

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

API NO. 15- 189-220830000

ORIGINAL

County Stevens

NE - SW - SW Sec. 11 Twp. 32S Rge. 36 X W ^E

1250 Feet from S/N (circle one) Line of Section

1250 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 Tilford #1 Unit Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3049 KB 3058

Total Depth 2974 PBTD 2922

Amount of Surface Pipe Set and Cemented at 729 Feet

Multiple Stage Cementing Collar Used? Yes X 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 Att. 1, 2-25-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1,000 ppm Fluid volume 260 bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: H-69-H

Operator Name Mobil Oil Corporation

Lease Name Parker Est. #1-2 SWDW License No. 5208

SW Quarter Sec. 19 Twp. 34 S Rng. 36 E/W

County Stevens Docket No. D-23,898

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

7-29-96 8-2-96 8-30-96
Spud Date Date Reached TD Completion Date

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 11-5-96

Subscribed and sworn to before me this 5th day of November, 19 96.

Notary Public Dana S. Bailey

Date Commission Expires August 30, 1999
6-198.kcc

NOTARY PUBLIC - State of Kansas
DANA S. BAILEY
My Appl. Exp. 8/30/99

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)

Operator Name Mobil Oil Corporation Lease Name Tilford #1 Unit Well # 3

Sec. 11 Twp. 32S 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	1277	1452
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stone Corral	1754	1806
		Chase	2609	2947
		Council Grove	2947	--

List All E.Logs Run:
 Hi 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#	729	Class C Class C	225 175	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2964	Class C Class C	160 75	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	2601-2611 2776-2786	Acid: 1,000 gals 7.5% HCL	
	2648-2654	Fract: 25,500 gals 20# Crosslink gel	
	2681-2691	132,000 lbs 12/20 Brady Sand	
	2734-2744		

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. 8-24-96			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 350 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

Production Interval: 2601
2786

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER 128519 DATE 7-30-96
STAGE DS 03 DISTRICT 124KS

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

WELL NAME AND NO. Tilford 1-3	LOCATION (LEGAL) Sec 11-32S-36W	RIG NAME: Noiseman #2
FIELD-POOL Hugoton	FORMATION Surface	WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 5/8
COUNTY/PARISH STEVENS	STATE KS	API. NO.
NAME Mobiloil		TOTAL DEPTH 734 WEIGHT 24
AND		FOOTAGE 728
ADDRESS		MUD TYPE GRADE
		GRADE
		LESS FOOTAGE SHOE JOINT(S) 42
		Disp. Capacity 49

ORIGINAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
Float TYPE DEPTH 687
SHOE TYPE DEPTH 729
Stage Tool TYPE DEPTH

SPECIAL INSTRUCTIONS
Safety Cement Surface
Casing AS Directed by Customer!!

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 300 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)	TOP <input type="checkbox"/> NEW <input type="checkbox"/> USED	TUBING VOLUME Bbls
PRESSURE LIMIT 2,000 PSI	BUMP PLUG TO 620 PSI	ROTATE RPM RECIPROCATATE FT No. of Centralizers	BOT <input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL Bbls
			DEPTH	TOTAL Bbls
				ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME 1530 DATE 7-30-96 ARRIVE ON LOCATION TIME 0130 DATE 7-30-96 LEFT LOCATION TIME 0500 DATE 7-30-96

TIME	PRESSURE TBG OR D.P.	CASING	VOLUME PUMPED BBL INCREMENT CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0341							PRE-JOB SAFETY MEETING PSZ TEST 1600 PSZ
0342	120		20	5.5	H2O	8.3	START H2O Ahead
0346	150	75	20	5.5	CMO	12.8	START Lead Cement
0400	200	37	95	5.5	CMT	14.6	START Tail Cement
0407	240	32	132	5.5	H2O	8.3	Shutdown Prop Plug, START Displacement
0415	280	12	164	2.5	H2O	8.3	Lower Pump Rate
0422	620		176				Bump Plug Shutdown
0423							End Job

3 Dowell

Bump Plug TO 620 PSI
44SKS TO Surface

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY		
1.	225	1.89	5% portc + 16% D2ct + 3% SI + 5% D44 Benowt + Kit# SK D29	75.7	12.8			
2.	175	1.22	5% portc + 2.5% SI + 1/4 #/SK D29	38	14.6			
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE 620	MAX. 120	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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO 15 Bbls
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 44 Bbls	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER <input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT. MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE Russell Worley	DS SUPERVISOR Darren D Shilling	

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

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

TREATMENT NUMBER	DATE	
05-21	8-2-96	
STAGE	DS	DISTRICT
1	03	12

WELL NAME AND NO. TILFORD 1-3	LOCATION (LEGAL) 820; 11-325-364	RIG NAME: 2015mq2
FIELD-POOL Hugoton	FORMATION chase	WELL DATA:
COUNTY/PARISH STEUBENS	STATE KS	API. NO.
NAME MDH/2	AND	WELL DATA:
ADDRESS	ZIP CODE	BIT SIZE 7 7/8
SPECIAL INSTRUCTIONS		CSG/Liner Size 5 1/2
		TOTAL DEPTH 2774
		WEIGHT 14
		ROT CABLE FOOTAGE 2964
		MUD TYPE GRADE USS50
		BHST BHCT THREAD 880
		MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 2920
		MUD VISC. Disp. Capacity 71.2

ORIGINAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity					
Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	2010 FILL IN	2920			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	6m1230	2964			

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	PSI	CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²)	TOOL	DEPTH
LIFT PRESSURE 1742				
PRESSURE LIMIT 1500	PSI	BUMP PLUG TO 1280	PSI	
ROTATE RPM	RECIPROCATATE	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	TIME	DATE	TIME	DATE	
0001 to 2400											
											25-98 110
0258	1600		X				H2O	8.3			PSI TEST
0259	140		25	X	5.7		"	"			start H2O
0304	270		76	25	5.7		cm	11.5			LD cm.
0317	90		16	101	4		cm	14.8			76 cm.
0321				117							SHUT DOWN WASH TOP
0325	90				5.7		H2O	8.3			DRIP PLUG START DISA
0332	210		42		5.7		"	"			PSI check
0334	340		62		5.7		"	"			" "
0336	530		61		5.7		"	"			LOWER RATE
0340	400		63		2		"	"			PSI check
0341	1280		71.2				"	"			BUMP TO PLUG
0342											BLEEDLINE CHECK FLOUT

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY	
1.	160	2.75	C + 3% 0-79 + 0.2% 0-46 + 1/4 3/4 0-29	76	11.5		
2.							
3.	75	1.37	C + 2.85-17.2% 0-28 + 0.6% 0-60 + 0.2% 0-46 + 1/4 3/4 0-29	16	14.8		
4.							
5.							
6.							

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 1280 MIN. 90
<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. 71.2
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR
			Russell Worley	RE Pearson