

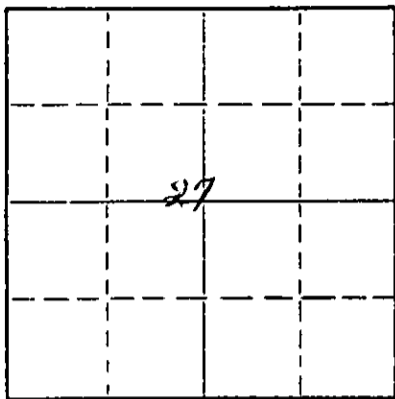
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

NORTH



Locate well correctly on above
Section Plat

Ellis County, Sec. 27 Twp. 11S Rge. (E) 19 (W)
Location as "NE/CNWxSWx" or footage from lines SW/4 NE/4 SE/4
Lease Owner Skelly Oil Company
Lease Name Vine "C" Well No. 4
Office Address 1860 Lincoln Street, Denver, Colorado 80203
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed October 2, 19 53
Application for plugging filed January 24, 19 68
Application for plugging approved January 25, 19 68
Plugging commenced February 2, 19 68
Plugging completed February 6, 19 68
Reason for abandonment of well or producing formation Well was Shut Down
on 8/28/67 as uneconomical to produce.
If a producing well is abandoned, date of last production 19
Was permission obtained from the Conservation Division or its agents before plugging was com-
menced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. Leo Massey
Producing formation Depth to top Bottom Total Depth of Well 3651 Feet
Show depth and thickness of all water, oil and gas formations. PB 3128'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Oil	3641'	3651'	8-5/8"OD	1432' 9"	None
Topeka Lime	Oil	3112'	3121'	5-1/2"OD	3681' 10"	3002'

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.

- 3128' - 3075' --- Sand
- 3075' - 3035' --- 5 Sacks Cement
- 3035' - 550' --- Mud-laden fluid
- 550' - 420' --- Rock Bridge
- 420' - 6' --- 6 yds. Cement
- 6' - Surf. --- Surface Soil

RECEIVED
STATE CORPORATION COMMISSION
AUG 26 1968
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Southwest Casing Pulling Company, Inc.
Address P. O. Box 364, Great Bend, Kansas 67530

STATE OF Colorado, COUNTY OF Denver, ss.
R. L. Wyatt (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.

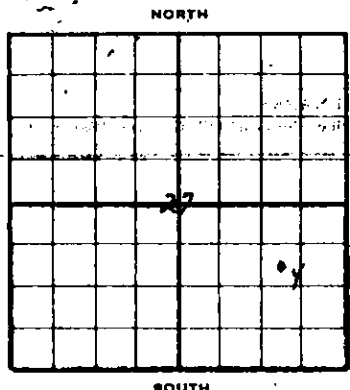
(Signature) R. L. Wyatt
1860 Lincoln Street, Denver, Colorado 80203
(Address)

SUBSCRIBED AND SWORN TO before me this 22nd day of August, 1968

My commission expires June 17, 1970

Mary E. Tuttle
Notary Public.
3641

SKELLY OIL COMPANY



Well Record

2121' RB
2118' DP
2115' BH

Lease Name and No. **T. Vine "C" #34626** Well No. **4** Elev. **2115' BH**
 Lease Description **S/2 Section 27-11E-19N,**
Ellis County, Kansas (320 Acres)
 Location made **August 25, 1953** by **E. S. Tompler**
990 feet from North line **990** feet from East line **SE/4**
 feet from South line feet from West line of **Sec. 22**

Work com'd **8/26** 19 **53** Rig comp'd **8/27** 19 **53** Drlg. com'd **8/27** 19 **53** Drlg. comp'd **9/28** 19 **53**

Rig Contractor **Claude Westworth Drilling Co., Inc.**
 Drilling Contractor **Claude Westworth Drilling Co., Inc., Tulsa, Okla.**

Rotary Drilling from **0'** to **3644'** Cable Tool Drilling from **3644'** to **3651'**

Commenced Producing **October 2, 1953** Initial Prod. before ~~xxxx~~ acid **5 gals. oil per hr.** Bbls.
 Initial Prod. after ~~xxxx~~ acid **POB 8 hrs., 37.01 Bo** Bbls.
47.67 BW to estab. 24 hr. TCC potential

Dry Gas Well Press **of 111 barrels** Volume Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head **(8-5/8" x 5 1/2" OD)** Gas Pressure Volume Cu. ft.

Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION **Arbuckle Line** Top **3641'** Bottom **3651'** TOTAL DEPTH **3651'**

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"	22.75	1					25	1010	5	Arbuckle SW A	A		
8-5/8"	24	8R	1435'				15	422	4	J55 R2 REW A	A	675	Halliburton
5-1/2"	17	8R	3641'				160	681	10	R1 LW A	A	150	Halliburton
(8-5/8" casing level with ground and 5 1/2" cased to derrick floor)													
Used 5 1/2" OD Baker 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

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	9/30/53			
Acid Used				
Size Shot	500	Gals. 500	Gals. 500	Gals. 500
Shot Between	3641 Ft. and 3651 Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	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	
Topeka Limestone	3112'				3115'	3126'	
Wabash Shale	3309'				3174'	3184'	
Toronto Limestone	3327'						
Lansing Limestone	3351'				3386'	3394'	
Conglomerate	3613'						
Simpson	3632'						
Arbuckle Limestone	3639'				3640'	3651'	

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, shale and rock	0	40	
Shale and shells	40	100	
Shells and sand rock	100	420	
Shale and shells	420	640	
Sand and shale	640	1250	
Shale	1250	1415	
Anhydrite	1415	1435	<u>TOP ANHYDRITE 1405'</u> Set and cemented 1010' of 8-5/8" OD, 22.7#, Araco S.W., S.J. steel casing (A cond.); and 422' of 8-5/8" OD, 24#, 82 thd., R-3, J-55, R.E.W. steel casing (A cond.) at 1435' with 400 sacks of common cement, 2% gal, and 100 sacks of cement with 2% calcium chloride. Cement did not circulate. Halliburton Temperature Survey showed top of cement behind 8-5/8" casing at 235'. Perforated 8-5/8" casing with one hole at 235', would not circulate; perforated at 234' with 1 hole and would not circulate; perforated at 210' with 1 hole and broke circulation. Re-cemented 8-5/8" casing with 175 sacks of common cement with 200# of calcium chloride, cement circulated.
Anhydrite and shale	1435	1695	<u>BASE ANHYDRITE 1449'</u>
Salt and shale	1695	1975	
Shale and lime	1975	3055	
Lime	3055	3115	<u>TOP TOPSEA LIME 3112'</u>
Fine crystalline sucrose lime	3115	3126	Good stain and saturation, fair porosity
Lime	3126	3174	
Fine crystalline to chalky lime	3174	3184	Spotted stain, fair porosity
Lime	3184	3386	<u>TOP HILBERER SHALE 3309'</u> <u>TOP TORONTO LIME 3327'</u> <u>TOP LAWING LIME 3351'</u>
Fine crystalline to dense lime	3386	3394	Spotted stain, fair to poor porosity
Lime	3394	3640	<u>TOP COMBONERATE 3613'</u> <u>TOP SIMPSON SECTION 3632'</u> <u>TOP ARBOCKLE LIME 3639'</u>
Medium coarsely crystalline dolomite	3640	3644	Fair to good porosity, fair to good stain and saturation, free oil in samples. Set and cemented 5 1/2" OD, 17#, 82 thd., R-1, South Chester L.W. steel casing (A cond.) at 3641' with Baker stage collar at 2996'. Cemented with 150 sacks of common cement and 2% aquagal. Opened stage collar and circulated 1 hour, then spotted 154 barrels of heavy oil behind 5 1/2" casing, oil circulated. Closed stage collar with 1700#-GP. Finished at midnight 9/9/53.
Gray and brown medium crystalline dolomite	3644	3645	Rigged up cable tools and swabbed the hole dry to 2996' on September 26, and 5 1/2" casing tested dry. Drilled stage collar and cleaned out to 3594' and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to bottom, no shows.
Gray and brown, medium coarsely crystalline dolomite	3645	3648 1/2	Fair porosity and saturation, show of free oil, tested 5 gals. of oil per hour.
Gray to brown, finely crystalline dolomite	3648 1/2	3651	Fair porosity and saturation, no increase in fluid. Tested 5 gallons of oil per hour.
TOTAL DEPTH		3651'	Light porosity and saturation, no increase in oil

