

15-119-10200-0000

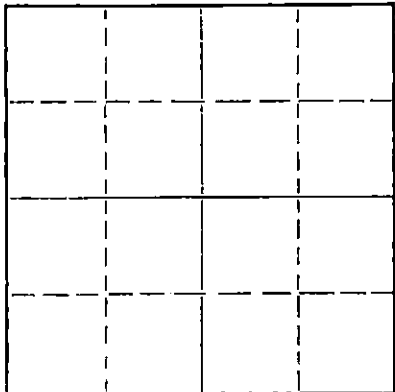
STATE OF KANSAS
STATE CORPORATION COMMISSION

Form CP-4

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above
Section Plat

Meade County, Sec. 12 Twp. 33S Rge. (E) 29 (W)
Location as "NE/CNWKSWK" or footage from lines C NE NW
Lease Owner Skelly Oil Company
Lease Name J. S. Williams Well No. 1
Office Address 1860 Lincoln Street - Denver, Colorado 80203
Character of Well (completed as Oil, Gas or Dry Hole) Gas
Date well completed December 4 19 59
Application for plugging filed March 22 19 68
Application for plugging approved March 25 19 68
Plugging commenced April 8 19 68
Plugging completed April 11 19 68
Reason for abandonment of well or producing formation Depleted - Gas

If a producing well is abandoned, date of last production December 30 19 67
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 E. Eves - Box "F" - Sublette, Kansas
Producing formation Morrow Sand Depth to top 5610 Bottom 5616 Total Depth of Well 5669 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
Morrow Sand	Gas	5610	5616	8-5/8"	1394	0
				5-1/2"	5779	4785'

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.

Plugged well as follows:

Spotted 1 sack of hulls and 20 sacks of cement in 5-1/2" OD casing at 5375'. Filled with mud to 775'.
Hulls 775'-755'
35 sacks cement 755'-650'
Mud 650'- 45'
Hulls 45'- 35'
10 sacks cement 35' to base of cellar
Surface soil from base of cellar to ground level

Completed P&A 4-11-68

RECEIVED
STATE CORPORATION COMMISSION
APR 23 1968
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Sargent Casing Pulling Machine
Address Box 506 - Liberal, Kansas

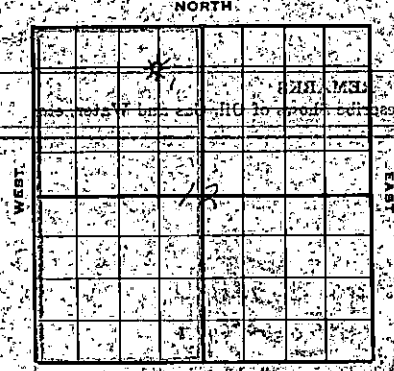
STATE OF Colorado, COUNTY OF Denver, ss.
Leland Franz (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath; says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Leland Franz
1860 Lincoln Street
(Address)

SUBSCRIBED AND SWORN TO before me this 22nd day of April 19 68

My commission expires June 17, 1970 Notary Public.

SKELLY OIL COMPANY



Well Record
 Lease Name and No. **J.S. Williams** Well No. **1** Elev. **2532' DF**
2525' GR
2523' BH
 Lease Description **W/2 Section 12-335-29, Meade County, Kansas (320 Acres)**
 Location made **October 14, 1959** by **W. C. Wilson**
 feet from North line **660** feet from East line **117 1/4**
 feet from South line feet from West line of **Sec. 12**

Work com'd **10/19 1959** Rig com'd **10/21 1959** Drlg. com'd **10/21 1959** Drlg. comp'd **11/21 1959**
 Rig Contractor **Claude Wentworth Drilling Company, Inc.**
 Drilling Contractor **Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma**
 Rotary Drilling from **0'** to **5780'** Cable Tool Drilling from **To complete** to

Commented Production **19** Initial Prod. before shot or acid Bbls.
RCI-1060 Initial Prod. after shot or acid Bbls.
 Dry Gas Well Press. Volume **9,650,000** Cu. ft.
 Casing Head Gas Pressure Volume Cu. ft.
 Braden Head **(8-5/8" 51" OD)** Gas Pressure Volume Cu. ft.
 Braden Head () Gas Pressure Volume Cu. ft.
 PRODUCING FORMATION **Morrow Sand** Top **5610'** Bottom **5616'** TOTAL DEPTH **5780'**
PE 5669'

