

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

Meade County, Sec. 36 Twp. 33S Rge. 29W (E) (W)

Location as "NE/CNW/SW" or footage from lines NW NE NW

Lease Owner Skelly Oil Company

Lease Name C. H. Cordes Well No. 1

Office Address Cunningham, Kansas

Character of Well (completed as Oil, Gas or Dry Hole)

Date well completed 19

Application for plugging filed 19

Application for plugging approved 19

Plugging commenced 7-16-63 19

Plugging completed 7-21-63 19

Reason for abandonment of well or producing formation

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 by Skelly Oil Company

Name of Conservation Agent who supervised plugging of this well Hugh Scott

Producing formation Depth to top Bottom Total Depth of Well PB 5726 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
RECEIVED STATE CORPORATION COMMISSION				8 5/8	1452	None
				5 1/2	None	2706
AUG 6 1963						
CONSERVATION DIVISION Wichita, Kansas						

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.

Moved in. Rigging up.

Sanded to 5670'. Dumped 20 sacks of cement, with bailer. Cleaning out cellar. Rigging up jacks and packing head.

Shot well at 4360'. Working pipe. Shot well at 4300'. Working pipe. Shot well at 4200'. Shot well at 4100'. Shot well at 4000'.

Spotted oil at 4000'. Used 95 barrels of oil. Pumping and plugged to 3900'. Shut well in at 950#. Working pipe.

Shot well at 3945'. Working pipe. Shot and working pipe at 3720', 3540', 3400', 3210', 3100', 3060', 2912', 2800', and 2702'.

Pulling pipe.

Finished pulling pipe. Plugged well at 700', and 18' rock bridge and 35 sacks of cement. Mudded to 40' - 10' rock bridge and 10 sacks of cement.

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

Name of Plugging Contractor

Address

STATE OF Kansas, COUNTY OF Barton, ss.

J. O. Forbes (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)

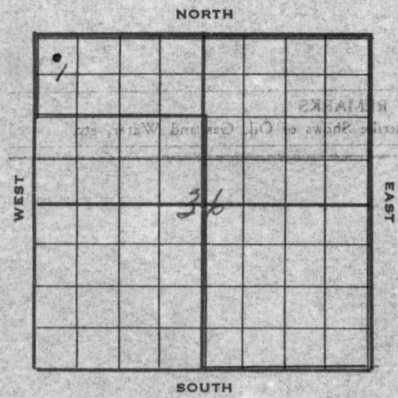
J. O. Forbes
Box 221 Great Bend, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 5 day of August, 1963

My commission expires May 27, 1964

Notary Public.

SKELLY OIL COMPANY



Well Record

Lease Name and No. B. H. Cordia NW/4 Well No. Elev.
 Lease Description E/2 and N/2 Sec. 36-33S-29W, Meade County, Kansas (400 Acres)
 Location made Dec. 20, 19 57 by W. C. Wilson
330 feet from North line feet from East line
 feet from South line 330 feet from West line of Sec. 36

Work com'd 12/30 19 57 Rig comp'd 12/31 19 57 Drlg. com'd 12/31 19 57 Drlg. comp'd 2/4 19 58
 Rig Contractor Chas. Hulme Drlg. Contr.
 Drilling Contractor Chas. Hulme Drlg. Contr., Great Bend, Kansas
 Rotary Drilling from 0' to 5860' Cable Tool Drilling from To complete to
 Commenced Producing 19 Initial Prod. before shot or acid Bbls.
 Initial Prod. after shot or acid Flowed 4 hrs. thru 2" casing, 12 3/4 and 7 1/2 Bbls.
 Dry Gas Well Press. Volume Cu. ft.
 Casing Head Gas Pressure 31 CP-1400' Volume 730,000 Cu. ft.
 Braden Head (8-5/8" Size 5 1/2" OD) Gas Pressure Volume Cu. ft.
 Braden Head (Size) Gas Pressure Volume Cu. ft.

PRODUCING FORMATION Morrow (Name) Top 5690' Bottom 5709' TOTAL DEPTH 5860'
5704' 5698' PB 5726'

CASING RECORD

OD 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"	24	8R	1452'				45	1450	9	J55 R2 SS A		1000	Halliburton
5-1/2"	15 1/2	8R					28	894	1	J55 R2 SS B			
5-1/2"	15 1/2	8R					29	944	4	J55 R2 SS A			
5-1/2"	14	8R					97	3044	0	J55 R2 SS A			
5-1/2"	15 1/2	8R	5860'				25	1022	4	J55 R2 3/8 SS A		250	Halliburton
(8-5/8" casing set 3 1/2' in cellar and 5 1/2" cased to derrick floor)													
5 1/2" casing perforations open: Above PB TD: 5690'-98' with 7 holes and 5704'-5709' with 5 holes; Below PB TD: 5844'-54' with 40 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

