

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser: _____
Operator Contact Person: Beverly Roppolo
Phone: (713) 431-1701
Contractor: Name: Key Energy
License: N. A.
Wellsite Geologist: N. A.
Designate Type of Completion: REFRAC
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: Mobil Oil Corporation
Well Name: KNIER #2 UNIT, WELL #4
Original Comp. Date: 9-4-97 Original Total Depth: 2989'
~~XXX~~ HYDRAULICALLY FRACTURED
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

4-14-00 7-25-97 4-21-00
~~CP-4~~ Date of START Date Reached TD Completion Date of

OF WORKOVER WORKOVER

API No. 15 - 189-22191-00C
County: Stevens
SE, NWNW Sec. 34 Twp. 34 S. R. 37 East West
1250 feet from S (circle one) Line of Section
1250 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KNIER #2 UNIT Well #: 4
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3123 Kelly Bushing: 3133
Total Depth: 2989 Plug Back Total Depth: 2928
Amount of Surface Pipe Set and Cemented at 704 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set N. A. Feet
If Alternate II completion, cement circulated from N. A.
feet depth to N. A. w/ N. A. sx cmt.

Drilling Fluid Management Plan REWORK JKH 6/23/03
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
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 of 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.

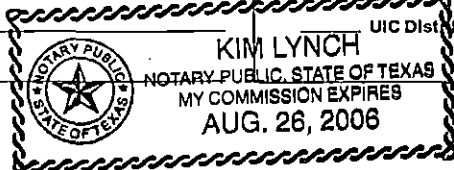
Signature: Beverly Roppolo
Title: Contract Completions Admin. Date: 6/3/03

Subscribed and sworn to before me this 3rd day of June

Notary Public: Kim Lynch

Date Commission Expires: Aug. 26, 2006

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution



✓

Operator Name: Exxon Mobil Oil Corporation * Lease Name: KNIER #2 UNIT Well #: 4
 Sec. 34 Twp. 34 S. R. 37 East West County: Stevens

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>HERRINGTON</td> <td>2656</td> <td>2662</td> </tr> <tr> <td>L. KRIDER</td> <td>2732</td> <td>2742</td> </tr> <tr> <td>WINFIELD</td> <td>2776</td> <td>2786</td> </tr> <tr> <td>TOWANDA</td> <td>2840</td> <td>2850</td> </tr> </tbody> </table>	Name	Top	Datum	HERRINGTON	2656	2662	L. KRIDER	2732	2742	WINFIELD	2776	2786	TOWANDA	2840	2850
Name	Top	Datum														
HERRINGTON	2656	2662														
L. KRIDER	2732	2742														
WINFIELD	2776	2786														
TOWANDA	2840	2850														

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	12.250	8.625	24#	704	CLASS C	400	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2979	CLASS C	320	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	2656' - 2850'	FRAC'D WELL WITH 938,300 scf OF 80Q N2 FOAM @ 80BPM	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8" - 4.7#	@2860'			
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
			<input 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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

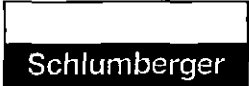
Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 06 2003

CONSERVATION DIVISION
WICHITA, KS

 Schlumberger Dowell	Customer: EXXON-MOBIL
	District:
	Representative: JOHN RICE
	DS Supervisor:
Job Date: 04-18-2000	Well: Knier 2-4

