

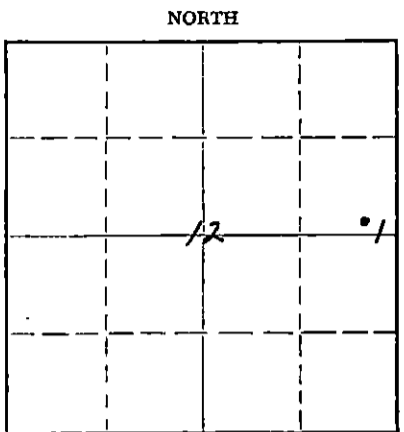
15-119-00051-0000 sec

STATE OF KANSAS  
STATE CORPORATION COMMISSION

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. 12 Twp. 33S Rge. (E) 28(W)  
Location as "NE/CNW/SW" or footage from lines 130' FSL 405' FEL NE/4  
Lease Owner Skelly Oil Company  
Lease Name A. J. Enns Well No. 1  
Office Address P. O. Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed February 3, 19 57  
Application for plugging filed February 5, 19 57  
Application for plugging approved February 6, 19 57  
Plugging commenced February 9, 19 57  
Plugging completed February 16, 19 57  
Reason for abandonment of well or producing formation Dry Hole



Locate well correctly on above Section Plat

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

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 6078 Feet  
Show depth and thickness of all water, oil and gas formations. PB 5713'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Morrow Sand	Dry	5675'		8-5/8"	898'1"	None
Chester	Dry	5735'		5-1/2"	6126'6"	2408'1"
St. Genevieve	Dry	6030'				

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.

30 sacks of cement	5713' to 5450'
Heavy mud	5450' to 545'
Rock bridge	545' to 540'
20 sacks of cement	540' to 480'
Heavy mud	480' to 35'
Rock bridge	35' to 30'
10 sacks of cement	30' to 5'
Surface soil	5' to 0'

RECEIVED  
STATE CORPORATION COMMISSION  
2-28-57  
FEB 28 1957

(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 Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of 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) \_\_\_\_\_  
P.O. Box 391, Hutchinson, Kansas  
(Address)

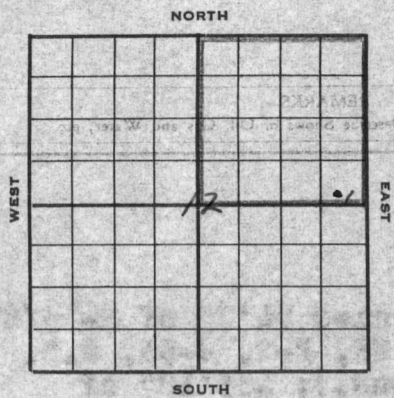
SUBSCRIBED AND SWORN TO before me this 28th day of February, 19 57

My commission expires April 7, 1959  
Josephine L. Johnson Notary Public.

PLUGGING  
FILE SEC 12 T 33 R 28W  
BOOK PAGE 139 LINE 5

15-119-00051-0000

# SKELLY OIL COMPANY



## Well Record

Lease Name and No. A. J. Enns 744116 Well No. 1 Elev. 2452' BH  
 Lease Description NE/4 Section 12-33E-28W,  
Meade County, Kansas (160 Acres)  
 Location made November 28, 1956 by Meade County Engineer  
130 feet from North line 405 feet from East line NE/4  
130 feet from South line 130 feet from West line of Sec. 12

Work com'd. 11/29 56 Rig comp'd. 11/30 56 Drlg. com'd. 11/30 56 Drlg. comp'd. 1/3 57  
 Rig Contractor Danforth Drilling Company  
 Drilling Contractor Danforth Drilling Company, Tulsa, Oklahoma  
 Rotary Drilling from 0' to 6078' Cable Tool Drilling from To complete to         

Commenced Producing DRY HOLE 1956 { Initial Prod. before shot or acid          Bbls.  
 Initial Prod. after shot or acid          Bbls.  
 Dry Gas Well Press.          Volume          Cu. ft.  
 Casing Head Gas Pressure          Volume          Cu. ft.  
 Braden Head (8-5/8" 25# OD) Gas Pressure          Volume          Cu. ft.  
 Braden Head (        ) Gas Pressure          Volume          Cu. ft.

PRODUCING FORMATION DRY HOLE (Name) Top          Bottom          TOTAL DEPTH 6078'

### 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"	32	8R					3	94	7	R2 J55 SS B			
8-5/8"	32	8R					22	568	11	R2 SS C			
8-5/8"	24	8R					2	65	9	R2 J55 SS A			
8-5/8"	24	8R	904'				7	168	10	R2 J55 RW B	500	Halliburton	
5-1/2"	15 1/2	8R		75	2408	L	41	335	2	R2 J55 SS B			
5-1/2"	17 1/2	8R					9	282	0	R2 H40 SS C			
5-1/2"	15 1/2	8R					5	85	0	R2 J55 SS C			
5-1/2"	14	8R	6078'				64	2011	9	R2 J55 SS A	600	Halliburton	

