

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- 189-219550000

County Stevens
NE - SW - SW Sec. 15 Twp. 33S Rge. 36 X W

Operator: License # 5208

1250 Feet from S (circle one) Line of Section

Name: Mobil Oil Corporation

1250 Feet from E (circle one) Line of Section

Address P.O. Box 2173

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

2319 North Kansas Avenue

Lease Name Mueller #1 Unit Well # 5

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 3035 KB 3045

Phone (316) 626-1142

Total Depth 2955 PBDT 2923

Contractor: Name: Murfin Drilling Co., Inc.

Amount of Surface Pipe Set and Cemented at 746 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

X New Well Re-Entry Workover

feet depth to NA w/ NA sx cmt.

Oil SWD SLOW Temp. Abd.

X Gas ENHR SIGW

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

Drilling Fluid Management Plan ALT 1 JK 7-8-96
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 3,000 ppm Fluid volume 121 bbls

Operator: _____

Dewatering method used Waste Minimization Mud System

Well Name: _____

Location of fluid disposal if hauled offsite:

Comp. Date _____ Old Total Depth _____

Operator Name Mobil Oil Corporation

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Lease Name Foster #1 SWDW License No. 5208

SW Quarter Sec. 5 Twp. 34 S Rng. 36 E W

7-25-95 7-28-95 8-25-95
Spud Date Date Reached TD Completion Date

County Stevens Docket No. D-19,820

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 11-16-95

Subscribed and sworn to before me, this 16th day of November, 19 95.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

5-218.kcc

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution NOV 17 1995
KCC SWD/Rep
KGS Plug Other
(Specify)
CONSERVATION DIVISION
WICHITA, KANSAS

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appt. Exp. 08-18-98

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Mueller #1 Unit Well # 5

Sec. 15 Twp. 33S Rge. 36 East West
 County Stevens

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

| | | | |
|---|---|--|---------------------------------|
| Drill Stem Tests Taken (Attach Additional Sheets.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Log Formation (Top), Depth and Datums | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Electric Log Run (Submit Copy.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |

List All E.Logs Run:

NO LOGS WERE RUN

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|--------------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface Casing | 12.250 | 8.625 | 24# | 746 | Class C Class C | 225 175 | 50:50 C/poz 50:50 C/poz |
| Production Casing | 7.875 | 5.500 | 14# | 2946 | Class C Class C | 275 150 | 3% D79 2% B28 |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

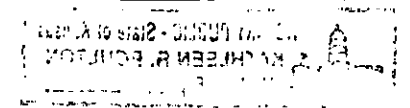
| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|--|--|-------|
| 1 SPF | 2630-2640 | Acid: 1,000 gals 7.5% HCL | |
| | 2698-2718 | Fract: 130,308 lbs 12/20 Brady Sand | |
| | 2752-2767 | 900 bbls 15# Crosslink Gel | |
| | 2800-2815 | | |

| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|--|--|---------|-------------|---|
| Date of First, Resumed Production, SWD or Inj. | Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| 8-21-95 | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |
| | | 244 | | |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 2630-
2815



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

| | |
|--------------------------|-----------------|
| TREATMENT NUMBER 2332 | DATE 7-26-95 |
| STAGE 1 | DS 03 |
| DISTRICT 12 | |

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

| | | |
|--|---|-------------------------------|
| WELL NAME AND NO. <i>MULLER 1-5</i> | LOCATION (LEGAL) <i>SEC. 15-335-364</i> | RIG NAME: <i>MURFIN 24</i> |
| FIELD-POOL <i>Hugoton</i> | FORMATION <i>SUFF.</i> | WELL DATA: |
| COUNTY/PARISH <i>STEVENS</i> | STATE <i>KS</i> | API. NO. |
| NAME <i>MOBIL OIL</i> | AND | |
| ADDRESS | ORIGINAL | |
| SPECIAL INSTRUCTIONS | NOTE: Include Footage From Ground Level To Head In Disp. Capacity | |

| | | | |
|--|-----|--|---------------------|
| IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO | PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²) | PSI |
| LIFT PRESSURE | PSI | BUMP PLUG TO | PSI |
| PRESSURE LIMIT <i>2000</i> | PSI | FT | No. of Centralizers |
| ROTATE | RPM | RECIPROCATE | FT |

