

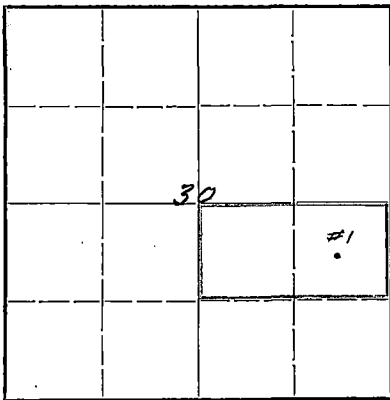
STATE OF KANSAS
CORPORATION COMMISSION

WELL PLUGGING RECORD

FORMATION PLUGGING RECORD

Strike out upper line
when reporting plug-
ging off formations.Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bittling Building
Wichita, Kansas

NORTH

Locate well correctly on above
Section Plat

Kingman County. Sec. 30 Twp. 27S Rge. (E) 10 (W)
Location as "NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines. C NE $\frac{1}{4}$ SE $\frac{1}{4}$
Lease Owner. Skelly Oil Company
Lease Name. Miles "G" Well No. 1
Office Address. Box 391, Hutchinson, Kansas
Character of Well (completed as Oil, Gas or Dry Hole). Gas
Date well completed. October 27 1940
Application for plugging filed. February 20 1946
Application for plugging approved. (Verbally) February 20 1946
Plugging commenced. February 23 1946
Plugging completed. February 23 1946
Reason for abandonment of well or producing formation. Depleted gas well

If a producing well is abandoned, date of last production. May 1 1945
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. Ruel Durkee
Producing formation. Viola Lime Depth to top. 4022' Bottom. 4039' Total Depth of Well. 4040 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 |
|--------------|-----------------|-------|-------|----------|--------|------------|
| Lansing Lime | Slightly porous | | | 8-5/8"OD | 358' | None |
| | & oil stained | 3405' | 3628' | 5-1/2"OD | 4055' | 3012' |
| Viola Lime | Gas | 4022' | 4039' | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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.

3-1/2' of sand 4040' to 4036 $\frac{1}{2}$ '
Dowell plastic 4036 $\frac{1}{2}$ ' to 4027'
Mud laden fluid 4027' to 3640'
Lane-Wells bridging plug set at 3640'
Mud laden fluid 3640' to 3586'
Lane-Wells bridging plug set at 3586'
Mud laden fluid 3586' to 3516'
Lane-Wells bridging plug set at 3516'
Mud laden fluid 3516' to 3492'
Filled hole with sand 3492' to 3472'
6 sacks of cement 3472' to 3422'
Mud laden fluid 3422' to 300'
Wood plug and 15 sacks of cement 300' to 260'
Mud laden fluid 260' to 10'
Wood plug and 5 sacks of cement 10' to 6'
Surface soil 6' 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

H. E. Wamsley (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)

Box 391, Hutchinson, Kansas

(Address)

SUBSCRIBED AND SWORN to before me this 5th day of March, 1946

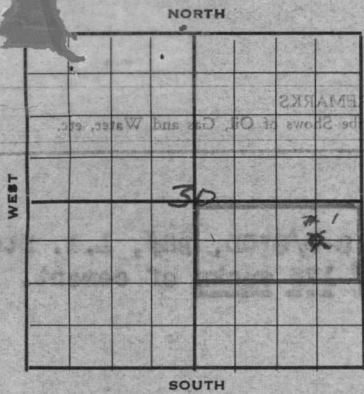
My commission expires April 7, 1947

Notary Public.

15-095-19106-0001

SKELLY OIL COMPANY

Well Record



Lease Name and No. Miles "G" #20298 Well No. 1 Elev. 1666' DF
Lease Description S/2 NW/4 & NW/4 SW/4, Sec. 29 and N/2 SE/4, Sec. 30-
279-104, Kingman County, Kansas
Location made Sept. 25, 19 40 by Kingman County Engineer
660 feet from North line 660 feet from East line SE/4
feet from South line feet from West line of Sec. 30

Rig com'd Sept. 29, 19 40 Rig comp'd Sept. 31, 19 40 Drlg. com'd Oct. 3, 19 40 Drlg. comp'd Oct. 26, 19 40

Rig Contractor Rig built by drilling contractor

Drilling Contractor Ruso Drilling Company, Tulsa, Oklahoma.

