

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

Operator: License # 5208Name: Mobil Oil CorporationAddress P.O. Box 21732319 North Kansas AvenueCity/State/Zip Liberal, KS 67905-2173Purchaser: Spot MarketOperator Contact Person: Sharon CookPhone (316) 626-1142Contractor: Name: Norseman Drilling Inc.License: 3779Wellsite Geologist: L. J. Reimer

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SLOW ☐ 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 ☐ PBDT☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____

<u>8-9-96</u>	<u>8-13-96</u>	<u>9-17-96</u>
Spud Date	Date Reached TD	Completion Date

API NO. 15- 189-220900000

ORIGINAL

County Stevens- NW - SW - NW Sec. 26 Twp. 33S Rge. 37 X W ^E1390 Feet from S (circle one) Line of Section5130 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(NE) SE, NW or SW (circle one)Lease Name Carpenter #3 Unit Well # 5Field Name HugotonProducing Formation ChaseElevation: Ground 3093 KB 3102Total Depth 2976 PBDT 2884Amount of Surface Pipe Set and Cemented at 677 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ NoIf yes, show depth set NA FeetIf Alternate II completion, cement circulated from NAfeet depth to NA w/ NA sx cnt.Drilling Fluid Management Plan Alt. 1 3-3-98 V.C.
(Data must be collected from the Reserve Pit)Chloride content 9,400 ppm Fluid volume 260 bblsDewatering method used Waste Minimization Mud SystemLocation of fluid disposal if hauled offsite: 11-2-96Operator Name Mobil Oil CorporationLease Name C. W. Creamer #1 SWDW License No. 5208NE Quarter Sec. 23 Twp. 34 S Rng. 37 E/WCounty Stevens Docket No. D-19,411

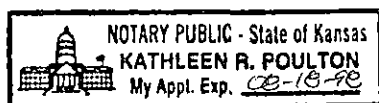
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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. CookTitle Regulatory Assistant Date 11-18-96Subscribed and sworn to before me this 18th day of November, 19 96.Notary Public Kathleen R. PoultonDate Commission Expires August 18, 1998
6-203.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)



SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Carpenter #3 Unit Well # 5
☐ East County Stevens
 Sec. 26 Twp. 33S Rge. 37 ☒ West

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	1193	1362
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stone Corral	1670	1729
		Chase	2575	2912
		Council Grove	2912	--

List All E.Logs Run:
 Dual Phase Induction Log High Resolution Gamma Ray Log
 Compensated Z-Densilog Compensated Neutron Log Gamma Ray Log
 Borehole Profile

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#	677	Class C	225	50:50 C/poz
					Class C	150	50:50 C/poz
Production Casing	7.875	5.500	14#	2929	Class C	175	3% D79
					Class C	75	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				

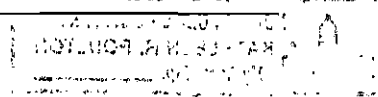
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	2580-2585	Acid: 1,000 gals 7.5% HCL	
	2646-2661	Fract: 30,282 gals 20# Crosslink gel	
	2697-2707	143,260 lbs 12/20 Brady Sand	
	2761-2781		

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. 9-11-96	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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		370			

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 _____ 2580 _____ 2781



CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

STAGE

DS

DISTRICT

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

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME:

FIELD-POOL

FORMATION

WELL DATA:

BOTTOM

TOP

COUNTY/PARISH

STATE

API. NO.

NAME

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

BIT SIZE

CSG/Liner Size

TOTAL DEPTH

WEIGHT

☐ ROT ☐ CABLE

FOOTAGE

MUD TYPE

GRADE

☐ BHST

THREAD

MUD DENSITY

LESS FOOTAGE SHOE JOINT(S)

MUD VISC.

Disp. Capacity

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

Float

TYPE

DEPTH

Stage Tool

TYPE

DEPTH

SHOE

TYPE

DEPTH

Stage Tool

TYPE

DEPTH

Head & Plugs

☐ TBG☐ D.P.

SQUEEZE JOB

☐ Double

SIZE

TOOL

TYPE

☐ Single☐ WEIGHT

TOOL

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

IS CASING/TUBING SECURED?

☒ YES☐ NO

LIFT PRESSURE

278

PSI

CASING WEIGHT ÷ SURFACE AREA

(3.14 × R²)

PRESSURE LIMIT

PSI

BUMP PLUG TO

700

PSI

ROTATE

RPM

RECIPROCATATE

FT

No. of Centralizers

JOB SCHEDULED FOR

TIME

DATE

2000

8-9-96

ARRIVE ON LOCATION

TIME

DATE

2000

8-9-96

LEFT LOCATION

TIME

DATE

0100

8-10-96

SERVICE LOG DETAIL

TIME

PRESSURE

VOLUME PUMPED BBL

INJECT RATE

FLUID TYPE

FLUID DENSITY

0001 to 2400

TBG OR D.P.

CASING

INCREMENT

CUM

2300

1000

25

5.7

H2O

12.8

PRE-JOB SAFETY MEETING + PSI test lines

2302

0

76

5.7

cmt

12.8

start H2O ahead

2307

150

45

5.7

cmt

12.8

start lead cmt.

2315

160

32.5

5.7

cmt

12.8

psi check

2320

100

20

5.6

cmt

14.6

start tail cmt.

