSCRIBED AND SWORN TO before me this 29th day of July, 19 65

My commission expires June 13, 1969

C. E. Lindsey
Notary Public.

15-077-10033-0000



SKELLY OIL COMPANY

Well Record

Lease Name and No. W. Bishop Well No. 1 Elev. 1532'
 Lease Description 1/4 section 19-31-60,
Harper County, Kansas (160 Acres)
 Location made June 24, 19 57 by I. L. Dix
330 feet from North line 330 feet from East line 1/4
sc.19
sc.19 feet from South line sc.19 feet from West line

Work com'd. 6/24 19 57 Rig com'd. 6/25 19 57 Drig. com'd. 6/25 19 57 Drig. com'd. 7/12 19 57

Rig Contractor Clairmont Drilling Co., Tulsa, Okla.
 Drilling Contractor Clairmont Drilling Co., Tulsa, Okla.
 Rotary Drilling from 0' to 4730' Cable Tool Drilling from to complete to to complete

Commenced Producing August 2, 19 57 Initial Prod. before shot or acid Flowed thru air bomb Bbls.
for initial productivity of 3,000 bbls. Bbls.

Dry Gas Well Press. 25 or. max. Volume 3,000 Bbls. Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (5/8" Size 22) Gas Pressure Volume 340,000 Cu. ft.

Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION Impson Sand (Name) Top 4726' Bottom 4731' TOTAL DEPTH 4730'

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
5-5/8"	22.7	3	623'				15	630	6	Armed		325	Halliburton
5-1/2"	14	3	4730'				149	4817	3	355	2	200	Halliburton
(5-5/8" casing set 23' in collar and 5' cased to derrick floor) 5/8" casing perforations open above 4730' to 4731' with 31 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

Date	FIRST		SECOND		THIRD		FOURTH	
	Date	Shot Between	Date	Shot Between	Date	Shot Between	Date	Shot Between
	7/25/57	4726' - 4731'						
Acid Used								
Size Shot								
Shot Between								
Size of Shell								
Put in by (Co.)	Halliburton							
Length anchor								
Distance below Cas'g	(See trace)							
Damage to Casing or Casing Shoulder								

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Chilmerer (ops)							
Kansas City	3724'	2252'					
Wernaton	4072'						
Mississippi	4350'	2818'					
Wincorhook halo	4603'	3071'					
Impson	4732'	3700'			4726'	4731'	

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	40	
Sand	40	80	
Shale	80	145	
Shale and red beds	145	510	
Shale	510	650	Set and cemented 1-5/8" O.D., 22.7, Arcco . . . , J.D. H-3, steel casing (w/ con.) at 623' with 325 stacks of common cement, 2% Gel and 1% calcium chloride. Cement circulated. Finished 4:00 a.m. 6/27/57.
Shale and shale	650	735	
Line and shale	735	3838	
Line	3838	3912	
Buff, light lime	3912	3915	
Buff, dolomitic lime	3915	3925	no shows fair porosity, good show of free oil, faint odor.
Line and shale	3925	4341	Ran Halliburton drill stem test No. 1, packer set at 3912', used 13' anchor, open 45 mins., strong blow throughout test, recovered 1440' of gas, 105' oil and gas cut mud, and 75' of muddy salt water, IFF-30, FFP-105, FBHP-1170 in 20 mins. TER IFF-1072' TER IFF-1071' 4350'
Chert, weathered and tripolitic	4341	4358	fair porosity, fair to medium dark stain
Chert	4358	4365	Mostly fresh poor porosity, poor spotted stain. Ran Halliburton drill stem test No. 3, packer set at 4345', used 20' anchor, open 30 mins., strong blow of air immediately, gas to surface in 1 minute, gas gauged 1,630 M.C.F., increased to 2,190 MCF in 10 mins., gas stabilized in 20 mins. at 2,050 MCF, recovered 90' of gas cut mud, IFF-1715, IFF-235, IFF-220, FBHP-1701 in 20 mins.
Chert, weathered and tripolitic	4365	4382	poor porosity, fair spotted stain
Chert, calcareous	4382	4395	poor spotted stain, poor porosity.
Line and shale	4395	4731	Ran Halliburton drill stem test No. 3, packer set at 4365', used 30' anchor, open 1 hour, strong blow of air immediately, gas to surface in 5 minutes, too small to gauge, recovered 80' of gas cut mud, 120' of gas cut muddy salt water, IFF-40, FFP-85, FBHP-1502 in 20 minutes. TER IFF-403' TER IFF-4732'
Cored from 4731' to 4750' - Recovered 39'			
Top 4'	- Shale, black and dark green		
Next 1'6"	- Sand, tight, shaly, no shows		
Next 4'6"	- Sand, vertical fractures, fair porosity, good even stain		
Next 4'	- Sand, dolomitic, fair porosity and fair even stain		
Next 2'	- Sand, dolomitic, light spotted stain		
Next 1'6"	- Sand, shaly		
Next 7'6"	- Sand, dolomitic, tight, poor spotted stain, faint odor		
Next 4'6"	- Sand, dolomitic with vertical fractures, poor porosity, spotted dark stain, fair odor		
Next 9'	- Sand, white and tight, no shows		
Last 6"	- Sand, white and porous, no shows		
Line and shale	4750	4775	Ran Halliburton drill stem test No. 4 with straddle packers, top packer set at 4725', bottom packer at 4743', used 17' anchor, open 30 mins., strong blow immediately, gas to surface in 4 minutes, gas gauged 310 M.C.F., recovered 435' of free oil, 60' of muddy oil, IFF-1740 in 20 minutes, IFF-83, FFP-166, FBHP-1701 in 20 mins.

