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STATE OF KANSAS
STATE CORPORATION COMMISSION

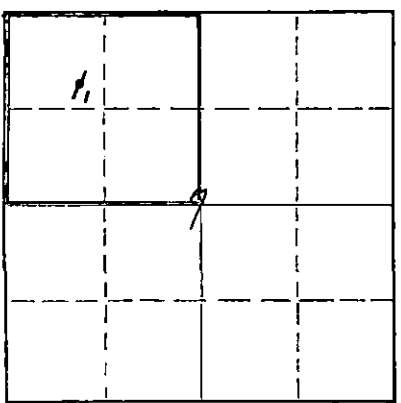
15-185-11746-0000
WELL PLUGGING RECORD

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

Stafford County. Sec. 7 Twp. 25S Rge. (E) 15 (W)

Location as "NE/CNW/SW" or footage from lines SE/4 NW/4 NW/4
Lease Owner Skelly Oil Company
Lease Name F. E. Westgate Well No. 1
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed July 16, 1958
Application for plugging filed July 16, 1958
Application for plugging approved July 17, 1958
Plugging commenced July 23, 1958
Plugging completed July 29, 1958
Reason for abandonment of well or producing formation DRY HOLE

NORTH



Locate well correctly on above Section Flat

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. Frank Broadfoot
Producing formation None Depth to top Bottom Total Depth of Well 4330 Feet
Show depth and thickness of all water, oil and gas formations. PB 3949 1/2'

OIL, GAS OR WATER RECORDS

CASING RECORD

| FORMATION | CONTENT | FROM | TO | SIZE | PUT IN | PULLED OUT |
|--------------------|---------|-------|----|--------|---------|------------|
| Pennsylvanian Sand | Dry | 4206' | | 8-5/8" | 1001'0" | None |
| | | | | 5-1/2" | 4362'9" | 3593'0" |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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.

| | |
|--------------------|--------------------|
| Heavy mud | 3949 1/2' to 1000' |
| Rock bridge | 1000' to 990' |
| 5 sacks of cement | 990' to 975' |
| Heavy mud | 975' to 250' |
| Rock bridge | 250' to 240' |
| 20 sacks of cement | 240' to 180' |
| Heavy mud | 180' to 40' |
| Rock bridge | 40' to 30' |
| 10 sacks of cement | 30' to 5' |
| Surface soil | 5' to 0' |

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

Name of Plugging Contractor West Supply Co., Inc.
Address Box 506, Chase, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.
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) [Signature]
Box 391, Hutchinson, Kansas (Address)

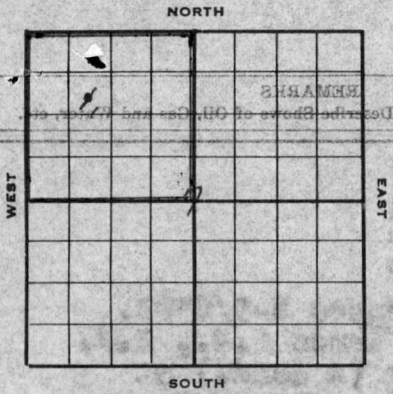
SUBSCRIBED AND SWORN TO before me this 12th day of August, 1958

My commission expires April 7, 1959

Notary Public.
COMMISSION
8-13-58
AUG 13 1958
CON DIVISION

PLUGGING
FILE SEC. 7 T. 25 R. 15W
BOOK PAGE 115 LINE 32

15-185-11746-0000
SKELLY OIL COMPANY



2065*
2062*
2060*
2057*
FORM NO. 1

Well Record

Lease Name and No. F. E. Westgate Well No. 1 Elev. 2057'

Lease Description Lots 1 and 2, 1/2 NW/4 Sec. 7-259-15W, Stafford County, Kansas (160 Acres)

Location made June 6, 19 58 by Dupree Ingram

990 feet from North line 990 feet from East line NW/4

990 feet from South line 990 feet from West line of Sec. 7

Work com'd 6/7 19 58 Rig comp'd 6/8 19 58 Drlg. com'd 6/8 19 58 Drlg. comp'd 6/23 19 58

Rig Contractor Claude Wentworth Drilling Co., Inc.

Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from 0' to 4330' Cable Tool Drilling from To complete 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) Gas Pressure Volume Cu. ft.

Braden Head (Size) Gas Pressure Volume Cu. ft.

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH 4330' FE 3949'

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 |
| <u>8-5/8"</u> | <u>22.75</u> | <u>1009'</u> | <u>1009'</u> | | | | <u>26</u> | <u>1001'</u> | <u>0</u> | <u>Arcon SW A</u> | <u>500</u> | <u>Halliburton</u> | |
| <u>5-1/2"</u> | <u>14.88</u> | <u>4329'</u> | <u>110</u> | <u>3593'</u> | <u>0</u> | <u>25</u> | <u>769'</u> | <u>9</u> | <u>J55 R2 SW 90'</u> | <u>150</u> | <u>Halliburton</u> | | |
| <u>(8-5/8" casing set 3' in collar and 5 1/2" cased to derrick floor)</u> | | | | | | | | | | | | | |

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>7/2/58</u> | <u>7/7/58</u> | <u>7/24/58</u> | |
| Acid Used | | | | |
| Size Shot | <u>500</u> | <u>500</u> | <u>250</u> | |
| Shot Between | <u>4310'</u> Ft. and <u>4325'</u> Ft. | <u>4300'</u> Ft. and <u>4310'</u> Ft. | <u>394'</u> Ft. and <u>394'</u> Ft. | |
| Size of Shell | | | | |
| Put in by (Co.) | <u>Halliburton</u> | <u>Halliburton</u> | <u>Halliburton</u> | |
| Length anchor | | | | |
| Distance below Cas'g | | <u>Acid and Visc-</u> | | |
| Damage to Casing or Casing Shoulder | | <u>Frac</u> | | |

SIGNIFICANT GEOLOGICAL FORMATIONS

| NAME | Top | Bottom | GAS | | OIL | | REMARKS |
|-------------------------|--------------|--------|------|----|------|----|---------|
| | | | From | To | From | To | |
| <u>Hebner Shale</u> | <u>3660</u> | | | | | | |
| <u>Toronto Lias</u> | <u>3673'</u> | | | | | | |
| <u>Douglas</u> | <u>3694'</u> | | | | | | |
| <u>Lansing Lias</u> | <u>3813'</u> | | | | | | |
| <u>Maraton Lias</u> | <u>4128'</u> | | | | | | |
| <u>Conglomerate</u> | <u>4232'</u> | | | | | | |
| <u>Kinderhook Shale</u> | <u>4249'</u> | | | | | | |
| <u>Viola Lias</u> | <u>4298'</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 | | | | | <u>8-13-58</u> | See Reverse for other details. |
| 2nd | | | | | | " " " " " |
| 3rd | | | | | | " " " " " |
| 4th | | | | | | " " " " " |

(See Reverse for Record of Formation)

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12-188-1144-0000
 RECORD OF FORMATIONS

