

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 189-220030000

County Stevens
- SW - NE - SE Sec. 7 Twp. 32S Rge. 36 X W ^E

Operator: License # 5208

1450 Feet from S/N (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from E/W (circle one) Line of Section

Address P.O. Box 2173

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

2319 North Kansas Avenue

Lease Name Brubaker #2 Unit Well # 4

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3080 KB 3089

Phone (316) 626-1142

Total Depth 2934 PBTD 2887

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 595 Feet

License: 30606

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion

If Alternate II completion, cement circulated from NA

New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan all I 5-8-96
(Data must be collected from the Reserve Pit) Le

If Workover:

RECEIVED

Operator: KANSAS CORPORATION COMMISSION

Well Name: 2-2-96

Comp. Date FEB 02 1996 Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back CONSERVATION DIVISION

Commingled Docket No. WICHITA, KS

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

Chloride content 15,200 ppm Fluid volume 120 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name Hill #3 SWDW License No. 5208

SW Quarter Sec. 3 Twp. 33 S Rng. 37 E/W

County Stevens Docket No. CD-117710

11-3-95 11-6-95 12-7-95
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Sharon A. Cook Sharon A. Cook

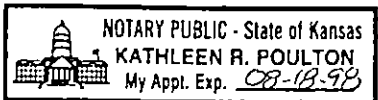
Title Regulatory Assistant Date 2-1-96

Subscribed and sworn to before me this 1st day of February, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-50.kcc

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

3-12-7777

DATE

11-03-95

D3-496-A PRINTED IN U.S.A.

| | | |
|--|--|---|
| WELL NAME AND NO. BRUBAKER # 2-4 | LOCATION (LEGAL) SEC 7-32S-36W | RIG NAME: MURFIN #24 |
| FIELD-POOL HUGOTON | FORMATION SURFACE | WELL DATA: |
| COUNTY/PARISH STEVENS | STATE KS | API NO. |
| NAME MOBIL OIL CORP. | | BIT SIZE 12 1/4 CSG/Liner Size 8 5/8 |
| AND | | TOTAL DEPTH 596 WEIGHT 24 |
| ADDRESS | | <input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE 592 |
| ZIP CODE | | MUD TYPE GRADE US550 |
| SPECIAL INSTRUCTIONS | | <input type="checkbox"/> BHST THREAD 3RD |
| | | <input type="checkbox"/> BHCT |
| | | MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 43 |
| | | MUD VISC. Disp. Capacity 34.9 |

ORIGINAL

SAFELY CEMENT 8 5/8 SURFACE CASING WITH 185 SKS OF LEAD AND 150 SKS OF TAIL AS DIRECTED BY THE CUSTOMER.

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **210** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **500 OVER** PSI BUMP PLUG TO **740** PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

| | | | | | |
|-------|-------|---------------------|------------|-------|--|
| Float | TYPE | BAFFLE PLATE | Stage Tool | TYPE | |
| | DEPTH | 549 | | DEPTH | |
| SHOE | TYPE | CMT NOSE | Stage Tool | TYPE | |
| | DEPTH | 592 | | DEPTH | |

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE TOOL TYPE

Single WEIGHT DEPTH

Swage GRADE TAIL PIPE: SIZE DEPTH

Knockoff THREAD TUBING VOLUME Bbls

TOP R W NEW USED CASING VOL. BELOW TOOL Bbls

BOT R W DEPTH TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: **2000** DATE: **11-3-95** ARRIVE ON LOCATION TIME: **1945** DATE: **11-3-95** LEFT LOCATION TIME: **2300** DATE: **11-3-95**

| TIME | PRESSURE | | VOLUME PUMPED BBL | | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|--------------|-------------|--------|-------------------|-----|-------------|------------------|---------------|-------------------------------|
| | TBG OR D.P. | CASING | INCREMENT | CUM | | | | |
| 0001 to 2400 | | | | | | | | |
| 2100 | | | | | | | | PRE-JOB SAFETY MEETING |
| 2129 | 25 | 00 | — | — | — | H ₂ O | 8.34 | PRESSURE TEST |
| 2131 | — | 0 | 25 | — | 5.8 | H ₂ O | 8.34 | START H ₂ O SPACER |
| 2136 | — | 180 | 62 | 25 | 5.8 | CMT | 12.8 | START LEAD SLURRY |
| 2146 | — | 210 | 32 | 87 | 5.8 | CMT | 14.6 | START TAIL SLURRY |
| 2154 | — | — | — | 119 | — | — | — | SHUTDOWN / DROP TOP PLUG |
| 2155 | — | 0 | 35 | — | 6.0 | H ₂ O | 8.34 | START DISPLACEMENT |
| 2200 | — | 220 | — | 25 | 6.0 | H ₂ O | 8.34 | PSI CHECK |
| 2203 | — | 190 | — | 34 | 2.0 | H ₂ O | 8.34 | PSI CHECK |
| 2204 | — | 740 | — | 35 | — | — | — | STOP PUMP / PUMP DOWN |
| 2206 | — | 400 | — | — | — | — | — | Bled LINES / SHUT MANIFOLD |
| 2208 | — | 0 | — | — | — | — | — | Bled LINES / LEAD MANIFOLD |

