

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser: Duke Energy Trading & Marketing
Operator Contact Person: Kitty Birt
Phone: (713) 431-1898
Contractor: Name: DOWELL SCHLUMBERGER
License: N. A.
Wellsite Geologist: N. A.

Designate Type of Completion:
 New Well Re-Entry Workover (refrac.)
 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: Springer Unit #2, well #4
Original Comp. Date: 10/26/1995 Original Total Depth: 2968
XXX HYDRAULICALLY FRACTURED
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2924 Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

02/23/2001 09/30/1995 02/26/2001
~~SD~~ Date of **START** Date Reached TD Completion Date of
OF WORKOVER **WORKOVER**

API No. 15 - 189-21990-0001
County: Stevens
NE SW SW Sec. 12 Twp. 34 S. R. 37 East West
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:
(circle one) NE SE NW (SW)
Lease Name: Springer #2 Unit Well #: 4
Field Name: Hugoton

Producing Formation: Chase
Elevation: Ground: 3117 Kelly Bushing: 3126
Total Depth: 2968 Plug Back Total Depth: 2924
Amount of Surface Pipe Set and Cemented at 701 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 GR 4/26/02
(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: _____ **RECEIVED**
KANSAS CORPORATION COMMISSION
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ East West
County: _____ Docket No.: _____ **APR 08 2002**

CONSERVATION DIVISION
WICHITA, KS

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.

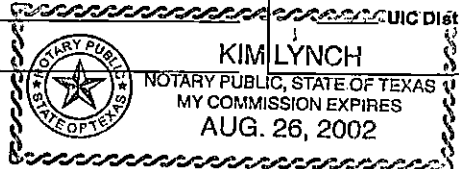
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Kitty Birt
Title: Completions Admin Date: 4-2-02
Subscribed and sworn to before me this 2nd day of April, 2002
Notary Public: Kim Lynch
Date Commission Expires: Aug 26, 2002

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution
KCC



X

Operator Name: Exxon Mobil Oil Corporation * Lease Name: Springer #2 Unit Well #: 4

Sec. 12 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;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Glorietta</td> <td>1235</td> <td>1410</td> </tr> <tr> <td>Stone Corral</td> <td>1710</td> <td>1780</td> </tr> <tr> <td>Chase</td> <td>2675</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </table>	Name	Top	Datum	Glorietta	1235	1410	Stone Corral	1710	1780	Chase	2675	--	Council Grove	--	--
Name	Top	Datum														
Glorietta	1235	1410														
Stone Corral	1710	1780														
Chase	2675	--														
Council Grove	--	--														

CASING RECORD <input 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	12-1/4	8-5/8	24	701	CL-C	410	50:50 C/POZ.
Production Casing	7-7/8	5-1/2	14	2958	CL-C	280 150	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.	2700-08	Frac. w/ 80Q N2 Foam, @ plus/minus 80 BPM	
	2744-64		
	2795-2815		
	2855-70		

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 Enhr. (See G-2)	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)
	Production Interval <u>2700</u> <u>2870</u>