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SHOT OR ACID TREATMENT RECORD CONSERVATION DIVISION Wichita, Kansas

	FIRST	SECOND	THIRD	FOURTH
Date	2/11/58	2/12/58	2/13/58	
Acid Used Size Shot	500	500		
Shot Between	5844 Ft. and 5854 Ft.	5690 Ft. and 5698 Ft.	5704 Ft. and 5709 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	
Heebner Shale	4351'						
Lansing Lime	4504'						
Harmon Lime	5161'						
Cherokee Lime	5386'						
Morrow Shale	5670'		5690'	5698'	5690'	5698'	
Morrow Sand	5690'		5704'	5709'	5704'	5709'	
Chester Lime	5756'						

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						" " " " "

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RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil and clay	0	15	
Shale and sand	15	130	
Sand	130	480	
Red bed and shale	480	560	
Shale and shells	560	915	
Shale and lime	915	1125	
Shale and shells	1125	1300	
Lime, shale and sand	1300	1395	
Lime	1395	1420	
Lime and shale	1420	1452	
			Set and cemented 8-5/8" OD, 24#, 8R thd., R-2, J-55, S.S. casing (A cond.) at 1452' with 600 sacks of Pozmix and 300 sacks of common cement with 2% calcium chloride. Finished cementing at 5:00 p.m. 1/4/58. Cement did not circulate. Recemented around top of 8-5/8" casing through 1" pipe with 100 sacks of cement.
Sand	1452	1545	
Red bed and shale	1545	1855	
Shale and shells	1855	2010	
Shale and lime	2010	2380	
Lime	2380	2670	
Lime and shale	2670	2820	
Lime	2820	3335	
Shale and lime	3335	3640	
Lime	3640	3680	
Shale and lime	3680	3785	
Lime	3785	3845	
Lime and shale	3845	4150	
Lime	4150	4210	
Lime and shale	4210	4355	
Lime	4355	4955	
Lime and shale	4955	5005	
Lime	5005	5040	
Lime and shale	5040	5100	
Lime	5100	5170	
			TOP HEELENER SHALE 4351' TOP LANING LINE 4504'
			TOP HARMATON LINE 5161'
			Han Halliburton drill stem test No. 1, packer set at 5152', used 18' anchor, open 1 hour, fair blow throughout test, recovered 1940' gas in drill pipe, 50' of rotary mud and 350' of salt water, IFF-30%, FFP-180%, BHP-1560# in 20 minutes.
Lime	5170	5250	
			Han Halliburton drill stem test No. 2, packer set at 5192', used 58' anchor, open 1 hour, light blow for 1 hour, recovered 40' of drilling mud and 360' of muddy salt water, IFF-20%, FFP-210%, BHP-1550# in 20 mins.
Lime	5250	5605	
Lime and shale	5605	5680	
Shale and sand	5680	5694	
			TOP CHEROKEE LINE 5386' TOP MORROW SHALE 5670' TOP MORROW SAND 5690'
Cored from 5694' to 5714' - Recovered 20'			
Top 2'	- Sandy shale, good odor with oil stain		
Next 1'	- Clean sand with odor		
Next 1'6"	- Lime, sandy		
Next 1'	- Lime, very sandy		
Next 5'6"	- Sandy, black shale		
Next 1'6"	- Sandy, black lime		
Next 2'	- Sand, slightly shaly, oil saturated		
Last 5'6"	- Shale, black carbonaceous		
			Han Halliburton drill stem test No. 3, packer set at 5691', used 23' anchor, open 1 hour, gas to surface in 3 mins., gas gauged 580 MCF in 15 mins., 517 MCF in 30 mins., 481 MCF in 45 mins., 450 MCF in 1 hour, recovered 105' of free oil, 315' of muddy oil with slight show of water, IFF-70%, FFP-120%, BHP-1725# in 20 mins.
Lime and shale	5714	5723	
			TOP CHESTER LINE 5756'

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CONSERVATION DIVISION
Wichita, Kansas

ACID TREATMENT RECORD

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Line	5723	5775	Ran Halliburton drill stem test No. 4, packer set at 5709', used 66' anchor, open 1 hour, very light blow for 1 hour, recovered 140' of rotary mud, IFF-10%, FFP-75%, BHP-1325% in 20 minutes.
Line and shale	5775	5860	Ran Schlumberger Survey Ran Halliburton drill stem test No. 5, packer set at 5778', used 82' anchor, open 1 hour, light blow for 1 hour, recovered 100' of drilling mud, IFF-20%, FFP-60%, BHP-200% in 20 mins.
TOTAL DEPTH 5860'			

Set and cemented 894'1" of 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, S.S. casing (B cond.); 944'4" of 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, S.S. casing (A cond.); 3044' of 5 1/2" OD, 14#, 8R thd., R-2, J-55, S.S. casing (A cond.); and 1022'4" of 5 1/2" OD, 15.5#, 8R thd., R-2 and R-3 J-55, S.S. casing (A cond.) at 5860' with 250 sacks of common cement and 300 gallons of Dowell Cealment. Finished cementing at 6:56 a.m. 2/6/58.