Rotary Drilling from Top to 4026' Cable Tool Drilling from 4026' to 4040'

Commenced Producing October 27, 19 40 { Initial Prod. before shot or acid Bbls.
Initial Prod. after shot or acid Bbls.

Dry Gas Well Press. SI CP-1268 Volume Before acid - 24,200 M cu.ft.
After acid - 53,500 M cu.ft. Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (8-5/8" 15-1/2" OD) Gas Pressure Volume Cu. ft.

Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION Viola Line (Name) Top 4022' Bottom 4039' TOTAL DEPTH 4040'

CASING RECORD

| 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" OD | 28/ 10 | 361 | | | | | 16 | 358 | 0 | Lapweld | "C" | 175 | Halliburton |
| 5-1/2" OD | 17/ 8RT | 4024 | | | | | 124 | 4055 | 0 | Seamless | "A" | 225 | Halliburton |
| (8-5/8" casing set 7' in cellar and 5 1/2" casing cased to derrick floor) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| (Used one 5 1/2" OD Baker Combination Guide and Float Shoe) | | | | | | | | | | | | | |

Liner Set at Length Perforated at
Liner Set at Length Perforated at

Packet Set at Size and Kind

Packet Set at Size and Kind

SHOT OR ACID TREATMENT RECORD

| | FIRST | | SECOND | | THIRD | | FOURTH | |
|-------------------------------------|----------------------|---------------------|------------|-------------|---------------------|-----|-------------|---------------------|
| Date | <u>Oct. 28, 1940</u> | | | | | | | |
| Acid Used | <u>1000</u> | | Gals. | | Gals. | | Gals. | |
| Size Shot | <u>1000</u> | | <u>Qs.</u> | | <u>Qts.</u> | | <u>Qts.</u> | |
| Shot Between | <u>4024</u> | Ft. and <u>4040</u> | Ft. | <u>4024</u> | Ft. and <u>4040</u> | Ft. | <u>4024</u> | Ft. and <u>4040</u> |
| Size of Shell | | | | | | | | |
| Put in by (Co.) | <u>Halliburton</u> | | | | | | | |
| Length anchor | | | | | | | | |
| Distance below Cas'g | | | | | | | | |
| Damage to Casing or Casing Shoulder | <u>None</u> | | | | | | | |

SIGNIFICANT GEOLOGICAL FORMATIONS

| NAME | Top | Bottom | GAS | | OIL | | REMARKS |
|---------------------|------|--------|------|----|------|------|------------------------------|
| | | | From | To | From | To | |
| Lensing Lime | 3405 | | | | 3453 | 3480 | Slightly porous, oil stained |
| | | | | | 3463 | 3470 | |
| | | | | | 3474 | 3483 | Slight porosity & saturation |
| | | | | | 3497 | 3506 | |
| | | | | | 3568 | 3571 | Slight porosity & stained |
| | | | | | 3582 | 3585 | For. & sat. oolitic lime |
| | | | | | 3578 | 3588 | Slight porosity & stained |
| | | | | | 3762 | 3767 | |
| Kinderhook Shale | 3900 | | | | | | |
| Kinderhook Dolomite | 3950 | | | | | | |
| Viola Line | 4022 | 4022 | 4039 | | | | Gas Pay Formation |

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

Well Record

TOP

BOTTOM

REMARKS

Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.

| | | | |
|-----------------------|------|------|--|
| Surface soil and sand | 0 | 40 | |
| Clay | 40 | 260 | |
| Shale and shells | 260 | 366 | |
| Shale and shells | 366 | 455 | |
| Red bed | 455 | 600 | |
| Shale | 600 | 980 | |
| Salt | 980 | 1140 | |
| Shale | 1140 | 1340 | |
| Lime | 1340 | 1540 | |
| Sandy lime | 1540 | 1685 | |
| Lime | 1685 | 1780 | |
| Sandy lime | 1780 | 1915 | |
| Lime | 1915 | 2310 | |
| Shale | 2310 | 2525 | |
| Lime | 2525 | 2780 | |
| Black shale | 2780 | 2990 | |
| Lime | 2990 | 3030 | |
| Shale | 3030 | 3075 | |
| Lime | 3075 | 3170 | |
| Shale | 3170 | 3405 | |
| Lime | 3405 | 3514 | |

Set and cemented 8-5/8" OD, 28#, L.W. Steel casing at 361' w/ 175 sacks of cement.