TR PRESS psi	SLUR RATE bbl/min	N2 RATE scf/min	INJ RATE bbl/min	BH INJ RATE bbl/min	TOT SLUR bbl
0	0.0	0	0.0	0.0	0.0
27	0.0	0	0.0	0.0	0.0
-37	8.3	0	8.2	8.3	2.3
64	7.9	0	7.9	7.9	6.4
243	7.7	0	7.7	7.7	10.2
613	7.6	0	7.4	7.6	13.9
12:07:42	Stage at Perfs: PUMP				
810	7.7	13599	39.8	39.8	17.9
975	11.0	13507	41.5	42.8	21.5
1016	12.1	13487	43.7	43.9	22.4
1259	15.9	26210	77.4	77.7	30.0
1694	15.9	27674	80.8	84.5	38.0
1749	16.0	27314	80.6	80.4	46.0
1739	16.1	27338	80.4	80.5	54.0
1744	16.1	27234	80.3	80.3	62.0
1749	16.1	27274	80.6	80.4	70.1
1744	16.1	27326	80.5	80.5	78.1
1744	16.1	27442	80.7	80.8	86.2
1753	16.1	27266	80.4	80.4	94.2
1721	16.1	27274	80.7	80.4	102.2
1726	16.1	27294	80.5	80.5	110.3
1739	16.1	27258	80.3	80.4	118.3
1712	16.1	27338	80.4	80.6	126.4
1721	16.1	27258	80.6	80.4	134.4
1726	16.1	27274	80.7	80.4	142.5
1685	16.1	27386	80.5	80.7	150.5
1685	16.1	27294	80.5	80.5	158.6
1685	16.1	27474	80.9	80.9	166.6
1666	16.1	27478	80.8	80.9	174.7
1680	16.1	27374	80.6	80.6	182.7
1666	16.1	27374	80.9	80.6	190.7
1675	16.1	27426	80.6	80.8	198.8
1657	16.1	27366	80.7	80.6	206.8

Well: Knier 2-4

Job Date: 04-18-2000

TR PRESS psi	SLUR RATE bbl/min	N2 RATE scf/min	INJ RATE bbl/min	BH INJ RATE bbl/min	TOT SLUR bbl
1648	16.1	27278	80.4	80.4	295.3
1611	16.1	26946	79.5	79.6	303.4
1625	16.1	27146	80.0	80.1	311.4
1643	16.1	27074	79.9	80.0	319.5
1634	16.1	27178	80.2	80.2	327.5
1616	16.1	27094	80.0	80.0	335.5
1639	16.1	27114	80.0	80.0	343.6
1625	16.1	27070	79.8	79.9	351.6
1602	16.1	27030	80.1	79.8	359.7
1625	16.1	27062	80.0	79.9	367.7
1616	16.1	27054	79.9	79.9	375.8
1611	16.1	27042	79.8	79.9	383.8
1607	16.1	27074	79.9	80.0	391.9
1607	16.1	27062	80.0	79.9	399.9
1630	16.1	27126	79.9	80.1	408.0
1607	16.1	27094	80.0	80.0	416.0
1611	16.1	27146	80.0	80.1	424.0
1598	16.1	27110	80.0	80.0	432.1
1602	16.1	27166	80.0	80.2	440.1
1607	16.1	27258	80.3	80.4	448.2
1602	16.1	27142	80.1	80.1	456.2
1588	16.1	27202	80.1	80.3	464.3
1630	16.1	27198	80.1	80.3	472.3
1620	16.1	27018	79.8	79.8	480.4
1588	16.1	27014	80.0	79.8	488.4
1616	16.1	27086	79.8	80.0	496.4
1611	16.1	27206	80.3	80.3	504.5
1584	16.1	27290	80.4	80.5	512.5
1579	16.1	27174	80.4	80.2	520.6
1584	16.1	27138	80.0	80.1	528.6
1616	16.1	26994	79.7	79.8	536.7
12:40:37	Started FLUSH Automatically				
1620	16.1	27006	79.8	79.8	544.7
1598	16.0	27014	80.1	79.7	550.1
1538	0.0	27114	63.8	63.9	550.5
12:41:39	Stage at Perfs: FLUSH				
1506	0.0	27158	63.9	64.1	550.5
1515	0.0	27106	63.8	55.4	550.5
1460	0.0	676	1.6	1.6	550.5
1323	0.0	0	0.0	0.0	550.5

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