Rigged up cable tools and swabbed and bailed the hole dry on February 11, and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to 5856'. Perforated 5 1/2" casing from 5844' to 5854' with 40 holes by Lane-Wells, no shows. Treated with 500 gallons of Halliburton 15% mud acid as follows:

ACID TREATMENT NO. 1 - Between 5844' and 5854'

Treatment put in 2/11/58 by Halliburton, using 500 gallons of acid and 139 barrels of water.

TIME	CP	IP	REMARKS
9:15 am			Start acid
9:35 am	200%		Acid on bottom
10:25 am	1000%		
10:27 am	700%		
10:37 am	700%		Treatment completed

Swabbed to bottom, then swabbed through 5 1/2" casing 2 hours off bottom, no gas and 300 gallons of water per hour.

Ran Lane-Wells Gamma Ray Collar Locator Survey. Set Lane-Wells bridging plug at 5732' and plugged back with 8 gallons of Cal-Seal from 5732' to 5724'. Perforated 5 1/2" casing from 5704' to 5709' with 20 holes by Lane-Wells, and from 5690' to 5698' with 29 holes by Lane-Wells. Let set 1 hour and gas gauged 232 MCF with approximately 200' OIH. Treated through 5 1/2" casing with 500 gallons of Halliburton 15% mud acid as follows:

ACID TREATMENT NO. 2 - Between 5690'-98' and 5704'-09'

Treatment put in 2/12/58 by Halliburton, using 500 gallons of acid and 135 barrels of water.

TIME	CP	IP	REMARKS
6:00 pm			Start acid
6:20 pm	500%		Acid on bottom
6:23 pm	800%		
6:24 pm	600%		
6:40 pm	Vac.		Treatment completed

Swabbed and tested 7 hours through 5 1/2" casing 1 barrel of oil per hour, gas gauged 192 MCF. Ran Halliburton Diesel-Frac through 5 1/2" casing from 5690' to 5698' and 5704' to 5709' as follows:

DIESEL-FRAC TREATMENT NO. 1 - Between 5690'-98' and 5704'-09'

Used 2000 gallons of gelled diesel fuel
2000# of sand
Maximum CP-1400#
Time 3 minutes
Used 137 barrels fresh water to flush

Ran 2" tubing with mud anchor and swabbed out water used in treating through 2" tubing. Well started flowing; flowed through 2" tubing 15 hours, 27 1/2 barrels of oil and 14 barrels of water, gas gauged 463 MCF.

On February 16, pumped 170 barrels of water in hole. Pulled 2" tubing, then reran 2" tubing and set retrievable retainer at 5701'. Swabbed and tested 6 hours and packer did not hold. Swabbed all water and no oil. Pulled 2" tubing and packer. Plugged back with 10 gallons of Dowell Cealment and pressured to 1000#-CP, no fill up from Cealment. Plugged back with 20 gallons of Cealment, no fill up, and Cealment bridged at 5684'. Drilled and cleaned out bridge to 5722'. Dumped 20 gallons of Cealment and plugged back from 5722' to 5702'. Swabbed out water used to load hole. On February 20, bailed and tested 8 hours, gas gauged 53 MCF with 4.76 barrels of oil and 2.34 barrels of water. Drilled Cealment plug and cleaned out to 5712'. Swabbed to bottom and tested 8 hours, 1 barrel of fluid per hour, 30% water with 80 MCF of gas. Drilled Cealment and cleaned out to 5726'.

See

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PLUGGED BACK TOTAL DEPTH 5726'

Reperforated 5 1/2" casing from 5704' to 5709' with 5 holes by Lane-Wells, and from 5690' to 5698' with 7 holes by Lane-Wells. Treated through 5 1/2" casing with 500 gallons of Halliburton 20% mud acid as follows:

ACID TREATMENT NO. 3 - Between 5690'-98' and 5704'-09'

Treatment put in 2/22/58 by Halliburton, using 500 gallons of acid and 137 barrels of water.

TIME	CP	IP	REMARKS
4:00 pm			500 gallons of acid in
6:30 pm			Finished flush.

