

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: (281) 654-1943  
Contractor: Name: Key Energy  
License: N. A.

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Wellsite Geologist: N. A.  
Designate Type of Completion: REFRAC  
\_\_\_\_ New Well \_\_\_\_ Re-Entry  Workover  
\_\_\_\_ Oil \_\_\_\_ SWD \_\_\_\_ SIOW \_\_\_\_ Temp. Abd.  
 Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

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If Workover/Re-entry: Old Well Info as follows:  
Operator: Mobil Oil Corporation

Well Name: \_\_\_\_\_  
Original Comp. Date: 12-2-47 Original Total Depth: 2826'  
\_\_\_\_ 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. \_\_\_\_\_

<u>11-15-02</u>	<u>11-29-47</u>	<u>11-26-02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-00567-00-01  
County: Stevens  
W/2 SE NW Sec. 25 Twp. 34 S. R. 36  East  West  
1320' FNL feet from S  (circle one) Line of Section  
1320' FWL feet from E  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  SW  
Lease Name: HAWORTH Well #: 2  
Field Name: Hugoton  
Producing Formation: Chase  
Elevation: Ground: 3051' Kelly Bushing: \_\_\_\_\_  
Total Depth: 2826' Plug Back Total Depth: 2826'  
Amount of Surface Pipe Set and Cemented at 692' 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 OWWO KJR 2/5/08  
(Data must be collected from the Reserve Pit)  
Chloride content N. A. ppm Fluid volume N. A. bbls  
Dewatering method used \_\_\_\_\_

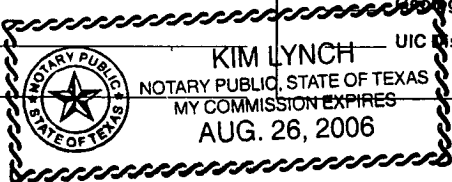
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: 8/4/03  
Subscribed and sworn to before me this 4th day of August, 2003  
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



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Operator Name: Exxon Mobil Oil Corporation \* Lease Name: HAWORTH Well #: 2  
 Sec. 25 Twp. 34 S. R. 36  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;"> <tr> <td style="width:70%; border-bottom: 1px solid black;">Name</td> <td style="width:15%; border-bottom: 1px solid black;">Top</td> <td style="width:15%; border-bottom: 1px solid black;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

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		10 3/4"		692'		400SX	
LINER		5 1/2"		(2643'- 2826')			
PRODUCTION		7"		2656'		900 SX	

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
4 SPF	2656' - 2826'	FRAC'D WELL WITH	
		80Q N2 FOAM @ 80BPM	

TUBING RECORD	Size 89 jts 2.375"	Set At @2794'	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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

