

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

API NO. 15- 189-219990000

County Stevens  
- - C - NW Sec. 26 Twp. 33S Rge. 35 X W <sup>E</sup>

Operator: License # 5208

1320 Feet from S/W (circle one) Line of Section

Name: Mobil Oil Corporation

1320 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 Heath "A" Unit Well # 3

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 2963 KB 2972

Phone (316) 626-1142

Total Depth 2930 PBDT 2872

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 744 Feet

License: 3779

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: L. J. Reimer

If yes, show depth set NA Feet

Designate Type of Completion  
 New Well  Re-Entry  Workover

If Alternate II completion, cement circulated from NA

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

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan alt I 4-17-96  
(Data must be collected from the Reserve Pit) li

Operator: \_\_\_\_\_

Chloride content 9,200 ppm Fluid volume 130 bbls

Well Name: \_\_\_\_\_

Dewatering method used Waste Minimization Mud System

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

Operator Name Mobil Oil Corporation

10-6-95 10-9-95 11-14-95  
Spud Date Date Reached TD Completion Date

Lease Name C. W. Creamer #1 SWDW License No. 5208

NE Quarter Sec. 23 Twp. 34 S Rng. 37 E/W

County 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. Cook

Title Regulatory Assistant Date 1-8-96

Subscribed and sworn to before me this 8th day of January, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998  
6-24.kcc

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
STATE CORPORATION COMMISSION  SWD/Rep  NGPA  
 Plug  Other  
(Specify)  
RECEIVED: 1-06-96  
JAN 6 1996



Form ACO-1 (7-91)  
WICHITA, KANSAS

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Heath "A" Unit Well # 3

Sec. 26 Twp. 33S Rge. 35  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 Name Top Datum Glorietta 1212 1358 Stone Corral 1687 1704 Chase 2636 -- Council Grove -- --
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run: High Resolution Dual Induction Focused Log Gamma Ray/Caliper Z-Densilog Compensated Neutron Spectralog Caliper Log Gamma Ray		

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#	744	Class C Class C	275 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2920	Class C Class C	225 175	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	2636-46	Acid: 500 gals 7.5% HCL	
	2671-77	Fract: 625 bbls 20# Crosslink gel	
	2710-30	130,500 lbs 12/20 Brady Sand	
	2755-70		

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. 11-10-95	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 110 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: 2636 2770

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER 03-12-4656	DATE 10-9-95
STAGE DS	DISTRICT Ulysses, KS
03-12	

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

WELL NAME AND NO. HEATH A-3	LOCATION (LEGAL) SEC 26-33S-35W
FIELD-POOL HUGOTON	FORMATION CHASE
COUNTY/PARISH STEVENS	STATE KS
API. NO.	

RIG NAME: NORSMAN #2	WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2		
TOTAL DEPTH 2930	WEIGHT	14		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	2925		
MUD TYPE	GRADE	U5550		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8RD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	44		TOTAL
MUD VISC.	Disp. Capacity	70.2		

NAME MOBIL OIL CORP.

AND **ORIGINAL**

ADDRESS \_\_\_\_\_

ZIP CODE \_\_\_\_\_

SPECIAL INSTRUCTIONS SAFELY CEMENT 5 1/2 production casing with 225 SKS OF LEAD AND 175 SKS OF TAIL CEMENT AS DIRECTED BY THE CUSTOMER

Float	TYPE	INSERT FLOAT VALVE	Stage Tool	TYPE	
	DEPTH	2881		DEPTH	
SHOE	TYPE	CMT NOSE	Stage Tool	TYPE	
	DEPTH	2925		DEPTH	

Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE		TOOL	TYPE
<input 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 RECIPROCATATE FT No. of Centralizers			ANNUAL VOLUME	Bbls

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE 1487 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT 500 OVER PSI BUMP PLUG TO 1550 PSI

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR TIME: 1200 DATE: 10-9-95	ARRIVE ON LOCATION TIME: 1200 DATE: 10-9-95	LEFT LOCATION TIME: 1630 DATE: 10-9-95
0001 to 2400	TBG OR D.P. CASING	INCREMENT CUM	INJECT RATE FLUID TYPE FLUID DENSITY	SERVICE LOG DETAIL	