Swabbed out water used in treating and gas gauged 310 MCF with 2 barrels of oil showing 30% water per hour. Ran Halliburton Diesel Frac through 5 1/2" casing as follows:

DIESEL FRAC TREATMENT NO. 2 - Between 5690'-98' and 5704'-09'

Used 4000 gallons of Gelled diesel fuel
4000# of sand
Maximum CP-2000#
148 barrels of oil to fill and flush.
Time 4 minutes

Ran 2" tubing with mud anchor and swabbed out 140 barrels of oil used in treating and well started flowing. Flowed through 2" tubing and test separator 10 hours, last 4 hours flowed 12 barrels of oil and 7 barrels of water, FTP-150#, FCP-450#, gas gauged 730 MCF. SI TP-1400#. Shut in to install tank battery and await pipeline connection.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
120'	1/4 Degree
400'	1/4 "
570'	1/4 "
789'	1/2 "
972'	1/4 "
1340'	0 "
1750'	1/2 "
1950'	3/4 "
2170'	0 "
2380'	1 "
2597'	1/2 "
2900'	1/2 "
3235'	1/4 "
3595'	1/4 "
4100'	1/4 "
4650'	1/4 "
4889'	3/4 "
5180'	1/2 "
5450'	1/4 "

15-119-00073-0000

Sheet No. 3

E. H. CORDS WELL NO. 1

ACID TREATMENT

Date Commenced: April 28, 1959
Date Completed: May 9, 1959

Production before: Well shut in since completion - would not flow when connected to gathering line
Production after: POB 24 hours, 3 barrels oil, 1 barrel water

PR TD: 5726'

5 1/2" casing perforations open:

Above PE TD: 5690'-98" with 7 holes, and 5707'-09" with 5 holes
Below PB TD: 5874'-57" with 60 holes

On April 28, 1959, treated down 5 1/2" casing annulus with 1000 gallons of Dowell 75% mud acid as follows:

TREATMENT NO. 6 - acidized - 5690'-98" and 5707'-09"

Treatment put in 4/28/59 by Dowell, using 1000 gallons of acid and 118 barrels oil.

REMARKS
GP
IF
Started acid in annulus
acid in, start flush

1:13	PM	550'	150'
1:17	PM		
1:31	PM	600'	
1:34	PM	700'	125'
1:36	PM	800'	135'
1:37	PM	950'	170'

Treatment completed

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See

<u>DATE</u>	<u>HOURS POB</u>	<u>BBLs. OIL</u>	<u>BBLs. WTR.</u>	<u>REMARKS</u>
9/12/59	24	2	1	
9/13/59	24	2	1	
9/14/59				SD 24 hrs., well pumped off
9/15/59				"
9/16/59	24	3	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 B. H. Cordes
 SEC. 36 T. 33S R. 29W
 BLOCK _____ SURVEY _____

WELL NO. 1 DISTRICT Platte
 COUNTY Wade AFE NO. 52764
 STATE Kansas

TYPE OF WORK PLUG AND ABANDON WELL NO. 1

Date commenced July 13, 1963 Date completed July 24, 1963
 Deepened from _____ to _____ Total Depth _____
 Plugged back from 5726' to Surface P.B.T.D. _____
 Cleaned out from _____ to _____
 Production before 1 bbls. oil 1/2 bbls. water 0 cu. ft. gas
 Production after _____ bbls. oil _____ bbls. water _____ cu. ft. gas
 Tools owned by: Forbes Pipe Pulling Co. Kind used: Plugging mach. No. days rig time: 6
 Cost of Job \$ _____ Revised Estimated Payout (Mos.) _____

TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

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CHANGES IN CASING RECORD

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

CONSERVATION DIVISION
 Wichita, Kansas

SIZE	WT.	THDS.	KIND	COND.	LEFT IN						PULLED OUT								
					Jts.	LTM		In.	Jts.	WTM		In.	Jts.	LTM		In.	Jts.	WTM	
						Feet	In.			Feet	In.			Feet	In.			Feet	In.
5-1/2"	15.5	3R	J55 R2 SS	0	25	1014	0	1022	4	57	1526	0	1838	0					
5-1/2"	14.5	3R	J55 R2 SS	0	09	2158	0	2176	0	28	862	0	868	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)

As the well had ceased to produce in paying quantities, regular authority was granted to plug and abandon.

July 13, 1963, moved in Yocum Well Service Pulling Unit and pulled 2" tubing and rods.

7/16/63 moved in Forbes Pipe Pulling Company plugging machine and plugged the well as follows:

Sand 5726' to 5675'
 20 sacks of cement 5675' to 5535'

Shot off 5 1/2" casing at 4360', 4300', 4200', 4100', and 4000', unable to pull casing. Spotted 95 barrels of crude behind 5 1/2" casing; unable to pull. Shot off casing at 3945', 3720', 3540', 3400', 3210', 3100', 3060', 2912', 2800', 2702' and pulled 5 1/2" casing.

Mud 5535' to 667'
 Rock bridge 667' to 672'
 35 sacks of cement 672' to 567'
 Mud 567' to 40'
 Rock bridge 40' to 30'
 10 sacks of cement 30' to 6'
 Surface soil 6' to Surface

Plugged and abandoned July 24, 1963,