| FORMATION | TOP | BOTTOM | REMARKS |
|----------------------------------|------|--------|--|
| Surface soil and sand | 0 | 20 | |
| Sand, gravel and clay | 20 | 270 | |
| Red bed, gravel and shale | 270 | 340 | |
| Red bed, shale and shells | 340 | 1000 | |
| Anhydrite | 1000 | 1010 | Set and cemented 8-5/8" OD, 22.7', 8-3, arms S.W., S.J. steel casing (A sand.) at 1000' w/ 500 sacks of Pozmix cement. Cement circulated. Finished at 4:00 p.m. 6/10/56. |
| Shale and red bed | 1010 | 1220 | BASE ANHYDRITE 1020' |
| Shale and shells | 1220 | 1490 | |
| Shale and lime | 1490 | 1878 | |
| Line | 1878 | 1934 | |
| Buff line | 1934 | 1937 | |
| Gray shale | 1937 | 1941 | |
| Buff calcareous line | 1941 | 1946 | |
| Line | 1946 | 1993 | Fair porosity with good show of free oil in wet samples, fair to good spotted bog in dry samples. |
| Buff, dense line | 1993 | 1995 | |
| Buff calcareous line | 1995 | 1999 | |
| Line | 1999 | 4012 | Good porosity, poor to fair spotted stain, no free oil, fair odor. |
| Line and shale | 4012 | 4137 | |
| Buff, dense slightly cherty line | 4137 | 4204 | |
| Vari-colored shale | 4204 | 4219 | |
| Line | 4219 | 4225 | |
| Light gray to buff chert | 4225 | 4230 | |
| Line | 4230 | 4255 | |
| Line | 4255 | 4297 | |
| Cherty and dolomitic line | 4297 | 4330 | |
| Line | 4330 | 4330 | |

See Reverse for Record of Formations

Ran Halliburton drill stem test No. 5, set packer at 4297', used 33' anchor, open 40 mins., gas to surface in 12 minutes, too small to gauge. Packer started leaking at end of 40 minutes, IBHP-1220' in 20 mins., recovered 300' of drilling mud, IFF-18', FFP-38'.

Ran Halliburton drill stem test No. 6, packer set at 4300', used 30' anchor, open 1 hour, strong blow throughout test, recovered 10' of heavily gas cut mud with few specks of oil and 75' of gas cut mud, IBHP-897' in 20 mins., IFF-18', FFP-38', FBHP-478' in 20 mins.

Set and cemented 5 1/2" OD, SR thd. 14', R-2, J-55, S.S. casing (A cond.) at 4329' with 150 sacks of Pozmix cement. Finished cementing at 11:30 p.m. 6/25/58.

Welex Temperature Survey showed top of cement behind 5 1/2" casing at approximately 3665'.

Rigged up cable tools and bailed and swabbed the hole down and drilled cement plug to 4323'. Ran Schlumberger Collar Locator Survey. Perforated 5 1/2" casing from 4316' to 4320' with 16 holes by Schlumberger, show of drilling mud with few specks of oil. Treated through 5 1/2" casing with 500 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 1 - Between 4316' and 4320'

Treatment put in 7/2/58 by Halliburton, using 500 gallons of acid and 106 barrels of oil.

| TIME | OP | IF | REMARKS |
|---------|-------|----|------------------------------|
| 4:36 pm | | | Start acid |
| 5:01 pm | 100' | | Acid on bottom |
| 5:03 pm | 1600' | | |
| 5:06 pm | 700' | | |
| 5:11 pm | 700' | | Acid in, treatment completed |

Swabbed through 5 1/2" casing to bottom 3 hours, 106 barrels of oil used in treating and 6 barrels of acid water. Bailed and tested off bottom 6 hours, 14 gallons of oil and 5 gallons of water per hour with small show of gas.

Flugged back with 9 gallons of Ottawa sand from 4323' to 4316'. Tried to plug back with 19 gallons of sand from 4316' to 4314', no fill up. Bailed and cleaned out sand to 4323'. Set Baker bridging plug at 4314'. While bailing to dry up hole lost bailer in hole. Recovered 41' of 4 1/2" OD bailer leaving 8' of bailer in hole on top of plug at 4316'. Drilled up bailer to 4311' SLW, then perforated 5 1/2" casing from 4300' to 4310' with 60 holes by Lane-Wells. After first shot at 4310', gas to surface immediately, estimated 25 MCF. Treated through 5 1/2" casing with 500 gallons of Halliburton MCA acid as follows:

