

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- 055-215080000  
County Finney  
NE - NW - SW Sec. 17 Twp. 26 Rge. 33 X E W

Operator: License # 5208

2610 Feet from S/W (circle one) Line of Section

Name: Mobil Oil Corporation

715 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 Stone "A" Unit Well # 52

City/State/Zip Liberal, KS 67905-2173

Field Name Hugoton

Purchaser: Spot Market

Producing Formation Chase

Operator Contact Person: Sharon Cook

Elevation: Ground 2912 KB 2921

Phone (316) 626-1142

Total Depth 2841 PBDT 2785

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 944 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

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 Att. 1, 4-2-98 U.C.  
(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 15,000 ppm Fluid volume 0 bbls

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

Dewatering method used Evaporation

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 \_\_\_\_\_ License No. 5208

4-28-97 5-1-97 5-31-97

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

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 8-20-97

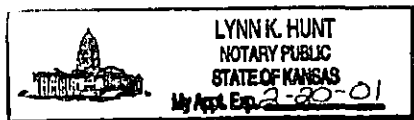
Subscribed and sworn to before me this 20th day of August, 19 97.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001  
7-58.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
<input checked="" type="checkbox"/>	KCC	Distribution
<input type="checkbox"/>	KGS	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
		<input type="checkbox"/> Plug <input checked="" type="checkbox"/> Other (Specify)

RECEIVED  
KANSAS CORPORATION COMMISSION



AUG 21 1997  
8-21-97  
CONSERVATION DIVISION  
WICHITA, KS

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

Sec. 17 Twp. 26 Rge. 33  East  West  
 County Finney

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#	944	Class C Class C	300 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2831	Class C Class C	200 100	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	2702-14	Acid: 1,000 gals 7.5% HCL	
	2644-52	Fract: 15,920 gals Clearfrac in 55q foam	
	2606-14	67,350 lbs 12/20 Brady Sand	
	2578-86		

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. 5-22-97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 185 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

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

Production Interval: 2578  
2714

CEMENTING SERVICE REPORT

Schlumberger  
Dowell

TREATMENT NUMBER 512-4171 DATE 5-1-77  
WELL SURGE DS DISTRICT L115 SPS KC

DS-498-A PRINTED IN U.S.A

WELL NAME AND NO Stone A #3	LOCATION (LEGAL) Sec. 17-26N-33W	RIG NAME HORSEMAN #2
FIELD-POOL Hogston	FORMATION	WELL DATA
COUNTY/PARISH FINNAP	STATE KS	API NO.
NAME Mobil Oil Corp.	ADDRESS	ZIP CODE
SPECIAL INSTRUCTIONS	BIT SIZE 1 7/8 CSQ/Liner Size 5 7/8 TOTAL DEPTH WEIGHT 14 <input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE 2831 MUD TYPE GRADE 11.550 <input type="checkbox"/> BHST <input type="checkbox"/> BHCT THREAD 800 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 40 MUD VISC. Disp. Capacity 61.7	

ORIGINAL

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 110 PSI	CASING WEIGHT - SURFACE AREA (3.14 * R <sup>2</sup> )	ARRIVE ON LOCATION TIME 0100 DATE 5-1	LEFT LOCATION TIME 0030 DATE 5-1
PRESSURE LIMIT PSI	BUMP PLUG TO 1540 PSI	ROTATE RPM RECIPROCATE FT No of Centralizers	HEAD & PLUGS <input type="checkbox"/> TBG <input type="checkbox"/> DP <input type="checkbox"/> SQUEEZE JOB <input type="checkbox"/> Double <input type="checkbox"/> Single <input type="checkbox"/> Swage <input type="checkbox"/> Knockoff SIZE WEIGHT GRADE THREAD NEW USED DEPTH TUBING VOLUME CASING VOL BELOW TOOL TOTAL ANNUAL VOLUME	

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE			LEFT LOCATION TIME DATE		
	TBG OR DP	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
0428	175												
0429	0	25			5.7	H2O							
0433	190	48			5.7	CMF	11.5						
0442	145	50			5.7	CMF	11.5						
0450	130	24			4	CMF	14.8						
0453	110	12			4	CMF	14.8						
0456	0												
0501	0	67.7			0	H2O							
0504	30	20			6	H2O							
0506	130	30			6								
0508	200	40			6								
0510	410	50			5.8								
0511	650	60			2								
0513	620	65			2								
0514	645	66			2								
0515	540	68			2								
0516													