2324

220

40.7

5.6

cmt

14.6

psi check

2327

0

20

5.6

H2O

12.8

shut down drop top plug

2327

0

30

5.6

H2O

12.8

start displacement

2332

150

37

2.2

cmt

12.8

psi check

2333

290

41

2.2

cmt

12.8

cmt. to surface lower rate

2336

240

bump top plug

2338

700

shut in cmt. manifold

2339

bump psi of end job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	225	1.89	50% c	50% p	6% g	3% c	5% D44	12.8
2.								
3.	150	1.22	50% c	50% p	2.5% g	1% c	1% D79	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE

VOLUME

DENSITY

PRESSURE

MAX

MIN

☐ HESITATION SQ.☐ RUNNING SQ.

CIRCULATION LOST

☐ YES ☒ NO

Cement Circulated To Surf.

☒ YES ☐ NO

Bbls

BREAKDOWN

PSI

FINAL

PSI

DISPLACEMENT VOL.

40.7 Bbls

TYPE

OF WELL

☐ OIL☐ GAS☐ STORAGE☐ INJECTION☐ BRINE WATER☐ WILDCAT

Washed Thru Perfs

☐ YES ☐ NO

TO

FT.

MEASURED DISPLACEMENT

☐ WIRELINE

PERFORATIONS

CUSTOMER REPRESENTATIVE

DS

SUPERVISOR

TO

TO

Russell Worely

James Esquivel

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

DATE

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

STAGE

DS

DISTRICT

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME:

FIELD-POOL

FORMATION

WELL DATA:

BOTTOM

TOP

COUNTY/PARISH

STATE

API. NO.

BIT SIZE

CSG/Liner Size

TOTAL DEPTH

WEIGHT

☐ ROT ☐ CABLE

FOOTAGE

MUD TYPE

GRADE

☐ BHST☐ BHCT

THREAD

MUD DENSITY

LESS FOOTAGE SHOE JOINT(S)

MUD VISC.

Disp. Capacity

ORIGINAL

TOTAL

NAME

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? ☐ YES ☐ NO

LIFT PRESSURE

PSI

CASING WEIGHT ÷ SURFACE AREA
(3.14 x R²)

PRESSURE LIMIT

PSI

BUMP PLUG TO

PSI

ROTATE

RPM

RECIPROCATATE

FT

No. of Centralizers

Head & Plugs

☐ TBG☐ D.P.

SQUEEZE JOB

☐ Double

SIZE

☐ Single☐ WEIGHT☐ Swage☐ GRADE☐ Knockoff☐ THREADTOP ☐ R ☐ W☐ NEW ☐ USEDBOT ☐ R ☐ W

DEPTH

TOOL

TYPE

DEPTH

TAIL PIPE: SIZE

DEPTH

TUBING VOLUME

Bbls

CASING VOL. BELOW TOOL

Bbls

TOTAL

Bbls

ANNUAL VOLUME

Bbls

TIME

PRESSURE

VOLUME PUMPED BBL

JOB SCHEDULED FOR

TIME: 1830 DATE: 8-17

ARRIVE ON LOCATION

TIME: 1830 DATE: 8-17

LEFT LOCATION

TIME: 11-3-96

DATE: 8-17

0001 to 2400

TBG OR D.P.

CASING

INCREMENT

CUM

INJECT RATE

FLUID TYPE

FLUID DENSITY

SERVICE LOG DETAIL

PRE-JOB SAFETY MEETING

2333

2500

00

X

H2O

8.3

PSI TEST

2335

140

10

00

5.5

H

11

START H2O

2338

180

84

10

5.5

CMT

11.5

1.0 CMT

2353

150

18

94

5.5

CMT

14.8

1.0 CMT

2356

120

112

112

H2O

8.3

SHUT DOWN W/SHUT OFF

0000

70

6

11

11

BUMP PLUG START + DISC

0010

600

58

6

11

11

PSI CHECK

0011

430

61

2.5

11

11

LOW OR RITE

0015

1300

70

2.5

11

11

BUMP PLUG

0016

0

00

00

00

00

00

Bleed line check

REMARKS

SYSTEM CODE

NO. OF SACKS

YIELD CU. FT/SK

COMPOSITION OF CEMENTING SYSTEMS

SLURRY MIXED

BBLs

DENSITY

1.

175

2.75

C + 2% A-79 + 0.2% D-46 + 4% S-0.29

84

11.5

2.

75

1.27

C + 2% B-28 + 2% G-51 + 0.6% D-60 + 0.2% D-46 + 4% S-0.29

18

14.8

3.

4.

5.

6.

BREAKDOWN FLUID TYPE

VOLUME

DENSITY

PRESSURE

MAX.

1300 MIN: 120

☐ HESITATION SQ.☐ RUNNING SQ.

CIRCULATION LOST

☐ YES ☐ NO

Cement Circulated To Surf.

☐ YES ☐ NO

Bbls.

BREAKDOWN

PSI

FINAL

PSI

DISPLACEMENT VOL.

70

Bbls

Washed Thru Perfs

☐ YES ☐ NO

TO

FT.

MEASURED DISPLACEMENT

☐ WIRELINE

TYPE OF WELL

☐ OIL ☐ GAS☐ STORAGE ☐ INJECTION☐ BRINE WATER ☐ WILDCAT

PERFORATIONS

CUSTOMER REPRESENTATIVE

DS

SUPERVISOR

TO

TO

TO

TO

Dennis Russell

R. P. Pearson