

ORIGINAL

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: L. J. Reimer

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-12-94 12-16-94 1-13-95
Spud Date Date Reached TD Completion Date

API NO. 15-189-21826 m-00

County Stevens

SW - NE - NW Sec. 31 Twp. 33s Rge. 36 X W

1250 Feet from S (circle one) Line of Section

1250 Feet from E (circle one) Line of Section

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

Lease Name King #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3075 KB 3086

Total Depth 2980 PBTB 2926

Amount of Surface Pipe Set and Cemented at 686 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan ALT 1 87 9-11-95
(Data must be collected from the Reserve Pit)

Chloride content 10,500 ppm Fluid volume 663 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite:
363 bbls hauled to the C. W. Creamer #1 SWDW

300 bbls hauled to the Foster #1 SWDW

Operator Name Mobil Oil Corporation

C. W. Creamer #1 SWDW

Lease Name Foster #1 SWDW License No. 5208

NE 23 34 37

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

Stevens D-19,411

County Stevens Docket No. D-19,820

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 2-22-95

Subscribed and sworn to before me this 22nd day of February, 1995.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

5-56.kcc

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

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

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name King #1 Unit Well # 3
 Sec. 31 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 checked="" 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 | Glorietta | 1211 | 1372 |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Stone Corral | 1690 | 1754 |
| List All E.Logs Run: | | Chase | 2627 | -- |
| Natural Gamma Ray Spectrometry Log | | Council Grove | -- | -- |
| Dual Induction - SFL with Linear Correlation Log | | | | |
| Simultaneous Compensated Neutron-Litho-Density | | | | |
| Caliper Presentation | | | | |

| 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# | 686 | Class C Class C | 190 sx 150 sx | 50:50 C/poz 50:50 C/poz |
| Production Casing | 7.875 | 5.500 | 14# | 2971 | Class C Class C | 300 sx 160 sx | 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 |
|----------------|--|--|-------|
| 2 | See attached well history 2680'-2689' 2630'-2640' | | |
| 2 | 2805'-2815' 2815'-2896' | | |
| 1 | 2756'-2766' 2703'-2713' | | |
| 1 | 2718'-2728' 2660'-2670' | | |

| 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. 1-11-95 | | None | | | | | |
| Producing Method | | <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas 433 Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | | |

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: _____ 2630- _____ 2815

Well Data - Well History Report

Lease: KING #1 UNIT WELL #3 Well #: 3 Well ID: 0053013
API #: 15-189-21826-00 State: KS County: STEVENS
Ppty ID: 1994200 OCSG #:

Spud Date: 12/12/1994 Water Depth: 0 KB Height: 11
Spud Time: 15:00 Original Ref Point: KB BH Height: 0
DF Height:

Drilling Job Start/End: 12/12/94 @ 15:00 to 12/16/94 @ 08:00
Completion Job Start/End: 12/21/94 @ 07:00 to 01/13/95 @ 12:30

ORIGINAL

Table with columns DATE and ACTIVITY. Rows include 12/12/94 CASING OD: 8.625, 24.00# J55, Top/Bot: 0/686 and 12/15/94 CASING OD: 5.500, 14.00# J55, Top/Bot: 0/2971

WELLBORE SUMMARY

Table with columns API WB#, Creation Date, Top, TD, Diam(@TD), Plug Back Date, and Depths PBTD. Rows show data for API 00 on 12/12/94 and 01/13/95.

CASING SUMMARY

Table with columns Date RUN, String, OD, ID, Grade, Wt/FT, Connection, and Top/Bot. Rows show casing data for 12/12/94 and 12/15/94.

PERFORATION SUMMARY

STATE CONSERVATION COMMISSION
FEB 24 1995
CONSERVATION DIVISION
WICHITA, KANSAS

Table with columns Perf Date, Top Perf, Btm Perf, Zone Name, Phase Hole, Size, and J/B Sqzd.