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION  
WICHITA, KS

REMARKS  
paid job

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1	200	7.75	class C + 3% 1179 + 2% 1174 + 1% 1179				9.7	11.5
2								
3	100	1.37	class C + 2% 1128 + 2% 1112 + .6% 1160 + .2% 1174				24.5	14.5
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 checked="" type="checkbox"/> NO	Cement Circulated To Surf	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER
Washed Thru Peris	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO FT	MEASURED DISPLACEMENT	<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
PERFORATIONS	TO TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR		
		Russell Urelog	James Esquivel		

**CEMENTING SERVICE REPORT**

Schlumberger  
Dowell

TREATMENT NUMBER: 03-12-9166  
DATE: 4-29-97  
STAGE: 1 DS DISTRICT: Ulysses KS

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

WELL NAME AND NO. <i>Stone A-3</i>		LOCATION (LEGAL) <i>Sec. 17-26S-33W</i>	RIG NAME: <i>Narsman #2</i>
FIELD-POOL <i>Hugoton</i>	FORMATION <i>Surface</i>		WELL DATA: BOTTOM TOP
COUNTY/PARISH <i>Finney</i>	STATE <i>KS</i>	API. NO.	BIT SIZE <i>12 1/4</i> CSG/Liner Size <i>8 5/8</i>
NAME <i>Mobil Exp US Inc</i>		TOTAL DEPTH <i>949</i> WEIGHT <i>24</i>	
AND		<input type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE <i>944</i>	
ADDRESS		MUD TYPE <i>Gel.</i> GRADE <i>USS50</i>	
ZIP CODE		<input type="checkbox"/> BHST <input type="checkbox"/> BHCT <i>70</i> THREAD <i>8RD</i>	
SPECIAL INSTRUCTIONS		MUD DENSITY <i>9.5</i> LESS FOOTAGE SHOE JOINT(S) <i>414</i>	
		MUD VISC. <i>33</i> Disp. Capacity <i>57.5</i>	

**ORIGINAL**

Float	TYPE	<i>Raffle Plate</i>	Stage Tool	TYPE	
	DEPTH	<i>902</i>		DEPTH	
SHOE	TYPE	<i>Guide</i>		TYPE	
	DEPTH	<i>944</i>		DEPTH	

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		HEAD & PLUGS <input type="checkbox"/> TBG <input type="checkbox"/> D.P.		SQUEEZE JOB	
LIFT PRESSURE <i>388</i> PSI	CASING WEIGHT + SURFACE AREA (3.14 x R <sup>2</sup> )	<input type="checkbox"/> Double	SIZE	TOOL	TYPE
PRESSURE LIMIT <i>1000</i> PSI	BUMP PLUG TO <i>600</i> PSI	<input type="checkbox"/> Single	WEIGHT	DEPTH	
ROTATE <i>0</i> RPM	RECIPROCATE <i>0</i> FT	<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE	DEPTH
No. of Centralizers <i>6</i>		<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME	Bbbs
		<input type="checkbox"/> TOP <input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL	Bbbs
		<input type="checkbox"/> BOT <input type="checkbox"/> DEPTH		TOTAL	Bbbs
				ANNUAL VOLUME	Bbbs

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											
0200											PRE-JOB SAFETY MEETING
0610		1700									Test Lines
0612		139	25	0	5.7	H <sub>2</sub> O	8.32				Start H <sub>2</sub> O
0617		159	101	25	5.7	Cmt	12.8				Start Lead Cement
0634		85	38	126	4.0	Cmt	14.6				Start tail Cement
		0		164							Shut down Drop Top Plug
0644		60	50		5.0	H <sub>2</sub> O	8.32				Start Displacement
0655		350	7.5	214	2.3	H <sub>2</sub> O	8.32				Slow Rate
6558		625		2215							Bump Top Plug
											Close in head
											Tub Complete

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
							BBLs	DENSITY	
1.	300	1.89	50/50 Pac/c	6% D20	3% S1	5% D44 (BWow)	1/4" 1/2" 029/SK	101	12.8
2.	175	1.22	50/50 Pac/c	2.5% S1			1/4" 1/2" 029/SK	138	14.6
3.									
4.									
5.									
6.									

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX. <i>625</i>	MIN: <i>60</i>
<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	<i>304</i>	Bbbs
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	<i>57.5</i>	Bbbs	TYPE OF WELL
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE		<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
PERFORATIONS	TO	TO		CUSTOMER REPRESENTATIVE	DS	SUPERVISOR	
				<i>Russell Worley</i>		<i>David J. Bramley</i>	