<p style="font-size: 1.2em; font-weight: bold; margin: 0;">Schlumberger</p> <p style="margin: 5px 0 0 0;">Job Date: 15 Nov 02</p>	<p>Customer: ExxonMobil Prod.</p> <p>District: PERRYTON</p> <p>Representative: Mr. Richard Lewis</p> <p>DS Supervisor: Reggie Wirawan</p> <p>Well: Haworth #2</p>
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AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	N2 RATE scf/min	TOT SLUR bbl	TOT N2 Mscf
11:19:2002:14:14:22	6949	0.0	0	0.0	0.0
11:19:2002:14:24:40	40	0.0	0	0.0	0.0
11:19:2002:14:25:00	42	0.0	0	0.0	0.0
11:19:2002:14:25:20	44	0.0	0	0.0	0.0
11:19:2002:14:25:22	Started N2 Frac				
11:19:2002:14:25:22	45	0.0	0	0.0	0.0
11:19:2002:14:25:40	100	1.4	0	0.0	0.0
11:19:2002:14:26:00	78	4.7	0	1.4	0.0
11:19:2002:14:26:20	613	7.8	10726	3.6	1.8
11:19:2002:14:26:40	932	8.3	12637	6.2	5.9
11:19:2002:14:27:00	1069	8.1	13127	9.0	10.2
11:19:2002:14:27:20	1167	8.1	13107	11.7	14.6
11:19:2002:14:27:40	1210	8.1	13087	14.4	18.9
11:19:2002:14:28:00	1210	8.2	13087	17.1	23.2
11:19:2002:14:28:20	1230	8.1	12947	19.9	27.5
11:19:2002:14:28:40	1305	8.1	12957	22.6	31.9
11:19:2002:14:28:51	Stage at Perfs: N2 Frac				
11:19:2002:14:28:51	1415	8.1	12947	24.1	34.3
11:19:2002:14:29:00	1505	8.2	12977	25.3	36.2
11:19:2002:14:29:20	1884	9.4	19190	28.4	40.6
11:19:2002:14:29:40	2221	11.9	19060	32.3	47.0
11:19:2002:14:30:00	2389	12.0	19470	36.3	53.4
11:19:2002:14:30:20	2539	12.1	19640	40.3	59.9
11:19:2002:14:30:40	2613	12.0	19430	44.3	66.4
11:19:2002:14:31:00	2682	12.1	19410	48.3	72.9
11:19:2002:14:31:20	3092	15.3	25273	52.5	80.0
11:19:2002:14:31:40	3563	16.0	26454	57.7	88.7
11:19:2002:14:32:00	3669	16.0	26314	63.0	97.5
11:19:2002:14:32:20	3631	15.9	25943	68.4	106.2
11:19:2002:14:32:40	3638	16.0	25983	73.7	114.9
11:19:2002:14:33:00	3675	16.0	26054	79.0	123.6
11:19:2002:14:33:20	3688	15.9	26044	84.3	132.3
11:19:2002:14:33:40	3700	15.9	26254	89.6	141.0
11:19:2002:14:34:00	3734	16.0	26264	95.0	149.6
11:19:2002:14:34:20	3733	16.0	26284	100.3	158.3
11:19:2002:14:34:40	3720	15.9	26044	105.6	167.0
11:19:2002:14:35:00	3781	16.0	26054	110.9	175.7
11:19:2002:14:35:20	3770	16.0	26064	116.2	184.4
11:19:2002:14:35:40	3751	15.9	26064	121.5	193.1
11:19:2002:14:36:00	3756	16.0	26114	126.9	201.8
11:19:2002:14:36:20	3756	16.0	26054	132.2	210.5
11:19:2002:14:36:40	3734	16.0	26054	137.5	219.2
11:19:2002:14:37:00	3720	15.9	26064	142.8	227.9
11:19:2002:14:37:20	3764	15.9	26044	148.1	236.6
11:19:2002:14:37:40	3739	16.0	26044	153.5	245.3
11:19:2002:14:38:00	3728	16.0	26054	158.8	254.0
11:19:2002:14:38:20	3745	16.0	26054	164.1	262.7
11:19:2002:14:38:40	3748	16.0	26074	169.4	271.4
11:19:2002:14:39:00	3722	15.9	26074	174.7	280.1
11:19:2002:14:39:20	3714	15.9	26084	180.1	288.8
11:19:2002:14:39:40	3713	16.0	26084	185.4	297.5
11:19:2002:14:40:00	3700	16.0	26114	190.7	306.2
11:19:2002:14:40:20	3672	16.0	26044	196.0	314.9
11:19:2002:14:40:40	3721	16.0	26324	201.3	323.6
11:19:2002:14:41:00	3710	16.0	26304	206.7	332.3
11:19:2002:14:41:20	3684	16.0	26074	212.0	341.0
11:19:2002:14:41:40	3670	16.0	26054	217.3	349.7