PERFORATION TIME CODE ACTIVITY

Table with columns DATE, HOURS, CODE, and ACTIVITY. Row shows 1994-12-21 2.00 636 RU LOGGING UNIT, R/GR & CCL, PERF TOWARD A 2805-15(2SPF) 2815-96(1SPF), WINFIELD 2 756-66(2SPF), L.KRIDER 2703-13 (1SPF), 271

Well Data - Well History Report

ORIGINAL

8-28(1SPF),U.KRIDER 2660-70(1SPF),2680-90(1SPF), HERINGTON 2630-40 (2SPF)

=====
WELL TREATMENT TIME CODE ACTIVITY
=====

Table with 4 columns: DATE, HOURS, CODE, ACTIVITY. Contains two entries for 1994-12-21 with codes 657 and 655.

Report Generated on: 02/20/95 @ 08:07 End of Report...

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

03 12 6714

DATE

12-12-94

STAGE

DS

DISTRICT

ULYSSES, KANSAS

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

WELL NAME AND NO.

KING 1-3

LOCATION (LEGAL)

SEC. 31-33S-36W

RIG NAME:

Cheyenne #4

FIELD-POOL

HUGOTON

FORMATION

SURFACE

WELL DATA:

| | | | | | | | | | |
|---|---------|----------------------------|--------|--|--|--|--|--|--------|
| BIT SIZE | 12 1/4" | CSG/Liner Size | 8 5/8" | | | | | | |
| TOTAL DEPTH | 690 | WEIGHT | 24# | | | | | | |
| <input type="checkbox"/> ROT <input type="checkbox"/> CABLE | | FOOTAGE | 686 | | | | | | |
| MUD TYPE | WB | GRADE | | | | | | | |
| <input type="checkbox"/> BHST <input type="checkbox"/> BHCT | 87°F | THREAD | 8 1/2" | | | | | | |
| MUD DENSITY | 9 | LESS FOOTAGE SHOE JOINT(S) | 42.33 | | | | | | TOTAL |
| MUD VISC. | | Disp. Capacity | 643.57 | | | | | | 643.47 |

COUNTY/PARISH

STEVENS CO.

STATE

KANSAS

API. NO.

NAME

Mobil Oil

AND

ORIGINAL

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

SAFELY CEMENT 686 FT. OF 8 5/8" CASING WITH 190 SXS OF LEAD AND 150 SXS OF TAIL CEMENT AS DIRECTED BY CUSTOMER.

IS CASING/TUBING SECURED?

YES NO

LIFT PRESSURE

CS 248 PSI

CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT

2000 PSI

BUMP PLUG TO

500 + AP

PSI

ROTATE

Ø RPM

RECIPROCATE

Ø FT

No. of Centralizers 5

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

| | | | | | |
|-------|-------|-----------------|------------|-------|--|
| Float | TYPE | AUTOFILL INSERT | Stage Tool | TYPE | |
| | DEPTH | 643.57 | | DEPTH | |
| Shoe | TYPE | CMT NOSE GUIDE | Stage Tool | TYPE | |
| | DEPTH | 686 | | DEPTH | |

Head & Plugs

TBG D.P.

SQUEEZE JOB

| | | | |
|---|--|------------------------|-------|
| <input type="checkbox"/> Double | SIZE | TOOL | TYPE |
| <input type="checkbox"/> Single | WEIGHT | | DEPTH |
| <input type="checkbox"/> Swage | GRADE | TAIL PIPE: SIZE | DEPTH |
| <input type="checkbox"/> Knockoff | 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 |
| | | ANNUAL VOLUME | Bbls |

| | | | | | |
|--------------|--------------------|-------------------|--|---|--|
| TIME | PRESSURE | VOLUME PUMPED BBL | JOB SCHEDULED FOR TIME: 19:00 DATE: 12-12-94 | ARRIVE ON LOCATION TIME: 19:00 DATE: 12-12-94 | LEFT LOCATION TIME: 00:45 DATE: 12-12-94 |
| 0001 to 2400 | TBG OR D.P. CASING | INCREMENT CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY |

| TIME | PRESSURE | VOLUME PUMPED BBL | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|-------|----------|-------------------|-------------|------------------|---------------|--|
| 23:08 | | | | | | PRE-JOB SAFETY MEETING |
| 23:08 | 1000 | | | | | START JOB |
| 23:13 | Ø | 25 | 5.2 | H ₂ O | 8.33 | PRESSURE TEST LINES. TEST OK |
| 23:14 | 110 | 74 | 5 | CMT | 12.2 | START WTR AHEAD. BREAK CIRCULATION |
| 23:33 | 100 | 32 | 5 | CMT | 14.8 | START LEAD SLURRY |
| 23:40 | Ø | 131 | | | | START TAIL SLURRY |
| 23:42 | | 41 | 5.4 | H ₂ O | 8.33 | SHUTDOWN. DROP TOP PLUG. |
| 23:48 | 160 | 162 | 2 | H ₂ O | 8.33 | START DISPLACEMENT |
| 23:53 | 900 | 172 | | | | LOWER PUMP RATE |
| 23:54 | Ø | 172 | | | | BUMP TOP PLUG |
| 23:56 | 1020 | 172 | | | | Bleed off Press. & CHECK FLOAT. FLOAT LEAKING. |
| 23:59 | Ø | 172 | | | | Resume Displacement / Bump Plug AGAIN |
| | | | | | | Bleed off STATE PAUSE & CHECK FLOAT. FLOAT OK |

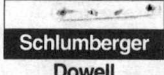
REMARKS: AP PRIOR TO Bumping Plug 250 ps. PER CO. MAN DO NOT SHUT DOWN Pumps = Batching Slurry Tub

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|----------------------------------|--|-------|---------|--------------|--|
| | | | BBLs | DENSITY | BBLs | DENSITY | | |
| 1. | 190 | 2.2 | 50/50 | C/PO2 + 6% DZO + 5% DAA (RWOW) + 1/4 pps D29 | 74.45 | 12.2 | | |
| 2. | 150 | 1.2 | 50/50 | C/PO2 + 0.75% DZO + 2% SL + 1/4 pps D29 | 32.06 | 14.8 | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

| | | | | | | | | | |
|---|--|--------------------------------------|-------------------------|-----------------------|---|-----------------------------------|---|---|---|
| BREAKDOWN FLUID TYPE | N/A | VOLUME | N/A | DENSITY | N/A | PRESSURE | 1020 | MAX. | |
| <input type="checkbox"/> HESITATION SQ. | | <input type="checkbox"/> RUNNING SQ. | | CIRCULATION LOST | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | Cement Circulated To Surf. | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | 19 Bbls |
| BREAKDOWN | PSI | FINAL | PSI | DISPLACEMENT VOL. | 41 Bbls | TYPE OF WELL | <input type="checkbox"/> OIL <input type="checkbox"/> GAS | <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION | <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT |
| Washed Thru Perfs | <input type="checkbox"/> YES <input type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT | <input checked="" type="checkbox"/> | <input type="checkbox"/> WIRELINE | | | 49 SXS |
| PERFORATIONS | TO | TO | CUSTOMER REPRESENTATIVE | DS | SUPERVISOR | | | | |
| | | | MR. Volan Youngblood | | MR. DAVID R. SARVER | | | | |

RECEIVED CORPORATION COMMISSION FEB 24 1995

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT-NUMBER: 05-12-6724
 DATE: 12-16-94
 STAGE: 21155555 Xs
 DS: DISTRICT

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

WELL NAME AND NO. K7413 1-3 LOCATION (LEGAL) Sec. 31-33s-36u
 FIELD-POOL Huron FORMATION Stoleny
 COUNTY/PARISH Stoleny STATE Ks API. NO. _____
 NAME Mobil Oil Corp
 AND _____
 ADDRESS _____
 ZIP CODE _____