TIME	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1400								PRE-JOB SAFETY MEETING
1420	25	00	-	-	-	H2O	8.33	PRESSURE TEST LINES
1428	-	Ø	25	-	5.8	H2O	8.33	START H2O SPACER
1433	-	200	108	25	5.8	CMT	11.5	START LEAD SLURRY
1451	-	100	49	135	5.9	CMT	14.8	START TAIL SLURRY
1500	-	-	-	104	-	-	-	SHUTDOWN/WASH LINES / DROP PLUG
1504	-	0	70	-	6.0	H2O	8.33	START Displacement
1519	-	1050		63	3.8	H2O	8.33	PSI check
1522	-	1120		68	2.0	H2O	8.33	PSI check
1523	-	1550		70	-	-	-	STOP PUMP / Plug Down
1524	-	-	-	-	-	-	-	Bled Lines / check FLOAT Float Holding / End Job

REMARKS \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	225	2.75	C + 3% D797 + 0.2% D46 + 1/4 H/SK D29	110.1	11.5			
2.	175	1.37	C + 2% B28 + 2% S1 + 0.6% D60 + 0.2% D46	42.6	14.8			
3.								
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.	70	Bbls
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/>	<input type="checkbox"/> WIRELINE	
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
			Tom Dunning	Ross Wagstaff	

**CEMENTING SERVICE REPORT**

Schlumberger

Dowell

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: 03-12-7644 DATE: 10-6-95  
 STAGE: DS DISTRICT: Ulysses, KS 03-12

DS-495A PRINTED IN U.S.A.

WELL NAME AND NO. **HEATH A #3**  
 LOCATION (LEGAL) **SEC 26-37S-35W**  
 FIELD-POOL **HUGOTON**  
 FORMATION **SURFACE**  
 COUNTY/PARISH **STEVENS**  
 STATE **KS** APL. NO.

RIG NAME: **NORMAN #2**  
 WELL DATA: **BIT SIZE 2 7/8** CSG/Liner Size **8 5/8** BOTTOM TOP  
**TOTAL DEPTH 752** WEIGHT **24**  
 ROT  CABLE FOOTAGE **748**  
 MUD TYPE GRADE **USS50**  
 BHST  BHCT THREAD **8RD**  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **41** TOTAL  
 MUD VISC. Disp. Capacity **45**

NAME **MOBIL OIL CORP**  
**ORIGINAL**  
 AND  
 ADDRESS  
 ZIP CODE

SPECIAL INSTRUCTIONS **SAFELY CEMENT 8 5/8" SURFACE CASING WITH 275 SKS OF LEAD AND 175 SKS OF TAIL AS DIRECTED BY THE CUSTOMER**

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

Float	TYPE	<b>BAFFLE PLATE</b>	Stage Tool	TYPE
	DEPTH	<b>707</b>		DEPTH
SHOE	TYPE	<b>CMT NOSE</b>	Stage Tool	TYPE
	DEPTH	<b>748</b>		DEPTH

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **265** PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **500 OVER** PSI BUMP PLUG TO **840** PSI  
 ROTATE RPM RECIPROCATATE FT No. of Centralizers

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

JOB SCHEDULED FOR TIME: **2230** DATE: **10-6-95** ARRIVE ON LOCATION TIME: **2240** DATE: **10-6-95** LEFT LOCATION TIME: **0300** DATE: **10-7-95**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
2400								PRE-JOB SAFETY MEETING
0029	25	00	-	-	-	H <sub>2</sub> O	8.33	PRESSURE TEST LINES
0033	-	20	25	-	5.9	H <sub>2</sub> O	8.33	START H <sub>2</sub> O SPACER
0107	-	270	87	25	5.8	CMT	12.8	START LEAD SLURRY
0048	-	250		63	5.9	-	-	SHUTDOWN / CLEAN TUB
0106	-	250		63	5.9	CMT	12.8	RESTART LEAD SLURRY
0120	-	90	32	63	4.1	CMT	14.6	START TAIL SLURRY
0131	-	-	-	95	-	-	-	SHUTDOWN / DROP TOP PLUG
0133	-	20	45	-	4.1	H <sub>2</sub> O	8.33	START DISPLACEMENT
0144	-	210		35	4.1	H <sub>2</sub> O	8.33	PSI CHECK
0148	-	220		44	2.0	H <sub>2</sub> O	8.33	PSI CHECK
0149	-	840		45	-	-	-	STOP PUMP / PLUG DOWN
0153	-	370		-	-	-	-	Bleed Line / Close Manifold

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	275	1.89	50/50 P02/C + 6% D20 + 3% S1 + 5% D44 (Brow) + 1/4 #1/8 D29		92.5	12.8
2.	175	1.22	50/50 P02/C + 2.5% S1 + 1/4 #1/8 D29		38	14.6
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN: **89 SKS**  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO **30** Bbls.  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OF WELL  OIL  STORAGE  BRINE WATER  
 GAS  INJECTION  WILDCAT  
 Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT   WIRELINE  
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Tom Dunning** DS SUPERVISOR **Russ Wagstaff**