Ran Lane-wells Gamma Ray Survey
from 3651' to 0'.

Ran 2" tubing and treated with 500 gallons of Dowell "XAF-32 W-17"
acid as follows:

ACID TREATMENT NO. 1 - Between 3641' and 3651'

Treatment put in 9/30/53 by Dowell Inc., using 500 gallons of acid
and 70½ barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
11:40 am	200'	200'	Filled hole with 68½ barrels of oil
11:46 am	200'	200'	Start 5 gallons jelly seal followed by acid
11:56 am	100'	0'	Jelly seal spotted, acid on bottom
12:05 pm	100'	0'	Start soak flush
2:10 pm	300'	200'	31 gallons of acid in formation
2:37 pm	300'	200'	105 gallons of acid in formation
3:10 pm	300'	250'	160 gallons of acid in formation
3:36 pm	300'	250'	250 gallons of acid in formation
3:55 pm	0'	Vac.	330 gallons of acid in formation
4:27 pm	Vac.	Vac.	500 gallons of acid in formation

Swabbed through 2" tubing 3 hours, 46 barrels of oil used in
treating. Ran rods and well would not pump. Pulled rods and tubing and
reran tubing and rods, POB 5 hours, 30 barrels of oil and 29 barrels
of water.

On October 2, POB 8 hours on physical potential test, 37.01 barrels
of oil and 47.67 barrels of water to establish 24 hour State Corporation
Commission potential of 111 barrels per day. Allowable 25 barrels per
day. Then POB 13 hours, 53 barrels of oil and 135 barrels of water.

On October 3, pulled rods and tubing and dumped 12 gallons of
Dowell plastic followed by 120 barrels of water, no fill up with plastic,
no change in input. On October 4, dumped 8 gallons of Dowell plastic,
no fill up. Ran in 40 barrels of water, reduced input 20 per cent.
Ran steel line measurement, no fill up with plastic. Ran 2½" tubing
with 859' of 2" tubing for tail pipe. Ran rods and POB 4 hours, 27 barrels
of oil and 26 barrels of water. On October 6, POB 5 hours, 15 barrels
of oil and 39 barrels of water. Moved out cable tools.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
500'	0 Degrees
1000'	0 "
1435'	1/2 "
2000'	0 "
2500'	0 "
3000'	0 "

PLUGGING BACK RECORD

Date Commenced: January 28, 1957
Date Completed: February 3, 1957

Plugged back from 3651' to 3128' PB 10-3128'

Production Before: 4 barrels of oil and 196 barrels of water
Production After: POB 24 hours, 20 barrels oil and 27 barrels water

5 1/2" casing perforations open above bridging plug: 3112'-3121' with 54 holes

Open below bridging plug: 3382'-3390' with 48 holes, and 3617'-3622' with 30 holes

Producing Formation: Topeka Lime

Moved in and rigged up cable tools of E. C. Copeland Drilling Company on January 28, 1957. Pulled rods and 2 1/2" tubing. Ran 2" tubing and set HM packer at 3630'. Pressured annulus to 500#. Well took 3 barrels of fluid per minute below retainer at 900#-TP. Cemented off Arbuckle lime with 150 sacks of Special Oil Well Cement, estimated 135 sacks below retainer at 2600#-TP. Reversed out estimated 15 sacks of cement. Pulled 2" tubing and swabbed the hole down to top of retainer at 3630', and hole tested dry.