WICHITA, KANSAS
CONSERVATION DIVISION
AUG 2 - 1965

STATE CORPORATION COMMISSION
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4760

4760

4780

Ran Schlumberger survey

TOTAL LENGTH 4760'

Set and cemented 5 1/2" casing, 11' 3" thd., 8-7, 5-55, 8.1' casing (a cond.) at 4780' w/ 200 sacks of common cement and 2% seaweal. Finished cementing at 10:00 a.m. 7/19/57. Halliburton Temperature survey showed top of cement behind 5 1/2" casing at 3815'.

Rigged up cable tools, swabbed and bailed the hole down to 4750' July 23, and 5 1/2" casing tested dry.

Ran Line-wells Gamma Ray and Collar Locator survey.

PAUSED HERE 7:42 AM 4750'

On July 24, perforated 5 1/2" casing from 4725 1/2' to 4731 1/2' with 31 holes by Line-wells. Swabbed the hole down, then swabbed through 5 1/2" casing 3 hours, 8 1/2 barrels of oil and no water per hour, gas gauged 100 M.S.P. Ran 2" tubing open end to 3900'. Well started flowing. Flowed through 2" tubing 12 hours, 3/4" choke, 9 1/2 barrels of oil and no water. (1)

On July 25, loaded hole with oil, unable to draw flow. Ran Halliburton Vis-3-Frac through 5 1/2" casing as follows:

Vis-3-frac No. 87-1-1 - between 4726 1/2' and 4731 1/2'

Used 6000' of sand
5000 gallons of regular crude oil
250 lb. admite
148 barrels of oil to fill and flush
Maximum CP-2100, minimum CP-1800,
Time 12 minutes

Flowed through 2" tubing 5 hours, 6/64" choke, 162 barrels of oil used in treating, 177-20, 70P-40. On July 26, flowed through 2" tubing 10 hours, 22/64" choke, 226 barrels of oil used in treating. Then flowed through 22/64" choke 8 hours, 303 barrels of oil and no water, gas gauged 325 M.S.P., 177-300, 70P-0.

On July 27, loaded hole with 130 barrels of oil. Pulled and reran 2" tubing to 4740'. Swabbed through 2" tubing 15 minutes, 14 barrels of oil used to load hole and well started flowing. Flowed through 2" tubing 3 hours, 24/64" choke, 76 barrels of oil used to load hole, no water, 177-220, 70P-0. Moved out cable tools and shut in for tank room.

On August 2, ran Amerada bottom hole pressure bomb. Flowed through 2" tubing 12 hours, 21/64" choke, 240.64 barrels of oil, no water. Then flowed through 21/64" choke 3 hours, 54.80 barrels of oil and no water, gas gauged 340 M.S.P. for indicated productivity of 3,624 barrels of oil to establish 24 hour maximum State Corporation Commission potential of 3000 barrels. This potential allows 37 barrels per day for the remainder of August, 1957. SI CP-420, SI CP-0, SI 80P-1744, 177-350, 10P-0, 80P-1533.

LOGS TO DATE: Tests were taken at 250', 535', 1010', 1260', 1480', 1810', 2180', 2430', 2775', 3110', 3466', 3687', 4175', 4515' with no deviation from vertical noted.

12-044-10032-0000

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STATE CORPORATION COMMISSION

AUG 2 - 1965
8-265
CONSERVATION DIVISION
Wichita, Kansas

15-077-10033-0000
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.

