

WELL PLUGGING RECORD

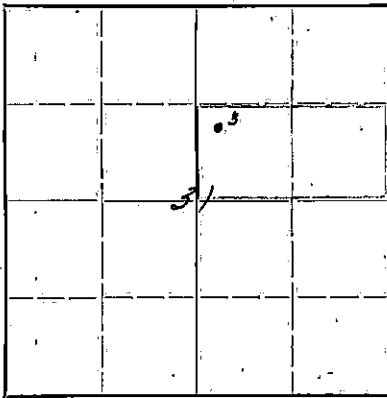
FORMATION PLUGGING RECORD

OR 15-009-05567-8000

Strike out upper line when reporting plugging of formations.

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Blitting Building  
Wichita, Kansas

NORTH



Locate well correctly on above Section Flat

Barton County Sec. 31 Twp. 16S Rge. (E) 11(W)  
Location as "NE 1/4 NW 1/4 SW 1/4" or footage from lines. 990' FSL & 330' FWL NE/4  
Lease Owner. Skelly Oil Company  
Lease Name. Frank R. Valenta Well No. 3  
Office Address. Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed. October 10, 1947  
Application for plugging filed. October 14, 1947  
Application for plugging approved. October 17, 1947  
Plugging commenced. October 20, 1947  
Plugging completed. October 25, 1947  
Reason for abandonment of well or producing formation. Dry Hole

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. H. W. Kerr  
Producing formation. Depth to top. Bottom. Total Depth of Well. 3290 Feet  
Show depth and thickness of all water, oil and gas formations.

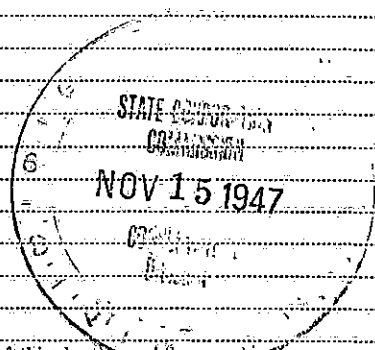
OIL, GAS OR WATER RECORDS

CASING RECORD

| Formation    | Content | From  | To    | OD Size | Put In  | Pulled Out |
|--------------|---------|-------|-------|---------|---------|------------|
| Lansing Lime | Dry     | 3035' | 3152' | 8-5/8"  | 399'0"  | None       |
| Topeka Lime  | Dry     | 2700' | 2917' | 5-1/2"  | 3312'0" | 2506'4"    |

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 hold. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Lane-Wells bridging plug 2917'  
Crushed rock 2917' to 2870'  
6 sacks of cement 2870' to 2822'  
Mud laden fluid 2822' to 396'  
15 sacks of cement 396' to 351'  
Mud laden fluid 351' to 20'  
5 sacks of cement 20' to 5'  
Surface soil 5' to 0'



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

Correspondence regarding this well should be addressed to Skelly Oil Company  
Address. Box 391, Hutchinson, Kansas

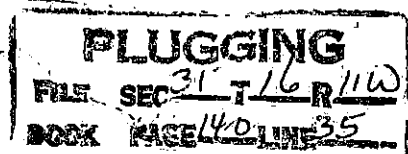
STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of owner) of the above-described well,  
being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) [Signature]  
Box 391, Hutchinson, Kansas (Address)

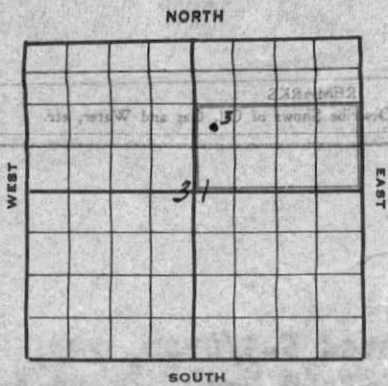
SUBSCRIBED AND SWORN to before me this 14th day of November, 1947

My commission expires April 7, 1951

[Signature] Notary Public



# SKELLY OIL COMPANY



## Well Record

Lease Name and No. Frank A. Valenta #9697 Well No. 3 Elev. 1903' LF  
 Lease Description 8/2 33/4 Sec. 31-163-117,  
Barton County, Kansas  
 Location made July 31, 19 47 by Barton County Engineer  
33/4  
990 feet from North line 330 feet from East line  
990 feet from South line 330 feet from West line of Sec. 31

