

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: Norseman Drilling Inc.

License: 3779

Wellsite 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-15-97 10-18-97 10-31-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-222030000

County Stevens

NE - SW - SW Sec. 9 Twp. 34 Rge. 36 X W E

1300 Feet from S/N (circle one) Line of Section

1253 Feet from E/W (circle one) Line of Section

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

Lease Name McNutt #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3076 KB 3085

Total Depth 2984 PBTB 2927

Amount of Surface Pipe Set and Cemented at 699 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 AH.1, 5-12-98 UC
(Data must be collected from the Reserve Pit)

Chloride content 15,000 ppm Fluid volume 200 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name _____ License No. 5208

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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 2-10-97

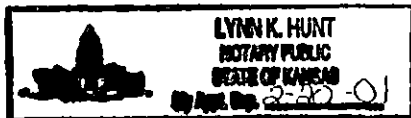
Subscribed and sworn to before me this 10th day of February, 19 98.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001
8-7.kcc

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
DISTRIBUTION		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input checked="" type="checkbox"/>	CONS/KGS/STION	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

FEB 11 1998 2-11-98



Operator Name Mobil Oil Corporation Lease Name McNutt #1 Unit Well # 3
 Sec. 9 Twp. 34 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 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#	699	Class C Class C	250 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2974	Class C Class C	225 100	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 SPF	2690-2696	Acid: 1,000 gals 7.5% HCL	
	2760-2770	Fract: 21,000 gals WF130 in 80q foam	
	2808-2818	51,000 lbs 16/30 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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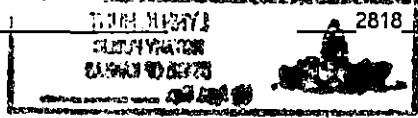
Date of First, Resumed Production, SWD or Inj. 11-3-97	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		147			

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

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

Production Interval: 2690



CEMENTING SERVICE REPORT

Schlumberger

Dowell

TREATMENT NUMBER 238 DATE 10-16-97
 STAGE DS DISTRICT 415555 KS

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

WELL NAME AND NO. *McNHH #1-3* LOCATION (LEGAL) *Sec 9-345-36W* RIG NAME: *Noeseman #2*

FIELD-POOL *Hooton* FORMATION *Stevens* COUNTY/PARISH *Stevens* STATE *KS* API. NO. _____

NAME *Mobil Oil Corp*

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS

WELL DATA:		BOTTOM		TOP	
BIT SIZE <i>8 1/2</i>	CSG/Liner Size <i>8 1/2</i>				
TOTAL DEPTH <i>699</i>	WEIGHT <i>24</i>				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <i>699</i>				
MUD TYPE	GRADE <i>115550</i>				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <i>820</i>				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) <i>4.3</i>				TOTAL
MUD VISC.	Disp. Capacity <i>4.17</i>				

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

Float	TYPE <i>Baffle Plate</i>	DEPTH <i>656</i>	TYPE	
Stage Tool	TYPE <i>Int Hose</i>	DEPTH <i>699</i>	TYPE	
SHOE	DEPTH		DEPTH	

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE *287* PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT _____ PSI BUMP PLUG TO *823* PSI

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers _____

Head & Plugs	<input checked="" 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	Bbbs
TOP <input type="checkbox"/> R <input type="checkbox"/> W	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	Bbbs
BOT <input type="checkbox"/> R <input type="checkbox"/> W	DEPTH	TOTAL	Bbbs
		ANNUAL VOLUME	Bbbs

JOB SCHEDULED FOR TIME *0030* DATE *10-16* ARRIVE ON LOCATION TIME *0000* DATE *10-16* LEFT LOCATION TIME *0500* DATE *10-16*

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0301	1950							PRE-JOB SAFETY MEETING + PSI Test
0303	0	25			5.7	H2O		start H2O ahead
0307	110	84			5.6	cmt 12.8		start lead cmt.
0318	140		60		5.6	cmt 12.8		PSI check
0322	70	33			3.7	cmt 14.6		start tail cmt.
0326	170		20		5.4	cmt 14.6		PSI check
0328	0							shut down deep top plug
0332	0	41.7			5	#70		start displacement
0337	147		20		5	H2O		PSI check
0339	252		20		5.7			PSI check
0340	290		35		2			lower rate
0342	225		40		2			PSI check
0342	235		41		2			"
0343	223		42		2			bump top plug
0344	0							shut in cmt manifold
0345	0							bleed psi at end job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	250	1.89	50c	50% opoz + 6% gel + 3% arcel 2 + 5% DV4 + 4#1029	84.1	12.8
2.						
3.	150	1.22	50c	50% opoz + 2.5% arcel 2 + 4#1029	32.5	14.6
4.						
5.						
6.						