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR | | | ARRIVE ON LOCATION | | LEFT LOCATION | |
|--------------|-------------|--------|-------------------|-----|-------------------|------|------------------|--------------------|------|---------------|------------------------|
| | TBG OR D.P. | CASING | INCREMENT | CUM | TIME | DATE | TIME | DATE | TIME | DATE | |
| 0001 to 2400 | | | | | | | | | | | |
| 01:56 | | 2250 | | | | | H ₂ O | 8.3 | | | PRE-JOB SAFETY MEETING |
| 01:59 | | 40 | 25 | | 5.8 | | " | " | | | START H ₂ O |
| 02:04 | | 160 | 76 | 25 | 5.8 | | CMT. | 12.8 | | | START L.D. CMT. |
| 02:17 | | 170 | | 101 | 4 | | CMT. | 14.6 | | | START TL CMT. |
| 02:27 | | 180 | | | | | | | | | SHUT DOWN PLUG PLUG |
| 02:29 | | | 448 | | 5.8 | | H ₂ O | 8.3 | | | START DISP. |
| 02:31 | | 270 | 15 | 15 | 5.8 | | " | " | | | CMT. TO SURFACE |
| 02:35 | | 340 | 35 | 2 | | | " | " | | | LOWER RGT |
| 02:39 | | 330 | 44 | 2 | | | " | " | | | PSI CHECK |
| 02:40 | | 420 | 45 | 2 | | | " | " | | | BUMP PLUG |

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | SLURRY MIXED | |
|-------------|--------------|-----------------|---|---------|--------------|---------|
| | | | BLS | DENSITY | BLS | DENSITY |
| 1. | 225 | 1.89 | 280 C + 600-20 + 30 S-1 + 5% P-44 (B.W.C.) + 4 3/4 S.D-29 | 76 | 12.8 | |
| 2. | | | | | | |
| 3. | 175 | 1.22 | 330 C + 258 S-1 + 4 3/4 S.D-29 | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |

| | | | | | |
|---|--|------------------|--|----------------------------|--|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE | MAX. | MIN: |
| <input type="checkbox"/> HESITATION SQ. | <input type="checkbox"/> RUNNING SQ. | CIRCULATION LOST | <input type="checkbox"/> YES <input type="checkbox"/> NO | Cement Circulated To Surf. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| BREAKDOWN | PSI | FINAL | PSI | DISPLACEMENT VOL. | Bbls |
| Washed Thru Perfs | <input type="checkbox"/> YES <input type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT | <input type="checkbox"/> WIRELINE |
| PERFORATIONS | TO | TO | CUSTOMER REPRESENTATIVE | DS | SUPERVISOR |
| | | | <i>JEFF LASITER</i> | | <i>Ray Pearson</i> |

RECEIVED
KANSAS CORPORATION COMMISSION
NOV 17 1995

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

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

| | | | |
|------------------|------------|----------|-------------|
| TREATMENT NUMBER | 05-12-1339 | DATE | 7-28-95 |
| STAGE | DS | DISTRICT | 2145505, Ks |

WELL NAME AND NO. Mueller #1-5 LOCATION (LEGAL) Sec 15-335-36w

FIELD-POOL _____ FORMATION _____

COUNTY/PARISH Stevens STATE Ks API. NO. _____

NAME Mobil Oil Corp

AND _____

ADDRESS _____

ZIP CODE _____

RIG NAME: MURFIN #24

| | | |
|--|--------------------------------------|-------|
| WELL DATA | BOTTOM | TOP |
| BIT SIZE <u>2 7/8</u> | CSG/Liner Size <u>5 1/2</u> | |
| TOTAL DEPTH <u>5</u> | WEIGHT <u>14</u> | |
| <input type="checkbox"/> ROT <input type="checkbox"/> CABLE | FOOTAGE <u>2940</u> | |
| MUD TYPE | GRADE <u>6uss55</u> | |
| <input type="checkbox"/> BHST <input type="checkbox"/> BHCT | THREAD <u>8RD</u> | |
| MUD DENSITY | LESS FOOTAGE SHOE JOINT(S) <u>23</u> | TOTAL |
| MUD VISC. | Disp. Capacity <u>71.3</u> | |