Work com'd 8/24 19 47 Rig com'p'd 8/26 19 47 Drlg. com'd 8/27 19 47 Drlg. com'p'd 9/7 19 47  
 Rig Contractor Claude Wentworth Drilling Company  
 Drilling Contractor Claude Wentworth Drilling Company, Tulsa, Oklahoma  
 Rotary Drilling from Top to 3290' Cable Tool Drilling from \_\_\_\_\_ to \_\_\_\_\_

Commenced Producing DRY HOLE 19 \_\_\_\_\_  
 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 Size 5 1/2" OD) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Braden Head ( \_\_\_\_\_ Size \_\_\_\_\_ ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

PRODUCING FORMATION DRY HOLE (Name) Top \_\_\_\_\_ Bottom \_\_\_\_\_ TOTAL DEPTH 3290'

### 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"  | 28# | 3H    | 396       |            |      |     | 13      | 393  | 3   | H40 R2 33 A |        | 175        | Halliburton     |
| 5-1/2"  | 14# | 8H    | 3289      | 79         | 2506 | 4   | 25      | 805  | 8   | H40 R2 33 A |        | 125        | Halliburton     |
| (8-5/8" OD casing set 6' in cellar)   |     |       |           |            |      |     |         |      |     |             |        |            |                 |
| Perforated 5 1/2" casing with 69 holes from 2871'-85'; 72 holes from 3134'-40'; 2873'-85' with 69 holes; 35 holes from 3182'-90' (Holes from 2871'-85' and from 3134'-40' cemented off) |     |       |           |            |      |     |         |      |     |             |        |            |                 |
| Used 1 - 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                                | 9/14/47               | 9/16/47               | 9/21/47               |  |
| Acid Used                           | 500                   | 3000                  | 500                   |  |
| Size Shot                           |                       |                       |                       |  |
| Shot Between                        | 2871 Ft. and 2885 Ft. | 2871 Ft. and 2885 Ft. | 3182 Ft. and 3190 Ft. |  |
| Size of Shell                       | (12-18)               | "12-16"               | "12-18"               | For remaining treatments see body of log |
| Put in by (Co.)                     | Dowell                | Dowell                | Dowell                |  |
| Length anchor                       |                       |                       |                       |  |
| Distance below Cas'g                |                       |                       |                       |  |
| Damage to Casing or Casing Shoulder | NONE                  | NONE                  | NONE                  |  |

### SIGNIFICANT GEOLOGICAL FORMATIONS

| NAME                  | Top   | Bottom | GAS  |    | OIL  |      | REMARKS                 |
|-----------------------|-------|--------|------|----|------|------|-------------------------|
|                       |       |        | From | To | From | To   |                         |
| Topoka Lino           | 2700' |        |      |    | 2875 | 2885 | porous, fair saturation |
| Heabner shale         | 2923' |        |      |    |      |      |                         |
| Lansing Lino          | 3035' |        |      |    |      |      |                         |
| PreCambrian quartzite | 3288' |        |      |    |      |      |                         |

### 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 |                |                |                                   |              |             | " " " " "                      |

**PLUGGING**

SEC 31 T 16 R 116  
 PAGE 140 LINE 35

(See Reverse for Record of Formation)