CASING RECORD

OD Size	Wt.	Thick.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	Cementing Method Employed
				Jts.	Feet	In.	Jts.	Feet	In.				
8-5/8"	24	8R	1394'				43	1384	5	155 R2 SS	A	975	Hallib. 1405'
5-1/2"			5779'				185	5769	0			100	Hallib. 5817' 6"
*See detailed section													
3 1/2" Casing Perforations Open													
Above PE TD 5610' - 5616' with 24 holes													
Below PE TD None													
(8-5/8" casing cut off 3' below ground level, and 5 1/2" cut off 3' below ground level)													

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	12/2/59	12/3/59		
Acid Used Size Shot	500 Gals. Qts.	5000' Sand Gals. Qts.		
Shot Between	5610 Ft. and 5616 Ft.	5610 Ft. and 5616 Ft.		
Size of Shell	Hard Acid	Acid-Frac		
Put in by (Co.)	Dowell	Dowell		
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	
Beebler Shale	4345'						
Toronto Lino	4368'						
Lensing Lino	4510'						
Marmaton Lino	5127'						
Cherokee Lino	5114'						
Morrow Shale	5605'						
Morrow Sand	5610'	5616'	5610'	5616'			Prod. thru cas. perf.
Chester Lino	5662'						

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
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil, sand and clay	0	275	
Sand and clay	275	475	
Red bed	475	1395	Set and cemented 8-5/8" OD, 2 1/2" ID, 3-2, 1-55, S.S. casing (A cond.) at 1394' with 600 sacks of Pozmix cement and 300 sacks of common cement with 2% calcium chloride. Cement did not circulate. Found top of cement behind casing 140' down from top of hole. Recemented around top of cement through 1" pipe with 75 sacks of common cement. Finished cementing at 4:00 p.m. 10/22/59.
Shale and shella	1395	1855	
Shale	1855	2190	
Shale and lime	2190	4555	TOP HESBNER SHALE 4345' TOP TORONTO LIME 4368' TOP LAWING LINE 4510'
Line	4555	4635	
Line and shale	4635	4730	
Line	4730	5600	TOP HANMATH LINE 5127' TOP CHEROKEE LINE 5211'
Cored from 5600' to 5633' - Recovered 33'			
Top 3'6"			Lime, dense, no shows
Next 6"			Shale, green
Next 1'			Sand, green, no shows
Next 1'			Lime, coarse, dense, no shows
Next 6"			Sand, white to green, good odor and stain
TOP MORROW SHALE 5605'			
Next 1'6"			Same with shale streaks
Next 2'			Sand, clean, white, good odor and stain
Next 8'6"			Shale, black with tight sand interbedded
Next 2'			Shale, black
Next 2'			Sand, very tight, no shows
Next 3'			Shale, gray to green
Last 2'			Lime, black and dense
TOP MORROW SAND 5610'			
DRILL STEM TEST NO. 1			
5595' - 5633', open 1 hour, gas to surface in 4 minutes, gas gauged 1,635 MCF in 10 minutes, 2061 MCF in 15 mins., 2,534 MCF in 30 mins., 2,734 MCF in 45 mins., 2,828 MCF in 60 mins., recovered 22' of heavily gas cut and slightly oil and distillate cut mud, IBHP-1865% in 20 minutes, IFF-85%, FFP-44.5%, FHP-17.5% in 20 minutes.			
Cored from 5633' to 5675' - Recovered 42'			
Top 11'			Lime, black and shaly
Next 8'			Shale, black and rotten
Next 1'6"			Lime, black, shaly and dense
Next 2'6"			Lime, brown and dense
Next 1'			Shale, black
Next 6'			Lime, dense
Next 2'6"			Shale, black
Next 4'6"			Lime, dark gray to black with inter-bedded shale
Next 3'6"			Lime, brown to black, coarse, very fossiliferous and dense
Last 2'			Lime, dark brown, crypto-crystalline and shaly
Line and shale	5675	5780	Run Schlumberger Survey
DRILL STEM TEST NO. 2			
5636' - 5780', open 1 hour, weak blow for 50 minutes, then quit, recovered 40' of drilling mud, IBHP-275% in 20 minutes, IFF-35%, FFP-55%, FHP-75% in 20 minutes.			
TOTAL DEPTH 5780'			
Total Depth Reached: 11/21/59			