ACID TREATMENT NO. 2 and VIS-O-FRAC TREATMENT NO. 1 - 4300'-4310'

- 500 gallons of MCA acid in
- Used 6000' of sand
- 6000 gallons of Vis-O-Frac agent
- Used 334 barrels of crude oil to flush
- Maximum OP-1550', minimum OP-1350'
- Time 9 minutes

Flowed through 5 1/2" casings: first hour, 40 barrels of oil used in treating; next 1 hour, 33 1/2 barrels of oil used in treating, no gauge on gas. On July 6, flowed through 5 1/2" casing 2 hours, 18 barrels of oil used in treating and well quit flowing. Swabbed through 5 1/2" casing 7 hours and swabbed to bottom, 183 barrels of oil used in treating. Then swabbed off bottom 14 hours, 28 barrels of oil used in treating and 10 barrels of acid water. On July 9, swabbed through 5 1/2" casing 23 hours off bottom, 7 barrels of oil used in treating and 21 barrels of formation water.

Set Lane-Wells bridging plug at 4000' and plugged back with 1 sack of Cal-Seal from 4000' to 3992'. Perforated 5 1/2" casing from 3950' to 3954' with 24 holes by Lane-Wells; bailed off bottom 4 hours, 18 gallons of water per hour with scum of oil. Ran 2" tubing and set 5 1/2" Halliburton RTGS packer at 3922' and squeeze cemented off perforations from 3950' to 3954' with 134 sacks of cement, maximum ID-3300'. Pulled 2" tubing and shut down for cement to set.

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On July 12, swabbed and bailed the hole dry and 5 1/2" casing tested dry. Drilled cement plug and cleaned out to 3949 1/2'. Perforated 5 1/2" OD casing from 3944' to 3949' with 30 holes by Lane-Wells; bailed and tested 14 hours, 28 gallons of water with scum of oil per hour at start of test, decreased to 18 gallons of water with scum of oil at end of test. Treated through 5 1/2" casing with 250 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 3944' and 3949'

Treatment put in 7/16/58 by Halliburton, using 250 gallons of acid and 99 barrels of oil.

| TIME | GF | IF | REMARKS |
|----------|-------|----|------------------------------|
| 10:43 am | | | Start acid |
| 11:00 am | 500' | | Acid on bottom |
| 11:48 am | 1000' | | |
| 11:55 am | 900' | | |
| 12:10 pm | 850' | | |
| 12:23 pm | 850' | | Acid in, treatment completed |

Swabbed to bottom and off bottom 16 hours, 99 barrels of oil used in treating, 25 barrels of formation oil, 6 barrels of acid water and 135 barrels of formation water. On July 16, swabbed off bottom 22 hours, 5 barrels of formation oil and 118 1/2 barrels of water.

PLUGGED BACK TOTAL DEPTH 3949 1/2'

Since neither oil nor gas were found in commercial quantities in drilling to the total depth of 4330', regular authority was granted to plug and abandon the well.

On July 29, 1958, shot off and pulled 3593' of 5 1/2" OD, 14#, SR thd., R-2, J-55, S.S. casing (90%). The well was then plugged as follows:

| | | | |
|--------------------|-----------|----|-------|
| Heavy mud | 3949 1/2' | to | 1000' |
| Rock bridge | 1000' | to | 990' |
| 5 sacks of cement | 990' | to | 975' |
| Heavy mud | 975' | to | 250' |
| Rock bridge | 250' | to | 240' |
| 20 sacks of cement | 240' | to | 180' |
| Heavy mud | 180' | to | 40' |
| Rock bridge | 40' | to | 30' |
| 10 sacks of cement | 30' | to | 5' |
| Surface soil | 5' | to | 0' |

Plugged and abandoned July 29, 1958

SLOPE TEST DATA: Tests were taken at 250', 6000', 900', 1350', 1700', 2000', 2400', 2840', 3350', 4050' with no deviation from vertical noted.