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. *41.7* Bbbs

Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO TO TO

CUSTOMER REPRESENTATIVE *R.D. Worley*

DIVISION *W. Va. Kansas*

PRESSURE MAX. *1000* MIN. *3*

Cement Circulated To Surf. YES NO Bbbs

TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

DS SUPERVISOR *James Esquivel*

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TRIP NUMBER: 240
DATE: 10-18-97
STAGE: DS DISTRICT: WYSSCS, KS

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

WELL NAME AND NO. *McNutt #1-3* LOCATION (LEGAL) *Sec. 9-345-366* RIG NAME: *Norseman #2*

FIELD-POOL *Hugoton* FORMATION STATE *Ks.* API. NO. WELL DATA: BIT SIZE *5 1/2* CSG/Liner Size *5 1/2* BOTTOM TOP

COUNTY/PARISH *Stevens* NAME *Mobil Oil Corp* AND ADDRESS ZIP CODE

MUD TYPE *U5550* GRADE *825* WEIGHT *14* FOOTAGE *2974* MUD DENSITY *46* LESS FOOTAGE SHOE JOINT(S) MUD VISC. *714* Disp. Capacity

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

Float	TYPE <i>14 1/2" Float</i>	DEPTH <i>2928</i>	Stage Tool	TYPE	DEPTH
SHOE	TYPE <i>cmf Hore</i>	DEPTH <i>2974</i>		TYPE	DEPTH

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff TOP BOT OR OW

SIZE WEIGHT GRADE THREAD DEPTH TAIL PIPE: SIZE DEPTH TUBING VOLUME CASING VOL. BELOW TOOL TOTAL ANNUAL VOLUME

ORIGINAL

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE *1754* PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)

PRESSURE LIMIT *1134* PSI BUMP PLUG TO *1134* PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE		LEFT LOCATION TIME DATE	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING <i>psi test</i>			
<i>1143</i>	<i>2350</i>							<i>start H2O ahead</i>			
<i>1145</i>	<i>260</i>	<i>25</i>	<i>8</i>		<i>5.7</i>	<i>H2O</i>		<i>psi check</i>			
<i>1146</i>	<i>260</i>				<i>5.7</i>	<i>H2O</i>		<i>start lead cmt.</i>			
<i>1150</i>	<i>305</i>	<i>110</i>			<i>5.7</i>	<i>cmt</i>	<i>11.5</i>	<i>psi check</i>			
<i>1206</i>	<i>150</i>	<i>64</i>			<i>5.7</i>	<i>cmt</i>	<i>11.3</i>	<i>start tail cmt.</i>			
<i>1209</i>	<i>155</i>	<i>24</i>			<i>5.7</i>	<i>cmt</i>	<i>14.8</i>	<i>psi check</i>			
<i>1212</i>	<i>250</i>	<i>16</i>			<i>5.7</i>	<i>cmt</i>	<i>14.8</i>	<i>psi check</i>			
<i>1213</i>	<i>0</i>							<i>shut down wash pumping lines deep top plug</i>			
<i>1217</i>	<i>0</i>	<i>71.4</i>			<i>5.7</i>	<i>H2O</i>		<i>start displacement</i>			
<i>1225</i>	<i>156</i>	<i>30</i>			<i>5.7</i>	<i>H2O</i>		<i>psi check</i>			
<i>1226</i>	<i>240</i>	<i>40</i>			<i>5.7</i>			<i>" "</i>			
<i>1228</i>	<i>360</i>	<i>50</i>			<i>5.6</i>			<i>" "</i>			
<i>1230</i>	<i>560</i>	<i>60</i>			<i>5.5</i>			<i>" "</i>			
<i>1231</i>	<i>645</i>	<i>64</i>			<i>2</i>			<i>10 gpm rate</i>			
<i>1233</i>	<i>610</i>	<i>70</i>			<i>2</i>			<i>psi check</i>			
<i>1234</i>	<i>1134</i>	<i>71.4</i>			<i>2</i>			<i>bring top plug</i>			
<i>1235</i>								<i>bleed psi of check floats</i>			

REMARKS *END JOB*

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	<i>225</i>	<i>2.75</i>	<i>class C + 3% D79 + .2% D46 + 1/4 #1 D79</i>				<i>110.1</i>	<i>11.5</i>
2.								
3.	<i>100</i>	<i>1.37</i>	<i>class C + 2% B28 + 2% B28 + 1/4 #1 D79 + .6% D46 + .2% D46</i>				<i>24.3</i>	<i>14.8</i>
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. *714* Bbls TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE *R.D. Worley* DS SUPERVISOR *James Esquivel*