RECEIVED
 MVR S 2 1898
 CONSERVATION DIVISION
 Michigan, Kansas

Set and cemented 5 1/2" casing at 5779' with 100 sacks of common cement and 400 gallons of Dowell Cement. Finished 9:00 pm 11/22/59. Halliburton Temperature Survey showed top of cement behind 5 1/2" casing at 5000'.

Rigged up cable tools and grabbed and bailed the hole dry to top of cement plug at 5741' on November 30. Ran Welox Collar Locator Survey. Dumped 75 gallons of rock and plugged back from 5741' to 5669'.

PLUGGED BACK TOTAL DEPTH 5669'

Casing Perforation No. 1 - Morrow Sand - 5610'-5616'
 5610'-5616' 24 shots

Flowed through 5 1/2" casing 2 hours, gas gauged 2,470 MCF, no water. Ran 2" tubing. On December 2, treated through 5 1/2" casing from 5610' to 5616' with 500 gallons of Dowell mud acid as follows:

TREATMENT NO. 1 - Acidized - 5610' - 5616'

Treatment put in 12/2/59 by Dowell, using 500 gallons of acid and 131 barrels of water.

TIME	CP	TP	REMARKS
9:52 am			Start acid in annulus
9:57 am			500 gallons acid in, start flush
10:56 am	600%		
10:59 am	450%		
11:02 am	500%		
11:05 am	400%		
11:07 am	400%		Treatment completed

Swabbed through 2" tubing 5 hours and well started flowing. Flowed through 2" tubing 13 hours to clean up hole, gas gauged 1,579 MCF, FCP-400%. On December 3, ran Dowell Acid-Frac through 5 1/2" casing as follows:

TREATMENT NO. 2 - Acid-Frac - 5610'-5616'

Used 6000 gallons Dowell 5% acid
 6000% of sand
 Maximum CP-2200%, minimum CP-1900%
 Time 9 minutes
 Used 145 barrels water to fill hole and flush
 Injection Rate: 19 barrels per minute

Swabbed through 2" tubing 3 hours and well started flowing. Flowed through 2" tubing 6 hours, gas gauged 4,650 MCF, FCP-1000% with light spray of water used in treating.

On December 4, SI CP-1480%. Flowed through 2" tubing and 1 - 2" casing outlet for 25 minutes. Closed casing outlet, then flowed through 2" tubing 1 1/2 hours, gas gauged 5,200 MCF, FCP-1000% with heavy mist of water used in treating. Calculated absolute open flow 9,650 MCF daily.

CASING RECORD:

					LTW	WTW
4 jts.	- 5 1/2" OD, 15.5#, SR, R-2, J-55, S.S.	(B)			117.32	118.37
57 jts.	- 5 1/2" OD, 15.5#, SR, R-2, J-55, SS	(A)			1717.79	1732.65
92 jts.	- 5 1/2" OD, 14#, SR, R-2, J-55, S.S.	(A)			2914.03	2938.18
12 jts.	- 5 1/2" OD, 15.5#, SR, R-2, J-55, S.S.	(A)			1019.66	1028.26
185					5769'	5817.46

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
400'	0 Degrees
875'	3/4 "
1230'	1/4 "
1375'	1/2 "
1650'	1/2 "
2000'	1/2 "
2265'	3/4 "
2550'	1/2 "
2820'	1 "
2955'	1 "
3110'	1 "
3380'	1 "
3700'	1 "
4055'	1 "
4345'	2 "
4520'	1-3/4 "
4635'	2 "
4740'	2 "
4919'	2 "
5105'	1 "

See

RECEIVED
STATE CORPORATION COMMISSION
MAR 25 1968
CONSERVATION DIVISION
Wichita, Kansas