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	<u>1/30/57</u>	<u>1/31/57</u>	<u>2/1/57</u>	
Acid Used Size Shot	<u>500</u> Gals. Qts.	<u>500</u> Gals. Qts.	<u>        </u> Gals. Qts.	<u>        </u> Gals. Qts.
Shot Between	<u>5796</u> Ft. and <u>5804</u> Ft.	<u>5678</u> Ft. and <u>5704</u> Ft.	<u>5678</u> Ft. and <u>5704</u> Ft.	<u>        </u> Ft. and <u>        </u> Ft.
Size of Shell				
Put in by (Co.)	<u>Dowell Inc.</u>	<u>Dowell Inc.</u>	<u>Dowell Inc.</u>	
Length anchor				
Distance below Cas'g			<u>Diesel-Frac</u>	
Damage to Casing or Casing Shoulder				

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Lansing Line	<u>4590'</u>						
Marmaton Line	<u>5202'</u>						
Cherokee Line	<u>5401'</u>						
Morrow Shale	<u>5672'</u>						
Morrow Sand	<u>5675'</u>						
Chester	<u>5735'</u>						
St. Genevieve	<u>6030'</u>						

### 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)

15-11-1000-000

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil, sand, and gravel	0	250	
Sand and shells	250	528	
Red bed and shells	528	1196	Set and cemented 94' 7" of 8-5/8" casing (B cond.); 435' 10" of 8-5/8" casing (C cond.); 65' 9" of 8-5/8" casing (A cond.); 168' 10" of 8-5/8" casing (B cond.); and 133' 1" of 8-5/8" casing (C cond.) at 409' with 250 sacks of common cement and 250 sacks of common cement with 4 sacks of calcium chloride. Cement circulated.
Red bed and gyp	1196	1433	
Anhydrite	1433	1450	
Sandy shale and red bed	1450	1486	
Shale and red bed	1486	1872	
Line and shale	1872	4786	TOP LANSING LINE 4590'
Line	4786	4815	
Line and shale	4815	5046	Run Halliburton drill stem test No. 1, packer set at 5010', used 36" anchor, open 1 hour, weak blow for 1 hour, recovered 1110' of muddy salt water, IFF-40%, FFF-50%, BHP-1780' in 20 min.
Line and shale	5046	5367	Run Halliburton drill stem test No. 2, packer set at 5336', used 41" anchor, open 1 hour, light blow for 9 minutes, recovered 70' of drilling mud, IFF-20%, FFF-50%, BHP-1610'. TOP HANLON LINE 5202'
Line and shale	5367	5669	TOP CHESTER LINE 5401' TOP HANLON SHALE 5672'
<b>Cored from 5669' to 5716' - Recovered 43'</b>			
Top 4'			Dark brown lithographic to fine crystalline lime, dense
Next 2'			Black carbonaceous shale
Next 1'			Coal
Next 10'			Dark gray, fine grained glauconitic, very shaly sand, slight porosity, slight show of gas
Next 2'			Tan, coarsely crystalline, fossiliferous, glauconitic dense lime
Next 1'			Gray, fine grained, glauconitic, quartitic dense sand
Next 4'			Tan, coarsely crystalline, fossiliferous, glauconitic lime, dense with streaks of shale
Next 2'			Same with slight porosity, slight show of gas
Next 3'			Green, fine grained, glauconitic sand, slight porosity, slight show of gas
Next 6'			Tan, coarsely crystalline, fossiliferous lime, slight porosity, slight show of gas
Next 8'			Dark gray to brown, fine to coarse crystalline fossiliferous dense lime with streaks of shale.
Line and shale	5716	5822	Run Halliburton drill stem test No. 3, packer set at 5655', used 41" anchor, open 1 hour, slight blow for 29 minutes, recovered 2' of drilling mud, IFF-50%, FFF-50%, BHP-75' in 20 minutes. TOP CHESTER 5735'
Line and shale	5822	6078	Run Halliburton drill stem test No. 4, packer set at 5714', used 108" anchor, open 1 hour, weak blow for 8 min., recovered 5' of drilling mud, IFF-20%, FFF-20%, BHP-220' in 25 minutes. TOP ST. CECILIE LINE 6030'
Line and shale			Run Halliburton drill stem test No. 5, packer set at 5952', used 120" anchor, open 1 hour, light blow for 15 minutes, recovered 75' of drilling mud, IFF-100%, FFF-110%, BHP-450' in 20 minutes.
<b>TOTAL DEPTH 6078'</b>			

(See Reverse for Record of Formation)

Set and cemented 2743' of 5 1/2" OD, 15.5#, 8R, J-55, R-2, S.S. casing (A cond.); 282' of 5 1/2" OD, 17#, 8R, R-2, R-40, S.S. casing (C cond.); 85' of 5 1/2" OD, 15.5#, 8R, R-2, J-55, S.S. casing (C cond.); 2011' of 5 1/2" OD, 14#, 8R, R-2, J-55, S.S. casing (A cond.); and 1004' of 5 1/2" OD, 15.5#, 8R, R-2, J-55, S.S. casing (A cond.) at 6078' with 300 sacks of common cement. Finished cementing at 4:30 p.m. 1/5/57.