RECEIVED
 STATE CORPORATION COMMISSION
 AUG 2 - 1965
 CONSERVATION DIVISION
 Wichita, Kansas

LEASE NAME S. O. Bishop
 SEC. 19 T. 31S R. 6E
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Platte
 COUNTY Harper AFE NO. 58519
 STATE Kansas P&A 58635

TYPE OF WORK TEST LANSING-KANSAS CITY
PLUG AND ABANDON WELL

Date commenced April 10, 1965 Date completed June 18, 1965
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 4750' to Surface P.B.T.D. P & A
 Cleaned out from _____ to _____
 Production before 1 bbls. oil 99 bbls. water _____ cu. ft. gas.
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas.
 Tools owned by: Pratt Well Service Kind used: Double Drum No. days rig time: 3
Ice Pipe Pulling Company Revised Estimated Payout (Mos.) _____
 Cost of Job \$ _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>4/12/65</u>	<u>Acid</u>	<u>3926'-3929'</u>	<u>250 gallons MCA 15%</u>
<u>4/13/65</u>	<u>Acid</u>	<u>3920'-3929'</u>	<u>250 gals. MCA 15% w/ 50% TLC</u>

CHANGES IN CASING RECORD

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

SIZE	WT.	THDS.	KIND	COND.	LEFT IN				PULLED OUT								
					Jts.	Feet	LTM	In.	Feet	WTM	In.	Jts.	Feet	LTM	In.	Feet	WTM
<u>5-1/2"</u>	<u>146</u>	<u>8R</u>	<u>355 R2 SS</u>	<u>C</u>	<u>31</u>	<u>979</u>	<u>0</u>	<u>986</u>	<u>0</u>	<u>118</u>	<u>3805</u>	<u>0</u>	<u>3831</u>	<u>0</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)

April 10, 1965, moved in and rigged up pulling unit of Pratt Well Service Company. Pulled rods and tubing and ran steel line measurement to 4726'.

Set Lane-Wells cast iron bridge plug at 3950' and plugged back with 1/2 sack of Cal-Seal from 3950' to 3945'.

Bailed 2 hours through 5 1/2" casing, tested dry.

PERFORATION JOB NO. 2 - Lansing-Kansas City - 3926'-3929'
5 1/2" casing perforated w/ 4 type "E" holes per foot:

3926'-3929' - 3" - 12 holes

Bailed 2 hours, no shows; then bailed 4 hours through 5 1/2" casing, 40 gallons of water with light scum of oil.

TREATMENT NO. 2 - Acid - 3926'-3929'

4/12/65 treated through 5 1/2" casing by Howco with 250 gallons of MCA 15% acid, maximum CP-100%, minimum pressure 50%, time 12 minutes, average injection rate 1/2 barrel per minute, flushed with 103 barrels oil.

Swabbed 3 hours through 5 1/2" casing, 86 barrels load oil and 4 1/2 barrels acid water. Bailed through 5 1/2" casing 2 hours, 8 gallons of unspent acid with light scum oil, no show of gas; then bailed 4 hours through 5 1/2" casing, 36 gallons of water, no show of gas. Ran Lane-Wells Gamma Ray Collar and Correlation Log to 3945'.

PERFORATION JOB NO. 3 - Lansing-Kansas City - 3920'-3923'
5 1/2" casing perforated with 4 type "E" holes by Lane-Wells:

3920'-3923' - 3" - 12 holes

Ran 2" tubing and set Howco III packer at 3902'.

TREATMENT NO. 3 - Acid - 3920'-3929'

4/13/65 treated through 2" tubing by Howco with 50% HCl and 250 gallons 15% HCA acid, maximum TP-1000#, minimum TP-600#, time 11 minutes, average injection rate 3/4 barrels per minute, pressure stood at 400#. Flushed with 20 barrels oil, average injection rate 1 barrel per minute at 300#.

4/14/65 swabbed through 2" tubing 3 hours, 20 barrels load oil and 6 barrels spent acid water; then swabbed 3 hours, 6 barrels formation water with scum oil, slight show gas. Pulled tubing and packer.

Well Shut Down 4/14/65 for authority to plug and abandon.

On June 15, 1965, moved in and rigged up casing pulling unit of Ace Pipe Pulling Company and plugged the well as follows:

Sand	3945' to 3900'
4 sacks of cement	3900' to 3868'

Shot 5 1/2" casing at 3800' and pulled 5 1/2" casing in two. Pulled 3831' of 5 1/2" CD casing.

Mud laden fluid	3868' to 300'
Rock bridge	300' to 290'
25 sacks of cement	290' to 215'
Mud laden fluid	215' to 30'
Rock bridge	30' to 25'
10 sacks of cement	25' to base Celler
Surface soil	Cellar to Surface

Plugged and abandoned June 18, 1965.

19-31-6W