# RECORD OF FORMATIONS

| FORMATION                          | WELL RECORD | TOP  | BOTTOM | REMARKS |
|------------------------------------|-------------|------|--------|---------|
| Surface soil, lime, shale and sand |             | 0    | 100    |         |
| Shale, sand and sand rock          |             | 100  | 195    |         |
| Sand                               |             | 195  | 215    |         |
| Shale and sand                     |             | 215  | 290    |         |
| Shale and shells                   |             | 290  | 396    |         |
| Sand and clay                      |             | 396  | 450    |         |
| Sticky shale                       |             | 450  | 500    |         |
| Red bed and shale                  |             | 500  | 735    |         |
| Anhydrite                          |             | 735  | 760    |         |
| Shale and red bed                  |             | 760  | 1050   |         |
| Shale and salt                     |             | 1050 | 1250   |         |
| Shale and sand                     |             | 1250 | 1330   |         |
| Shale and lime                     |             | 1330 | 1490   |         |
| Lime                               |             | 1490 | 1590   |         |
| Lime and shale                     |             | 1590 | 1910   |         |
| Broken lime                        |             | 1910 | 2065   |         |
| Lime and shale                     |             | 2065 | 2320   |         |
| Shale and lime shells              |             | 2320 | 2415   |         |
| Lime and shale                     |             | 2415 | 2495   |         |
| Sandy lime and shale               |             | 2495 | 2605   |         |
| Lime and shale                     |             | 2605 | 3035   |         |
| Line                               |             | 3035 | 3134   |         |
| Buff, very porous oolitic lime     |             | 3134 | 3152   |         |
| Line                               |             | 3152 | 3288   |         |
| Quartzite                          |             | 3288 | 3290   |         |
| TOTAL DEPTH                        |             |      | 3290'  |         |

Set and cemented 5-5/8" OD, 20' 3rd. thread, Grade H-40, Range 2, Seamless Steel casing at 396' with 175 sacks of cement and 3 1/2 sacks of aquagal.

**100% CEMENT LINE 2700'**  
 (Porous oolitic lime from 2875' to 2885', fair saturation)  
**TOP BANNER SHALE 2928'**  
**TOP LIME LINE 3035'**  
**TOP PRE-CAMBRIAN QUARTZITE 3288'**  
 Set and cemented 5-5/8" OD, 14' 3rd. thread, Grade H-40, Range 2, Seamless Steel (A & B Condition) casing at 3288' with 125 sacks of cement and 5 sacks of aquagal. Finished cementing at 11:15 AM 9/7/47.

Moved in and rigged up cable tools on September 12, bailed the hole dry and 5 1/2" casing tested OK. Drilled cement plug to 3274' and on September 13, perforated 5 1/2" casing from 2871' to 2885' with 60 holes by Lane-wells, show of mud, no oil, gas or water.

On September 14, ran 2" tubing and treated with 500 gallons of Dowell "XF-18" acid as follows:

| TIME    | CP  | TP  | REMARKS  |
|---------|-----|-----|--|
| 2:15 PM | 200 | 200 | Filled hole with 78 barrels of oil                             |
| 2:25 PM | 300 | 25  | 500 gallons of acid in hole, on bottom, started flush          |
| 2:29 PM | 750 | 450 | Flushed hole with 1/4 barrel of oil                            |
| 2:39 PM | 400 | 200 | Flushed hole with 4 1/2 barrels of oil                         |
| 2:40 PM | 350 | 350 | Hole flushed with 1 1/2 barrels of oil and treatment completed |

After acid treatment swabbed through 2" tubing off bottom 15 hours, 49.60 barrels of oil and 24 barrels of acid water. Filled tubing and swabbed through 5 1/2" casing 6 hours, 7.60 barrels of oil and 4 1/2 barrels of water.

On September 16, treated through 5 1/2" casing with 3000 gallons of Dowell "XF-16" acid as follows:

| TIME    | CP  | TP | REMARKS   |
|---------|-----|----|---|
| 2:15 PM |     |    | Start acid with one pump                                    |
| 2:23 PM |     |    | 1000 gallons of acid in hole, with cap                      |
| 2:33 PM |     |    | 3000 gallons of acid in hole, with cap                      |
| 2:35 PM | 150 |    | 5 barrels of oil in hole to flush, hole loaded              |
| 2:45 PM | 300 |    | Flushed hole with 40 barrels of oil                         |
| 3:00 PM | 400 |    | Flushed hole with 68 barrels of oil                         |
| 3:05 PM | 350 |    | Flushed hole with 76 barrels of oil and treatment completed |

After acid treatment swabbed through 5 1/2" casing 10 hours, 76 barrels of oil and 53 barrels of acid water. On September 17, swabbed 8 hours, no oil and 3 barrels of water. Cemented off perforations from 2871' to 2885' with 75 sacks of cement. On September 20, drilled cement plug and cleaned out to bottom and casing tested OK.