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Well: Haworth #2

Job Date: 15 Nov 02

AcqTime mm:dd:yyyy:hh:mm:ss	TR PRESS psi	SLUR RATE bbl/min	N2 RATE scf/min	TOT SLUR bbl	TOT N2 Mscf
11:19:2002:14:42:20	3692	15.9	26054	227.9	367.1
11:19:2002:14:42:40	3676	16.0	26074	233.3	375.8
11:19:2002:14:43:00	3681	16.0	26064	238.6	384.5
11:19:2002:14:43:20	3666	16.0	26074	243.9	393.2
11:19:2002:14:43:40	3650	16.0	26094	249.2	401.9
11:19:2002:14:44:00	3667	16.0	26074	254.5	410.6
11:19:2002:14:44:20	3673	15.9	26054	259.8	419.3
11:19:2002:14:44:40	3653	15.9	26064	265.2	428.0
11:19:2002:14:45:00	3601	16.0	26054	270.5	436.7
11:19:2002:14:45:20	3572	16.0	26064	275.8	445.4
11:19:2002:14:45:40	3593	16.0	26074	281.1	454.1
11:19:2002:14:46:00	3589	16.0	26074	286.4	462.8
11:19:2002:14:46:20	3605	16.0	26074	291.8	471.5
11:19:2002:14:46:40	3611	16.0	26064	297.1	480.2
11:19:2002:14:47:00	3617	15.9	26054	302.4	488.9
11:19:2002:14:47:20	3603	16.0	26334	307.7	497.6
11:19:2002:14:47:40	3651	16.0	26054	313.0	506.3
11:19:2002:14:48:00	3643	15.9	26074	318.3	515.0
11:19:2002:14:48:20	3612	16.0	26054	323.7	523.7
11:19:2002:14:48:40	3641	16.0	26064	329.0	532.4
11:19:2002:14:49:00	3637	16.0	26064	334.3	541.1
11:19:2002:14:49:20	3626	16.0	26064	339.6	549.8
11:19:2002:14:49:40	3625	15.9	26084	344.9	558.5
11:19:2002:14:50:00	3645	15.9	26074	350.2	567.2
11:19:2002:14:50:20	3661	16.0	26074	355.5	576.0
11:19:2002:14:50:40	3615	16.0	26094	360.9	584.7
11:19:2002:14:51:00	3637	15.9	26084	366.2	593.4
11:19:2002:14:51:20	3672	16.0	26104	371.5	602.1
11:19:2002:14:51:40	3627	15.9	26074	376.8	610.8
11:19:2002:14:52:00	3640	16.0	26064	382.1	619.5
11:19:2002:14:52:20	3643	15.8	26044	387.4	628.2
11:19:2002:14:52:40	3625	15.9	26054	392.7	636.9
11:19:2002:14:53:00	3606	16.0	26064	398.0	645.6
11:19:2002:14:53:20	3644	16.0	26074	403.3	654.3
11:19:2002:14:53:40	3663	15.9	26044	408.6	663.0
11:19:2002:14:54:00	3641	15.8	26064	413.9	671.7
11:19:2002:14:54:20	3636	15.9	26054	419.2	680.4
11:19:2002:14:54:40	3624	15.9	26094	424.5	689.1
11:19:2002:14:55:00	3585	15.9	26094	429.8	697.8
11:19:2002:14:55:20	3576	15.9	26094	435.1	706.5
11:19:2002:14:55:40	3625	15.8	26054	440.4	715.2
11:19:2002:14:56:00	3623	15.9	26054	445.6	723.9
11:19:2002:14:56:20	3626	15.8	26054	450.9	732.6
11:19:2002:14:56:40	3642	15.9	26054	456.2	741.3
11:19:2002:14:57:00	3676	15.8	26044	461.5	750.0
11:19:2002:14:57:20	3628	15.9	26054	466.8	758.7
11:19:2002:14:57:40	3626	15.8	26054	472.1	767.4
11:19:2002:14:57:56	Started Flush Automatically				
11:19:2002:14:57:56	3623	16.0	26054	476.3	774.3
11:19:2002:14:58:00	3248	0.1	26064	476.8	776.1
11:19:2002:14:58:20	2709	0.0	26174	476.8	784.8
11:19:2002:14:58:40	2599	0.0	26194	476.8	793.6
11:19:2002:14:59:00	2471	0.0	26204	476.8	802.3
11:19:2002:14:59:20	2399	0.0	26474	476.8	811.1
11:19:2002:14:59:40	1828	0.0	11256	476.8	818.0
11:19:2002:14:59:41	Stage at Perfs: Flush				
11:19:2002:14:59:41	1764	0.0	7594	476.8	818.1
11:19:2002:15:00:00	1293	0.0	0	476.8	818.1

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