| | | | |
|-----------------------------|------|------|--|
| Shale | 3514 | 3565 | |
| Lime | 3565 | 3767 | |
| Shale | 3767 | 3790 | |
| Lime | 3790 | 3805 | |
| Shale and lime | 3805 | 4022 | |
| Blue chert & brown dolomite | 4022 | 4026 | |

Drilled 7-7/8" hole to 4026'

Slight porosity & stained 3565'-71'
Porous & saturated oolitic lime 3622'
to 3628' - Slight porosity & stained
from 3678'-3688' - Same, 3762'-3767'

Top Kinderhook Shale at 3900'
Top Kinderhook Dolomite at 3950'
Porous and gas saturated
Top Viola Lime at 4022'
Set and cemented 5 1/2" OD, 17#, SS casing
at 4024' with 225 sacks of cement.

Finished cementing at 2:30 PM, 10/20/40 and while shut down waiting on cement to set, standardized and rigged up cable tools. Bailed the hole down 2700' on Oct. 24th and stuck bailer at 2700'. Jarred bailer loose and swaged out 5 1/2" casing. Finished bailing hole down and drilled cement to 4017' and 5 1/2" casing tested OK. Reloaded the hole with fresh water, finished drilling cement and cleaned out to bottom, then drilled ahead.

| | | | |
|-------------------------------------|------|------|--|
| Brown coarsely crystalline dolomite | 4026 | 4035 | |
| Brown coarsely crystalline dolomite | 4035 | 4039 | |
| Dense grey crystalline dolomite | 4039 | 4040 | |

Good porosity, show of gas
Good porosity, show of gas

TOTAL DEPTH 4040'

Stopped drilling on Oct. 25, 1940
On October 27th, bailed hole down
1200' and gas gauged 24,250 cubic feet
by spring gauge.

On Oct. 28th, treated well down the casing with 1000 gallons of acid as follows:
ACID TREATMENT NO. 1 - Between 4024' and 4040'
Treatment put in by Halliburton Co., 10/28/40, using 1000 gallons of Halliburton acid and 3600 gallons of water to flush.

| TIME | CP | REMARKS: |
|---------|-------|--|
| 9:06 AM | 1180' | Started acid in casing |
| 9:23 " | 1045' | 400 gallons of acid in casing |
| 9:37 " | 905' | 800 gallons of acid in casing |
| 9:46 " | 875' | 1000 gallons of acid in casing |
| 10:12 " | 730' | 1000 gallons of water down casing |
| 10:30 " | 530' | 2000 gallons of water down casing |
| 10:52 " | 0' | 3600 gallons of water down casing to complete treatment. |

After acid treatment, left well shut in for 1 hour then opened and after cleaning itself of acid sludge and water, gas gauged 68,400 M cubic feet by spring gauge.

The well was shut in from this time until November 4th, 1940, when potential test was taken by State Corporation Commission, using U.S. Bureau of Mines back pressure method. Established potential of 53,500 M cubic feet. Shut in casing pressure--1268'.

| Depth | Angle | Horiz. | Vert. |
|-------|-------|--------|-------|
| 250' | 0 | 2.2 | .0 |
| 500' | 1/2 | 2.2 | .0 |
| 750' | 0 | 2.2 | .0 |
| 1000' | 1/2 | 2.2 | .0 |
| 1250' | 1/2 | 2.2 | .0 |
| 1500' | 1/2 | 2.2 | .0 |
| 1750' | 1/2 | 2.2 | .0 |
| 2000' | 1 | 4.4 | .1 |
| 2250' | 1 | 4.4 | .1 |
| 2500' | 1 | 4.4 | .1 |
| 2750' | 1/2 | 2.2 | .0 |
| 3000' | 1/2 | 2.2 | .0 |
| 3250' | 1/2 | 2.2 | .0 |
| 3500' | 1 | 4.4 | .1 |
| 3750' | 1/2 | 2.2 | .0 |
| 4000' | 1/2 | 2.2 | .0 |

Total Deflections 39.6' .4'

On December 18, 1945, moved in and rigged up cable tools, and plugged back with 3-1/2" of sand from 4040' to 4036 1/2', then plugged back with Dowell plastic from 4036 1/2' to 4027'.

On December 21st, bailed hole down to 1500' off bottom, then swabbed through 5-1/2" casing 24 hours, swabbing all water into pits; and were unable to lower fluid below 150' off bottom. Continued swabbing into pits 12 hours on December 23rd, but could not lower fluid, all water, below this point.