**PLUGGING**

On September 21, perforated 5 1/2" casing from 3182' to 3190' with 35 holes by Lane-wells, show of oil stained rotary mud. Treated with 900 gallons of Dowell "IF-18" acid through 5 1/2" casing as follows:

ACID TREATMENT NO. 3 - Between 3182' and 3190'

Treatment put in 9/21/47 by Dowell Inc., using 900 gallons of acid and 12 barrels of oil to flush.

| TIME    | CF  | TP | REMARKS   |
|---------|-----|----|---|
| 6:55 PM | 450 |    | 500 gallons of acid in hole                                 |
| 7:05 PM | 500 |    | 1 barrel of oil in hole to flush                            |
| 7:10 PM | 475 |    | 4 1/2 barrels of oil in hole to flush                       |
| 7:15 PM | 450 |    | 9 1/2 barrels of oil in hole to flush                       |
| 7:17 PM | 450 |    | Flushed hole with 12 barrels of oil and treatment completed |

After acid treatment swabbed through 5 1/2" casing 9 hours, 72 barrels of oil and 13 barrels of water. On September 22, swabbed through 5 1/2" casing 3 hours, no oil and 1 1/2 barrels of water per hour. Ran Halliburton Yowell tool on 2" tubing and tested casing for leak from 2871' to 2885' with 500 TP, then ran tool to top 3145' with bottom at 3224', and treated with 1000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 4 - Between 3182' and 3190'

Treatment put in 9/22/47 by Halliburton, using 1000 gallons of acid and 13 barrels of oil to flush.

| TIME    | CF | TP   | REMARKS  |
|---------|----|------|--|
| 1:50 AM |    | 1200 | 510 gallons of acid in hole                                  |
| 1:55 AM |    | 800  | 750 gallons of acid in hole                                  |
| 2:00 AM |    | 600  | 1000 gallons of acid in hole                                 |
| 2:25 AM |    | 850  | Flushed hole with 13 barrels of oil and treatment completed. |

Pulled tubing and Yowell tool, reran tubing and swabbed through 2" tubing 24 hours, 27 barrels of oil and 72 barrels of water.

On September 24, pulled 2" tubing and perforated 5 1/2" casing from 3134' to 3140' with 24 - 9/16" holes by Lane-wells. Ran Halliburton Yowell tools on 2" tubing with top tool at 3081' and bottom tool at 3146'. Treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 5 - Between 3134' and 3140'

Treatment put in 9/24/47 by Halliburton, using 500 gallons of acid and 15 barrels of oil to flush.

| TIME     | CF | TP  | REMARKS  |
|----------|----|-----|--|
| 9:35 PM  |    |     | Acid on bottom   |
| 9:45 PM  |    | 200 | 150 gallons of acid in formation                             |
| 10:00 PM |    | 200 | 500 gallons of acid in formation                             |
|          |    |     | Flushed hole with 15 barrels of oil and treatment completed. |

After acid treatment swabbed through 2" tubing 5 hours, 15 barrels of oil and 43 barrels of water. On September 25, swabbed through 2" tubing 18 hours, no oil and 40 barrels of water.

On September 26, pulled 2" tubing and ran Halliburton packer, top of packer at 3129' and bottom at 3144'. Acidized through perforations with 2000 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 6 - Between 3134' and 3140'

Treatment put in 9/26/47 by Halliburton, using 2000 gallons of acid and 48 barrels of oil to flush.

| TIME    | CF  | TP  | REMARKS   |
|---------|-----|-----|---|
| 3:40 PM |     | 400 | 700 gallons of acid in formation                            |
| 3:50 PM |     | 200 | 1500 gallons of acid in formation and started flush         |
| 4:00 PM | 400 | 300 | 2000 gallons of acid in formation                           |
|         |     |     | Hole flushed with 48 barrels of oil and treatment completed |

After acid treatment swabbed through 2" tubing 12 hours, 48 barrels of oil and 36 barrels of acid water.

On September 27, ran Halliburton Yowell tools on 2" tubing and established circulation through perforations in 5 1/2" casing from 3134' to 3140' to 2871'. Pulled 2" tubing and Yowell tool, set Halliburton bridging plug at 3160', ran Halliburton cement retainer on 2" tubing and set retainer at 3100'. On September 26, cemented off perforations from 3134' to 3140' with 75 sacks of cement, TP-600, raised tubing to 2856' and cemented off perforations from 2871' to 2875' with 125 sacks, pressured to 1000, then pulled tubing and shut down for cement to set.