SPECIAL INSTRUCTIONS

ORIGINAL

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

| | | | | | |
|-------|--------------------------------|-------------------|------------|------|-------|
| Float | TYPE <u>Insert Float Valve</u> | DEPTH <u>2924</u> | Stage Tool | TYPE | DEPTH |
| SHOE | TYPE <u>cut nose</u> | DEPTH <u>2940</u> | | TYPE | DEPTH |

| | | | | | | |
|---|--|------------------------|-------|---------------------|---------------|------|
| Head & Plugs | <input type="checkbox"/> TBG <input type="checkbox"/> D.P. | SQUEEZE JOB | | | | |
| <input type="checkbox"/> Double | SIZE | TOOL | TYPE | | | |
| <input checked="" type="checkbox"/> Single | <input type="checkbox"/> WEIGHT | | DEPTH | | | |
| <input type="checkbox"/> Swage | <input type="checkbox"/> GRADE | TAIL PIPE: SIZE | DEPTH | | | |
| <input type="checkbox"/> Knockoff | <input type="checkbox"/> THREAD | TUBING VOLUME | Bbls | | | |
| TOP <input type="checkbox"/> R <input type="checkbox"/> W | <input type="checkbox"/> NEW <input type="checkbox"/> USED | CASING VOL. BELOW TOOL | Bbls | | | |
| BOT <input type="checkbox"/> R <input type="checkbox"/> W | DEPTH | TOTAL | Bbls | | | |
| ROTATE | RPM | RECIPROCATE | FT | No. of Centralizers | ANNUAL VOLUME | Bbls |

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR | | | ARRIVE ON LOCATION | | LEFT LOCATION | |
|--------------|-------------|--------|-------------------|-----|-------------------|------|------|--------------------|---------|---------------|---------|
| | TBG OR D.P. | CASING | INCREMENT | CUM | TIME | DATE | TIME | DATE | TIME | DATE | |
| 0001 to 2400 | | | | | | | | | | | |
| 0304 | 3720 | | | | | | | 0100 | 7-28-95 | 0500 | 7-28-95 |
| 0306 | 0 | | 25 | | 5.8 | H2O | | | | | |
| 0311 | 390 | | 134 | | 5.8 | cmf | 11.5 | | | | |
| 0323 | 200 | | 73 | | 5.8 | cmf | 11.5 | | | | |
| 0334 | 210 | | 37 | | 4 | cmf | 14.8 | | | | |
| 0342 | 100 | | 27 | | 2.5 | cmf | 14.8 | | | | |
| 0347 | 0 | | | | | | | | | | |
| 0351 | 0 | | 713 | | 6 | H2O | | | | | |
| 0354 | 170 | | 20 | | 6 | H2O | | | | | |
| 0356 | 300 | | 31 | | 5.8 | | | | | | |
| 0357 | 440 | | 40 | | 5.6 | | | | | | |
| 0359 | 560 | | 50 | | 5.5 | | | | | | |
| 0402 | 840 | | 64 | | 2 | | | | | | |
| 0404 | 750 | | 70 | | 2 | | | | | | |
| 0405 | 1330 | | 71.3 | | 2 | | | | | | |
| 0406 | | | | | | | | | | | |

REMARKS

PRE-JOB SAFETY MEETING PSI, TOST
 start H2O ahead
 start lead cmf
 PSI check
 start tail cmf
 PSI check
 shutdown wash pump lines drop top plug
 start displacement
 PSI check
 cmf to surface
 lower rate
 PSI check
 pump top plug
 bleed psi of check float holding
 end job

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | SLURRY MIXED | |
|-------------|--------------|-----------------|---|--|--|--------------|---------|
| | | | | | | BBLs | DENSITY |
| 1. | 275 | 2.75 | class C + 3% D79 + 2% D46 + 1/4% D29 | | | 134.6 | 11.5 |
| 2. | | | | | | | |
| 3. | 150 | 1.37 | class C + 2% B28 + 2% cmf + .6% D60 + .2% D46 | | | 36.5 | 14.8 |
| 4. | | | | | | | |
| 5. | | | | | | | |
| 6. | | | | | | | |

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 71.3 Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE Tom Lasiter DS SUPERVISOR James Esquivel