Shut down over Christmas and on December 26th, swabbed 24 hours, all water, and could not lower fluid below 150' off bottom, slight amount of gas showing.

On December 27th, set Lane-Wells bridging plug in 5 1/2" casing at 3640', then perforated 5-1/2" casing with 24 holes by Lane-Wells, from 3622' to 3628', show of oil and water after perforating.

On December 28th, ran 2" tubing and treated with 1000 gallons of Dowell "XF-20" acid as follows:

ACID TREATMENT NO. 2 - Between 3622' and 3628'

Treatment put in by Dowell Inc., using 1000 gallons of acid and 97 1/2 barrels of water to fill hole and to flush:

| TIME | CP | TP | REMARKS |
|----------|------|------|--|
| 12:52 PM | 600# | 600# | Hole filled with 83 barrels of water |
| 1:05 PM | 100# | 0# | 588 gallons of acid in hole, on bottom |
| 1:18 PM | 500# | 400# | 600 gallons of acid in hole |
| 1:20 PM | 475# | 375# | 714 gallons of acid in hole |
| 1:24 PM | 450# | 350# | 1000 gallons of acid in hole, started water flush |
| 1:30 PM | 375# | 350# | 10 barrels of water in hole to flush tubing |
| 1:32 PM | 350# | 350# | Hole flushed with 14 1/2 barrels of water and treatment complete |

After acid treatment swabbed through tubing 24 hours, all water swabbed into pits, swabbing to 500' off bottom. On December 29th, set Lane-Wells plug in 5-1/2" casing at 3586', then perforated 5-1/2" casing with 22 holes from 3568' to 3571'. Bailed and tested 16 hours, 2-1/2 barrels of water and no oil per hour. On December 30th, set Lane-Wells bridging plug at 3516', then perforated 5-1/2" casing with 60 holes from 3497' to 3506', no shows. On December 31st, ran 2" tubing and treated with 1000 gallons of Dowell "XF-20" acid as follows:

ACID TREATMENT NO. 3 - Between 3497' and 3506'

Treatment put in by Dowell Inc., using 1000 gallons of acid and 108 barrels of water to fill hole and to flush:

| TIME | CP | TP | REMARKS |
|----------|------|------|--|
| 12:10 PM | 500# | 500# | Hole filled with 79 barrels of water |
| 12:25 PM | 100# | 0# | 609 gallons of acid in hole, on bottom |
| 12:31 PM | 550# | 400# | 14-3/4 barrels of water flush in |
| 12:35 PM | 400# | 325# | 903 gallons of acid in hole, on bottom |
| 12:36 PM | 375# | 300# | 1000 gallons of acid in hole PP to flush tubing |
| 12:42 PM | 250# | 250# | Hole flushed with 28-1/4 barrels of water and treatment complete |

After acid treatment swabbed through 2" tubing 18 hours, all water.

On January 2, 1946, Set Lane-Wells bridging plug at 3492', then perforated 5-1/2" casing with 48 holes from 3474' to 3482', 300' fluid in hole in 25 minutes, 50%. Hole filled 1000' with fluid in 24 hours, 67% oil and 33% water.

On January 3rd, bailed and tested 24 hours, 3/4 barrels fluid per hour, 50% oil and 50% water. On January 4th, ran tubing and rods and POB 24 hours, 3 bbls. of oil and 9 bbls. of water.

On January 7th, treated with 500 gallons of Dowell "XF-20" acid as follows:

ACID TREATMENT NO. 4 - Between 3474' and 3482'

Treatment put in by Dowell Inc., using 500 gallons of acid and 110 barrels of water to fill hole and to flush:

| TIME | CP | TP | REMARKS |
|---------|------|------|--|
| 6:10 PM | | | Hole filled with 96 barrels of water |
| 6:30 PM | | 300# | 500 gallons of acid in hole, on bottom |
| 6:40 PM | 50# | 300# | 4 1/2 barrels of water in |
| 6:44 PM | 50# | 300# | 7 barrels of water in |
| 6:51 PM | 50# | 300# | 14 barrels of water in |
| 6:52 PM | Vac. | Vac. | Treatment completed |

After acid treatment ran rods and POB 24 hours, 3 bbls. of oil and 77 barrels of water. On January 9th, POB 24 hours, scum of oil and 230 barrels of water, then pulled tubing and shut down for orders.

On February 11th, regular authority was granted to plug and abandon the well.