Rigged up cable tools on January 21, bailed hole down, and cleaned out to 6001', hole tested dry. Perforated 5 1/2" casing from 5796' to 5804' with 48 shots by Welex jet. Hole filled 3300' with mud and cement. Ran 2" tubing open end to 4000', mud would not circulate out. Pulled 2" tubing, mixed 50 sacks of aquagel and 25 sacks of Baroid weight mud to hold fluid down inside of 5 1/2" casing. Ran 2" tubing and set Halliburton SM retainer at 5765', then recemented 5 1/2" casing through perforations from 5796' to 5804' with 300 sacks of common cement. Pulled 2" tubing and shut down for cement to set. Bailed and swabbed the hole dry on January 27. On January 29, drilled out retainer at 5765' and drilled cement plug and cleaned out to 5865'. Plugged back with rock from 5865' to 5857'. Perforated 5 1/2" casing from 5796' to 5804' with 48 holes by Welex, no shows. Treated through 5 1/2" casing from 5796' to 5804' with 500 gallons of Dowell mud acid as follows:

ACID TREATMENT NO. 1 - Between 5796' and 5804'

Treatment put in 1/30/57 by Dowell Inc., using 500 gallons of acid and 140 barrels of water.

TIME	CP	TF	REMARKS
11:40 am			Start acid in casing
11:44 am			Acid in
11:53 am			Start flush
12:16 pm			Casing loaded with 128 barrels water
12:18 pm	100%		
12:31 pm	400%		
12:53 pm	500%		
2:35 pm	600%		
2:40 pm	650%		
2:47 pm	675%		Treatment completed

Swabbed out water and spent acid used in treating; then swabbed 9 hours, no gas with 6 gallons of water per hour (water used in treating).

Set Baker bridging plug at 5721'. Perforated 5 1/2" casing from 5694' to 5704' with 60 Welex Jet shots and from 5678' to 5683' with 30 Welex Jet shots. Loaded hole with 1000 gallons of water, then perforated 5 1/2" casing with 1 shot at 5697', 1 shot at 5701', and 1 shot at 5680'. Swabbed out water used to load hole, no gas or water. Plugged back with 1 sack of Cal-Seal from 5721' to 5713'. Treated with 500 gallons of Dowell mud acid as follows:

ACID TREATMENT NO. 2 - Between 5678' and 5683' and 5694'-5704'

Treatment put in 1/31/57 by Dowell Inc., using 500 gallons of acid and 137 barrels of water.

TIME	CP	TF	REMARKS
10:47 am			Start acid in casing
10:49 am			500 gallons acid in casing, start flush
11:09 am	1500%		
11:13 am	250%		
11:22 am	650%		
1:02 pm	750%		
1:55 pm	800%		Treatment completed

Swabbed out water used in treating, then ran Dowell Diesel-Frac as follows:

DIESEL-FRAC TREATMENT NO. 1 - 5678'-83' and 5694'-5704'

- Used 500 gallons of diesel fuel
- 30,000 gallons gelled diesel fuel
- 30,000# of sand
- 500 gallons of diesel fuel
- Maximum CP-2700#, broke to 1900#
- Time 36 minutes
- Used 130 barrels water to flush

Flowed through 5 1/2" casing 3 hours to clean up hole, then swabbed through 5 1/2" casing 12 hours, swabbed out diesel oil used in treating and gas gauged 5 MCF.

Since all probable zones of production had been tested, regular authority was granted to plug and abandon the well.

On February 9, rigged up machine and plugged the well as follows:

MAINTENANCE  
COMPLETION DIVISION  
JAN 31 1957

BOOK BY/138 FINE 2  
DATE 20 15 1 23 1957  
PLUGGING

30 sacks of cement

5713' to 5450'

Shot off 5 1/2" casing at 4015', 3506', 3400', 3120', 2975', 2912', 2844', 2782', and 2720', and casing would not pull. Shot off at 2400' and pulled 2408' of 5 1/2" OD, 15.5#, 8R thd., R-2, J-55, S.S. casing (33' in D cond.) balance "B" condition.

Heavy mud	5450' to 545'
Rock bridge	545' to 540'
20 sacks of cement	540' to 480'
Heavy mud	480' to 35'
Rock bridge	35' to 30'
10 sacks of cement	30' to 5'
Surface soil	5' to 0'

Plugged and abandoned February 16, 1957.

SLOPE TEST DATA

<u>DEPTH</u>	<u>ANGLE OF DEFLECTION</u>
100'	3/4 Degrees
200'	3/4 "
450'	1 "
700'	3/4 "
1500'	3/4 "
2000'	1/4 "
2500'	1/4 "
3000'	1/2 "
3500'	1/2 "
3962'	3/4 "
4500'	1/2 "
5000'	0 "
5500'	1/4 "

PLUGGING  
 FILE SEC 12 T 33 R 28  
 BOOK PAGE 139 LINE 5

STATE CONSERVATION COMMISSION  
 FEB 28 1957  
 CONSERVATION DIVISION  
 Wichita, Kansas