Customer MOBIL OIL CORP	Job Number 20204131
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Well Springer 2-4		Location (legal) SEC 12-34S-37W		Dowell Location Ulysses, KS		Job Start 2/26/01			
Field Hugoton		Formation Name/Type Chase		Deviation 0 °	BHSize: 0 in	Well MD 2,968 ft	Well TVD 2,968 ft		
County Stevens		State/Province Kansas		BHP 0 psi	BHST 95 °F	BHCT 85 °F	Poro Pres Gradient 0 psi/ft		
Rig Name Key Energy	Drilled For Oil & Gas	Service Via Land		Casing					
Offshore Zone	Well Class Old	Well Type Other		Depth, ft 2958	Size, in 5.5	Weight, lb/ft 14	Grade 		
Primary Treating Fluid 80Q Foam	Polymer Loading 30 lb/1000gal	Fluid Density lb/gal		Tubing					
Service Line Fracturing	Job Type Frac,N2Foam/Energized		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade 	Thread 		
Max. Allowed Tubing Pressure 2500 psi	Max. Allowed Ann. Pressure 0 psi	Wellhead Connection 5 1/2 X 4 Swage		Perforated Intervals					
Service Instructions Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions.				Top, ft 2700	Bottom, ft 2708	spf 1	No. of Shots 8	Total Interval 103 ft	
				2744	2764	1	20	Diameter	
				2795	2870	0.4666667	35	0.4 in	
				Treat Down Casing	Displacement 0 bbl	Packer Type None	Packer Depth 0 ft		
Job Scheduled For: 2/26/01 12:00		Arrived on Location: 2/26/01 12:00		Leave Location: 2/26/01 17:30		Tubing Vol. 0 bbl	Casing Vol. 0 bbl	Annular Vol. 0 bbl	Open Hole Vol. 0 bbl
Time	BH Inj Rate	Foam Quality	Nitrogen Rate	Pressure 1	Total Flowrate	Total N2	Total Volume	Message	
24 hr clock	bpm	%	ft/min	psi	bpm	ft	bbl		
15:51	0	0	0	0	0	0	0	START ACQUISITION	
15:51	3.49	100.	1480	59.52	0.	24.67	0.		
15:52	3.3	100.	1400	2917	0.	733.3	0.103		
15:52	3.21	100.	1360	2669	0.	1463	0.103		
15:53	3.35	100.	1420	2610	0.	2168	0.103		
15:53	3.11	100.	1320	2596	0.	2844	0.103		
15:54	3.4	100.	1440	2601	0.	3532	0.103		
15:54	3.58	100.	1520	2610	0.	4271	0.103		
15:55	3.25	100.	1380	2619	0.	4972	0.103		
15:55	3.25	100.	1380	2601	0.	5679	0.103		
15:56	3.21	100.	1360	2578	0.	6359	0.103		
15:56	3.07	100.	1300	2564	0.	7073	0.103		
15:57	3.3	100.	1400	2550	0.	7794	0.103		
15:57	3.68	100.	1560	2537	0.	8547	0.103		
15:58	3.54	100.	1500	2527	0.	9301	0.103		
15:58	3.44	100.	1460	2527	0.	10038	0.103		
15:59	3.44	100.	1460	2610	0.	10782	0.103		
16:00	3.73	100.	1580	2665	0.	11535	0.103		
16:00	3.44	100.	1460	2692	0.	12282	0.103		
16:01	4.01	100.	1700	2660	0.	13081	0.103		
16:01	3.77	100.	1600	2624	0.	13892	0.103		
16:02	3.58	100.	1520	114.5	0.	14692	0.103		
16:02	3.49	100.	1480	119.	0.	15456	0.103		
16:03	3.35	100.	1420	119.	0.	16211	0.103		
16:03	3.44	100.	1460	123.6	0.	16910	0.103		
16:04	3.25	100.	1380	123.6	0.	17611	0.103		
16:04	3.49	100.	1480	123.6	0.	18338	0.103		
16:05	3.49	100.	1480	123.6	0.	19042	0.103		
16:05	2.97	100.	1260	123.6	0.	19716	0.103		

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KANSAS CORPORATION COMMISSION

APR 08 2002

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Well		Field				Service Date		Customer		Job Number	
Springer #2-4		Hugoton						MOBIL OIL CORP		20204131	
Time	BH Inj Rate	Foam Quality	Nitrogen Rate	Pressure1	Total Flowrate	Total N2	Total Volume			Message	
24 hr clock	bpm	%	ft3/min	psi	bpm	ft3	bbf				
16:06	3.07	100.	1300	123.6	0.	20359	0.103	0			
16:06	3.77	100.	1600	123.6	0.	21030	0.103	0			
16:07	3.3	100.	1400	123.6	0.	21747	0.103	0			
16:07	3.58	100.	1520	32.05	0.	22466	0.103	0			
16:08	24.22	84.35	8660	59.52	3.79	23642	1.24	0			
16:08	35.6	78.05	11780	215.2	7.82	29691	4.58	0			
16:09	39.8	80.36	13560	315.9	7.82	36072	8.5	0			
16:09	40.32	80.5	13760	380.	7.86	42883	12.42	0			
16:10	126.2	94.44	50520	457.9	7.02	54616	16.23	0			
16:10	82.23	80.65	28120	961.5	15.91	68099	22.81	0			
16:11	82.85	80.79	28380	1305	15.91	82381	30.83	0			
16:11	82.85	80.74	28360	1538	15.96	96636	38.84	0			
16:12	82.85	80.74	28360	1676	15.96	110889	46.86	0			
16:12	82.94	80.7	28380	1754	16.01	125142	54.88	0			
16:13	83.03	80.78	28440	1822	15.96	139399	62.9	0			
16:13	82.94	80.76	28400	1937	15.96	153671	70.92	0			
16:14	82.99	80.77	28420	2005	15.96	167946	78.94	0			
16:14	83.13	80.8	28480	2060	15.96	182282	86.99	0			
16:15	83.22	80.77	28500	2024	16.01	196611	95.03	0			
16:15	83.22	80.77	28500	1983	16.01	210920	103.1	0			
16:16	83.22	80.82	28520	1914	15.96	225237	111.1	0			
16:16	83.36	80.8	28560	1854	16.01	239568	119.1	0			
16:17	83.55	80.84	28640	1836	16.01	253927	127.2	0			
16:17	83.18	80.76	28480	1781	16.01	268303	135.2	0			
16:18	83.13	80.8	28480	1781	15.96	282610	143.2	0			
16:18	83.18	80.76	28480	1777	16.01	296967	151.3	0			
16:19	83.22	80.77	28500	1758	16.01	311259	159.3	0			
16:19	83.27	80.78	28520	1745	16.01	325543	167.3	0			
16:20	82.89	80.75	28380	1754	15.96	339787	175.3	0			
16:20	82.8	80.67	28320	1722	16.01	353991	183.4	0			
16:21	82.75	80.71	28320	1726	15.96	368194	191.4	0			
16:21	82.94	80.7	28380	1722	16.01	382404	199.4	0			
16:22	82.99	80.71	28400	1731	16.01	396637	207.4	0			
16:22	82.99	80.71	28400	1722	16.01	410868	215.4	0			
16:23	82.94	80.76	28400	1726	15.96	425111	223.4	0			
16:23	82.99	80.77	28420	1708	15.96	439352	231.4	0			
16:24	82.94	80.76	28400	1708	15.96	453586	239.5	0			
16:24	82.99	80.77	28420	1708	15.96	467821	247.5	0			
16:25	82.89	80.69	28360	1712	16.01	482053	255.5	0			
16:25	82.85	80.74	28360	1699	15.96	496360	263.5	0			
16:26	83.03	80.72	28420	1717	16.01	510627	271.6	0			
16:26	82.99	80.77	28420	1694	15.96	524899	279.6	0			
16:27	82.94	80.76	28400	1699	15.96	539153	287.6	0			
16:27	82.99	80.77	28420	1690	15.96	553398	295.6	0			
16:28	82.99	80.71	28400	1703	16.01	567670	303.7	0		RECEIVED	
16:28	82.94	80.7	28380	1676	16.01	581912	311.7	0		KANSAS CORPORATION COMMISSION	
16:29	82.89	80.75	28380	1685	15.96	596145	319.7	0		APR 08 2002	
16:29	82.99	80.71	28400	1676	16.01	610382	327.7	0			
16:30	82.99	80.77	28420	1694	15.96	624615	335.7	0			
16:30	82.94	80.76	28400	1671	15.96	638847	343.7	0		CONSERVATION DIVISION	
16:31	82.99	80.71	28400	1699	16.01	653143	351.8	0		WICHITA, KS	
16:31	82.94	80.7	28380	1690	16.01	667408	359.8	0			
16:32	82.94	80.76	28400	1694	15.96	681673	367.8	0			
16:32	82.99	80.71	28400	1676	16.01	695936	375.9	0			