RIG NAME: Chayenne #4
 WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 5 1/2 BOTTOM TOP
 TOTAL DEPTH 2970 WEIGHT 14
 ROT CABLE FOOTAGE 2971
 MUD TYPE GRADE 755
 BHST BHCT THREAD 8pd
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 44 TOTAL
 MUD VISC. Disp. Capacity 71.4

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

| | | | | | |
|-------|-------|---------------------------|------------|-------|--|
| Float | TYPE | <u>Insert Float Valve</u> | Stage Tool | TYPE | |
| | DEPTH | <u>2927</u> | | DEPTH | |
| SHOE | TYPE | <u>cut nose</u> | Stage Tool | TYPE | |
| | DEPTH | <u>2971</u> | | DEPTH | |

SPECIAL INSTRUCTIONS

ORIGINAL

Head & Plugs TBG D.P. SQUEEZE JOB
 Double WEIGHT TYPE
 Single GRADE DEPTH
 Swage THREAD TAIL PIPE: SIZE DEPTH
 Knockoff NEW USED TUBING VOLUME Bbls
 TOP R W DEPTH CASING VOL. BELOW TOOL Bbls
 BOT R W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 1752 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT 1530 PSI BUMP PLUG TO 1530 PSI
 ROTATE RPM RECIPROCATE FT No. of Centralizers

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR | | | ARRIVE ON LOCATION | | LEFT LOCATION | | |
|--------------|-------------|--------|-------------------|-----|-------------------|----------|------------|--------------------|------|---------------|------|----------|
| | TBG OR D.P. | CASING | INCREMENT | CUM | TIME | DATE | FLUID TYPE | FLUID DENSITY | TIME | DATE | TIME | DATE |
| 0001 to 2400 | | | | | 2400 | 12-15-94 | | | 2400 | 12-15-94 | 0500 | 12-16-94 |
| 0252 | 2900 | | | | | | | | | | | |
| 0354 | 0 | | 25 | | 5.5 | H2O | | | | | | |
| 0259 | 270 | | 74.6 | | 5.5 | cmt | 11.5 | | | | | |
| 0312 | 150 | | 70 | | 5.5 | cmt | 11.5 | | | | | |
| 0313 | 150 | | 78 | | 5.5 | cmt | 11.5 | | | | | |
| 0326 | 180 | | 39 | | 5.5 | cmt | 14.8 | | | | | |
| 0331 | 250 | | 30 | | 5.5 | cmt | 14.8 | | | | | |
| 0334 | 0 | | | | | | | | | | | |
| 0337 | 0 | | 71.4 | | 5.5 | H2O | | | | | | |
| 0341 | 70 | | 20 | | 5.5 | H2O | | | | | | |
| 0343 | 200 | | 30 | | 3 | | | | | | | |
| 0346 | 470 | | 42 | | 5.5 | | | | | | | |
| 0348 | 610 | | 50 | | 5.5 | | | | | | | |
| 0350 | 840 | | 63 | | 2.4 | | | | | | | |
| 0354 | 820 | | 70 | | 2 | | | | | | | |
| 0355 | 1530 | | 71.4 | | 2 | | | | | | | |
| 0356 | | | | | | | | | | | | |

REMARKS: 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. | 300 | 2.75 | class C + 3% D70 + 2% D46 + 4% D09 | | | | 146.9 | 11.5 |
| 2. | | | | | | | | |
| 3. | 160 | 1.37 | class C + 2% B28 + 2% B012 + .6% D60 + 2% D46 | | | | 39 | 14.8 |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
 Cement Circulated To Surf. YES NO Bbls: 31
 BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. 71.4 Bbls
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE: Volah Youngblood
 DS SUPERVISOR: James Esquivel