

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

ORIGINAL

API NO. 15- 189-220990000
County Stevens
 - - C - NW Sec. 2 Twp. 32S Rge. 38 X W

Operator: License # 5208

1340 Feet from S/N (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 Ponder 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 3157 KB 3167

Phone (316) 626-1142

Total Depth 2870 PBDT 2815

Contractor: Name: Norseman Drilling Inc.

Amount of Surface Pipe Set and Cemented at 700 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 A11-1-3-6-98 U.C.
(Data must be collected from the Reserve Pft)

Operator: _____

Chloride content 15,100 ppm Fluid volume 240 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

10-2-96 10-5-96 11-5-96
Spud Date Date Reached TD Completion Date

Lease Name Hill #3 SWDW License No. 5208

SW Quarter Sec. 3 Twp. 33 S Rng. 37 E/W

County Stevens Docket No. CD-117710

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 1-6-97

Subscribed and sworn to before me this 6th day of January, 19 97.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998

7-2.kcc

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

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appt. Exp. 08-18-98

Operator Name Mobil Oil Corporation Lease Name Ponder Unit Well # 3
 Sec. 2 Twp. 32S Rge. 38 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 High Resolution Dual Induction Focused Log Gamma Ray/Caliper
 Z-Densilog Compensated Neutron Spectralog
 Caliper Log Gamma Ray

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Glorietta	1260	1424
Stone Corral	1698	1765
Chase	2483	2819
Council Grove	2819	--

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#	700	Class C Class C	250 150	50:50 C/poz 50:50 C/poz
Production Casing	7.875	5.500	14#	2860	Class C Class C	175 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	2504-2514 2716-2726	Acid: 1,000 gals 7.5% HCL
	2531-2546	Fract: 30,000 gals 20# Crosslink gel
	2586-2601	94,690 lbs 12/20 Brady Sand
	2663-2773	

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.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-18-96				
Estimated Production Per 24 Hours	Oil Bbls.	Gas 123 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 2504
 Other (Specify) 2726

CEMENTING SERVICE REPORT



Dowell SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-72-81664 DATE 10-2-96
 STAGE DS DISTRICT W. Missour. KS.

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

WELL NAME AND NO. Pondor #3 LOCATION (LEGAL) Sec 2-325-38
 FIELD-POOL Wagon FORMATION St. Louis
 COUNTY/PARISH St. Louis STATE Ks. API. NO.

RIG NAME Nodseman #2
 WELL DATA: BOTTOM TOP
 BIT SIZE 2 7/8 CSG/Liner Size 8 3/4
 TOTAL DEPTH 700 WEIGHT 24
 ROT CABLE FOOTAGE 700
 MUD TYPE USE 95 GRADE 820
 BHST BHCT THREAD 820
 MUD DENSITY 37 LESS FOOTAGE SHOE JOINT(S)
 MUD VISC. 422 Disp. Capacity 422

ORIGINAL

NAME Mobil Oil Corp
 AND
 ADDRESS
 ZIP-CODE

SPECIAL INSTRUCTIONS

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Floor: TYPE Baffle Plate DEPTH 603
 Shoe: TYPE cmf Noce DEPTH 700

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 288 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT PSI BUMP PLUG TO 610 PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers

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

JOB SCHEDULED FOR TIME 2230 DATE 10-2-96 ARRIVE ON LOCATION TIME 2330 DATE 10-2-96 LEFT LOCATION TIME 0500 DATE 10-3-96

TIME	PRESSURE		VOLUME PUMPED bbl.		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
0257	1100							PRE-JOB SAFETY MEETING <u>psi test</u>
0259		0	25		5.7	H2O		start H2O ahead
0304		100	84		5.7	cmf	12.8	start 1PAD cmf
0314		80		57	4	cmf	12.8	psi check
0319		180			5.7	cmf	14.6	start tail cmf
0323		215		20	5.6	cmf	14.6	psi check
0326		0						shut down down top plug
0329		0	47.2		5.2	H2O		start displacement
0331		115		11	5.2	H2O		psi check
0334		210		25	5.2			cmf to surface
0335		741		30	5.2			psi check
0336		770		33	5			1010 PP RATE
0339		240		40	5			psi check
0340		600		42	5			bring top plug
0341								load psi at 2 shut in cmf manifold end job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	250	1.89	<u>50% cement + 6% gal + 3% brack + 5% N44 + 1/4 #1029</u>				84	12.8
2.								
3.	150	1.22	<u>50% cement + 2.5% brack + 1/4 #1029</u>				37.5	14.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE HESITATION SQ. RUNNING SQ. VOLUME CIRCULATION LOST YES NO
 DENSITY PRESSURE MAX. 50 MIN.
 Cement Circulated To Surf. YES NO 176.15 Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 422 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 M.L. Mays DS SUPERVISOR James Equival

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	03-12-8677	DATE	10-5-96
STAGE	1	DS	ULYSSES, KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.	LOCATION (LEGAL)	
Ponder #3	Sec. 2-325-38W	
FIELD-POOL	FORMATION	
Hugoton	Chase	
COUNTY/PARISH	STATE	API. NO.
Stevens	KS	

RIG NAME:	Norsman #2		
WELL DATA:	BOTTOM	TOP	
BIT SIZE	77/8	CSG/Liner Size	5 1/2
TOTAL DEPTH	2870	WEIGHT	14
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	2860	
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8rd	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	TOTAL	
MUD VISC.	Disp. Capacity		

NAME Mobil Exp US Inc.

AND _____

ADDRESS _____

ZIP CODE _____

SPECIAL INSTRUCTIONS _____

NOTE: Include Footage From Ground Level To Head In Disp. Capacity												
<table border="1"> <tr> <td>Float</td> <td>TYPE</td> <td>DEPTH</td> <td>Stage Tool</td> <td>TYPE</td> <td>DEPTH</td> </tr> <tr> <td>SHOE</td> <td>TYPE</td> <td>DEPTH</td> <td></td> <td>TYPE</td> <td>DEPTH</td> </tr> </table>	Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH	SHOE	TYPE	DEPTH		TYPE	DEPTH
Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH							
SHOE	TYPE	DEPTH		TYPE	DEPTH							

ORIGINAL

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 1685 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff

SIZE WEIGHT GRADE THREAD

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: 1100 DATE: 10-5 ARRIVE ON LOCATION TIME: 1100 DATE: 10-5 LEFT LOCATION TIME: 1500 DATE: 10-5

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
1330		2500						PRE-JOB SAFETY MEETING
1333		50	10	0	5.7	H ₂ O	8.32	Test Lines
1335		50	86	10	8.7	Cmt	11.5	Start H ₂ O
1348		50	18	96	5.0	Cmt	14.5	start Lead Cement
1351		0		114				start Tail Cement
1352		0	60		5.8	H ₂ O	8.32	Shutdown wash lines
1403		400	8.7	174	2	H ₂ O	8.32	Drop top plug start displacement
1407		1200		182.7				Slow Rate
1408								Bump Top Plug
								Bleed off float Holding
								Job Complete

REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLs	DENSITY		
1.	175	2.75	Class C + 3% D79, 2% D46, 25 lbs/sk 29	85.7	11.5	
2.	75	1.37	Class C + 2% B28, 2% S1, 6% D60, 2% D46, 25 lbs/sk 29	18.3	14.8	
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. <u>1150</u> MIN: <u>0</u>
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<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. <u>68.7</u>	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
			<u>Mike Morris</u>	<u>David J. Bramley</u>