Perforated 5 1/2" casing from 3617' to 3622' with 30 holes by Lane-wells, no shows. Treated through 5 1/2" casing with 350 gallons of Dowell MCA acid as follows:

ACID TREATMENT NO. 2 - Between 3617' and 3622'

Treatment put in 1/29/57 by Dowell, Inc., using 350 gallons of acid and 87 barrels of oil.

TIME	CP	TP	REMARKS
7:00 pm			Start acid in casing
7:05 pm			Acid in
7:30 pm			Start loading hole
9:00 pm	200#		Hole loaded
9:15 pm	250#		
9:45 pm	400#		
10:00 pm	500#		
10:10 pm	450#		
10:15 pm	450#		Finished flush

Swabbed through 5 1/2" casing 4 hours, 87 barrels of oil used in treating and 6 barrels of acid water. Bailed and tested 4 hours, 2 gallons of water per hour.

Set Baker bridging plug at 3400' and bailed the hole dry. Perforated 5 1/2" casing from 3382' to 3390' with 48 holes by Lane-wells, no shows. Treated through 5 1/2" casing with 500 gallons of Dowell "XF-32" acid as follows:

ACID TREATMENT NO. 3 - Between 3382' and 3390'

Treatment put in 1/30/57 by Dowell, using 500 gallons of acid and 80 barrels of oil.

TIME	CP	TP	REMARKS
1:44 pm			Start acid
1:48 pm			Acid in
1:54 pm			Start loading hole
2:18 pm			Hole loaded
2:30 pm	250#		
2:35 pm	300#		
2:40 pm	200#		
2:45 pm	300#		
2:50 pm	275#		
2:55 pm	200#		Finished flush

Swabbed through 5 1/2" casing 2 hours, 80 barrels of oil used in treating with trace of water, and swabbed to bottom. Bailed and tested 8 hours, 5 gallons of water per hour, no oil.

Set Baker bridging plug at 3128' and bailed the hole dry. Perforated 5 1/2" casing from 3112' to 3121' with 54 holes by Lane-wells, no shows. Treated through 5 1/2" casing with 500 gallons of Dowell "XF-32" acid as follows:

ACID TREATMENT NO. 4 - Between 3112' and 3121'

Treatment put in 1/31/57 by Dowell, using 500 gallons of acid and 85 barrels of oil.

TIME	CP	TP	REMARKS
1:17 pm			Start acid in casing
1:20 pm			Acid in
1:27 pm			Start loading hole
1:57 pm	25#		Hole loaded
2:00 pm			Start flush
2:05 pm	50#		
2:06 pm	Vac.		Finished treatment

2146 COMMUNICATIONS START

Swabbed through 5 1/2" casing 2 hours, 85 barrels of oil used in treating with show of water. Then swabbed 13 hours, 20 barrels of oil and 27 barrels of water. On February 1, reacidised from 3112' to 3121' through 5 1/2" casing with 1500 gallons of Dowell "Gel X-100" acid as follows:

ACID TREATMENT NO. 5 - Between 3112' and 3121'
Treatment put in 2/1/57 by Dowell, using 1500 gallons of acid and 75 barrels of oil.

TIME	CP	TP	REMARKS
11:55 am			Start acid down casing
12:05 pm	Of		Acid in, start to fill hole
12:14 pm	Of		Hole filled
12:22 pm	Of		Flush in
12:23 pm	Vac.		Treatment completed

Swabbed through 5 1/2" casing 2 hours, 80 barrels of oil used in treating and 5 barrels of water. Swabbed 13 hours, 24 barrels of oil and 36 barrels of water. Ran 2" tubing and rods and PCB 14 hours, 20 barrels of oil and 26 barrels of water. On February 3, PCB 24 hours, 20 barrels of oil and 27 barrels of water.

PLUGGED BACK TOTAL DEPTH 3128'

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STATE CORPORATION

761-11-62

[Handwritten signature]