RECEIVED KANSAS CORPORATION COMMISSION

FEB 02 1996

CONSERVATION DIVISION WICHITA, KS

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | SLURRY MIXED | |
|-------------|--------------|-----------------|---|--|--------------|---------|
| | | | | | BBLs | DENSITY |
| 1. | 185 | 1.89 | 50/50 POZ/C + 6% D20 + 3% S1 + 5% D44 (Bwov) + 1/4 #/sk D29 | | 62.2 | 12.8 |
| 2. | 150 | 1.22 | 50/50 POZ/C + 2.5% S1 + 1/4 #/sk D29 | | 32.5 | 14.6 |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

DENSITY: **35** Bbls

PRESSURE MAX. MIN: **55KS**

Cement Circulated To Surf. YES NO **1.6** Bbls

DISPLACEMENT VOL. **35** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO

CUSTOMER REPRESENTATIVE: **Russell Worky**

DS SUPERVISOR: **Russ Wagstaff**

CEMENTING SERVICE REPORT

Schlumberger

Dowell

WELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 3312-7784
 DATE: 11-6-95
 DISTRICT: Wysses Kansas 0317

DS-496-A PRINTED IN U.S.A.

| | | |
|--|--|--------------------------------|
| WELL NAME AND NO. <i>Brubaker #24</i> | LOCATION (LEGAL) <i>Sec 7-32S-36W</i> | RIG NAME: <i>Murfin #24</i> |
| FIELD-POOL <i>Hugoton</i> | FORMATION | WELL DATA: |
| COUNTY/PARISH <i>Stevens 189</i> | STATE <i>Kansas 15</i> | API. NO. |
| NAME <i>Mobil Oil</i> | WELL DATA: | |
| AND | WELL DATA: | |
| ADDRESS | WELL DATA: | |
| ZIP CODE | WELL DATA: | |
| SPECIAL INSTRUCTIONS | WELL DATA: | |

ORIGINAL

Big up and pump 320 SKS lead cement and 150 SKS tail cement as per Company Man's instruction

| | | | |
|--|---------------------------------|-------|------------------------|
| IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO | HEAD & PLUGS | TOOL | SQUEEZE JOB |
| LIFT PRESSURE <i>1724</i> PSI | <input type="checkbox"/> Double | TYPE | TUBING VOLUME |
| PRESSURE LIMIT <i>2500</i> PSI | <input type="checkbox"/> Single | DEPTH | CASING VOL. BELOW TOOL |
| ROTATE RPM | <input type="checkbox"/> Swage | DEPTH | TOTAL |

| | | |
|--|---|--|
| JOB SCHEDULED FOR TIME: <i>1600</i> DATE: <i>11-6-95</i> | ARRIVE ON LOCATION TIME: <i>1530</i> DATE: <i>11-6-95</i> | LEFT LOCATION TIME: <i>2000</i> DATE: <i>11-6-95</i> |
|--|---|--|

| TIME | PRESSURE | | VOLUME PUMPED BBL | | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|-------|-------------|--------|-------------------|-----|-------------|------------------|---------------|--------------------------------------|
| | TBG OR D.P. | CASING | INCREMENT | CUM | | | | |
| 17:41 | 1800 | - | | | | H ₂ O | 8.34 | PRE-JOB SAFETY MEETING |
| 17:42 | - | 360 | 25 | | 6 | H ₂ O | 8.34 | Pressure Test to 3000 PSI |
| 17:47 | - | 320 | 157 | 25 | 6 | Cement 11.5 | | Start Fresh Head |
| 18:16 | - | 130 | 37 | 157 | 4 | Cement 14.8 | | Start Lead Cement |
| 18:26 | - | 130 | | 37 | 4 | Cement 14.8 | | Start Tail Cement |
| 18:30 | - | 80 | 71 | | 6 | H ₂ O | 8.34 | Shutting Down Displacement Washlines |
| 18:37 | - | 400 | | 36 | 6 | H ₂ O | 8.34 | Start Displacement |
| 18:40 | - | 610 | | 50 | 6 | H ₂ O | 8.34 | Cement to Surface |
| 18:43 | - | 710 | | 63 | 2 | H ₂ O | 8.34 | PSICK |
| 18:45 | - | 780 | | 70 | 2 | H ₂ O | 8.34 | Lower Rate |
| | | | | | | | | Bump Plug to 1270 Float Held |

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 KANSAS CORPORATION COMMISSION
 FEB 02 1996

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | SLURRY MIXED | |
|-------------|--------------|-----------------|--|---------|--------------|--|
| | | | BBLs | DENSITY | | |
| 1. | 520 | 2.75 | Class C + 3% D-79 + 2% D-46 + 1/2% SK D-29 | 157 | 11.5 | |
| 2. | 150 | 1.37 | Class C + 2% B-28 + 2% S-1 + .6% D-60 + 2% D-46 + 1/2% SK D-29 | 37 | 14.8 | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |

| | | | |
|--|--------------------------------------|------------------|--|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE <i>400</i> MAX. <i>1270</i> MIN: |
| <input type="checkbox"/> HESITATION SQ. | <input type="checkbox"/> RUNNING SQ. | CIRCULATION LOST | Cement Circulated To Surf. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <i>35</i> Bbls. |
| BREAKDOWN | PSI | FINAL | PSI |
| Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT <input checked="" type="checkbox"/> |
| PERFORATIONS | TO | TO | CUSTOMER REPRESENTATIVE |
| | | | <i>Dennis RUSSELL</i> |
| | | | DS SUPERVISOR |
| | | | <i>Tom Wilkins</i> |