On October 1, swabbed and bailed hole dry, drilled cement plug from 2856' to 2885'; then tested 8 hours, no oil and 1 barrel of water per hour. On October 2nd, ran 2" tubing and recemented perforations in 5 1/2" casing from 2871' to 2885' with 100 sacks of cement, 50 sacks went into formation, circulated out 30 sacks of cement, pressured to 1500, pulled 2" tubing and shut down for cement to set.

800

On October 4, swabbed hole dry, drilled cement plug and cleaned out to 3142' and 5 1/2" casing tested OK. On October 7, perforated 5 1/2" casing from 3134' to 3140' with 48 - 9/16" holes by Lane-wells. Ran 2" tubing and treated with 500 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 7 - Between 3134' and 3140'

Treatment put in by Halliburton 10/7/47 using 500 gallons of acid and 73 barrels of oil.

| TIME    | OP   | TP   | REMARKS                                |
|---------|------|------|--|
| 7:15 PM |      |      | Hole loaded                            |
| 7:35 PM |      |      | 500 gallons of acid in hole, on bottom |
| 7:48 PM | 800' | 600' | 50 gallons of acid in formation        |
| 7:55 PM | 800' | 600' | 300 gallons of acid in hole            |
| 8:00 PM | 600' | 600' | 500 gallons of acid in formation       |

After acid treatment swabbed through 2" tubing 24 hours, 73 barrels of oil and 20 barrels of water. Next 12 hours, swabbed scum of oil and 11 barrels of water. On October 9, pulled 2" tubing and set Lane-wells bridging plug at 2917', then perforated 5 1/2" casing from 2873' to 2885' with 69 - 9/16" holes by Lane-wells. Ran 2" tubing and treated with 1000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 8 - Between 2873' and 2885'

Treatment put in 10/9/47 by Halliburton, using 1000 gallons of acid and 54 barrels of oil to fill hole and to flush.

| TIME     | OP   | TP   | REMARKS   |
|----------|------|------|---|
| 12:30 AM |      |      | Filled hole with 40 barrels of oil                          |
| 12:35 AM |      |      | 1000 gallons of acid in hole, on bottom                     |
| 12:40 AM | 700' | 600' | 250 gallons of acid in formation                            |
| 12:43 AM | 600' | 500' | 500 gallons of acid in formation                            |
| 12:48 AM | 400' | 400' | 1000 gallons of acid in formation                           |
|          |      |      | Flushed hole with 14 barrels of oil and treatment completed |

After acid treatment swabbed through 2" tubing 5 hours, 38 barrels of oil and 7 barrels of acid water. Pulled 2" tubing and swabbed through 5 1/2" casing to bottom, 25 barrels of oil and 10 barrels of water. Bailed hole clean and tested 12 hours, scum of oil and 1 barrel of water per hour.

Since the well did not show commercial quantity of oil in the zones tested, regular authority was granted to plug and abandon the well. On October 25, the well was plugged as follows:

|                                    |       |       |
|------------------------------------|-------|-------|
| Lane-wells bridging plug           | 2917' | 2917' |
| Crushed rock                       | 2917' | 2870' |
| 6 sacks of cement and laden fluid  | 2870' | 2822' |
| 15 sacks of cement and laden fluid | 2822' | 396'  |
| 5 sacks of cement                  | 396'  | 351'  |
|                                    | 351'  | 20'   |
|                                    | 20'   | 5'    |
| Surface soil                       | 5'    | 0'    |

SLOPE TEST DATA

| DEPTH | ANGLE OF REFLECTION |
|-------|---------------------|
| 250'  | 0 Degrees           |
| 500'  | 3/4 "               |
| 750'  | 3/4 "               |
| 1000' | 0 "                 |
| 1250' | 0 "                 |
| 1500' | 0 "                 |
| 2000' | 1/2 "               |
| 2250' | 0 "                 |
| 2500' | 1/2 "               |
| 2700' | 1/2 "               |
| 3150' | 1/2 "               |