ORIGINAL

Well			Field			Service Date		Customer		Job Number
Springer #2-4			Hugoton					MOBIL OIL CORP		20204131
Time	BH Inj Rate	Foam Quality	Nitrogen Rate	Pressure	Total Flowrate	Total N2	Total Volume	Message		
24 hr clock	bpm	%	ft ³ /min	psi	bpm	ft ³	bbbl			
16:33	82.94	80.7	28380	1667	16.01	710197	383.9	0		
16:33	82.89	80.69	28360	1671	16.01	724458	391.9	0		
16:34	82.8	80.73	28340	1667	15.96	738702	399.9	0		
16:34	82.85	80.68	28340	1685	16.01	752945	408.	0		
16:35	82.85	80.74	28360	1658	15.96	767240	416.	0		
16:35	82.8	80.73	28340	1671	15.96	781482	424.1	0		
16:36	82.8	80.73	28340	1635	15.96	795724	432.1	0		
16:36	83.03	80.72	28420	1648	16.01	809978	440.1	0		
16:37	82.94	80.76	28400	1635	15.96	824239	448.1	0		
16:37	82.99	80.77	28420	1658	15.96	838501	456.2	0		
16:38	83.13	80.75	28460	1635	16.01	852756	464.2	0		
16:38	83.08	80.79	28460	1658	15.96	867022	472.2	0		
16:39	83.13	80.75	28460	1635	16.01	881289	480.2	0		
16:39	83.18	80.76	28480	1625	16.01	895604	488.3	0		
16:40	83.13	80.8	28480	1630	15.96	909926	496.3	0		
16:40	83.03	80.72	28420	1630	16.01	924213	504.3	0		
16:41	83.03	80.78	28440	1616	15.96	938496	512.4	0		
16:41	83.08	80.73	28440	1630	16.01	952792	520.4	0		
16:42	83.13	80.75	28460	1625	16.01	967151	528.5	0		
16:42	83.18	80.76	28480	1625	16.01	981447	536.5	0		
16:43	83.03	80.78	28440	1648	15.96	995793	544.5	0		
16:43	67.03	100.	28420	1534	0.	1010082	550.3	0		
16:44	66.98	100.	28400	1479	0.	1024355	550.3	0		
16:44	66.98	100.	28400	1488	0.	1038620	550.3	0		
16:45	195.5	100.	82880	1296	0.	1093328	550.3	0		
16:45	2.5	100.	1060	1264	0.	1093823	550.3	0		

Post Job Summary

Average Injection Rates, bpm					Volume of Fluid Injected, bbl				
Fluid	N2	CO2	Maximum Rate		Clean Fluid	Acid	OH	CO2	N2 (scf)
16	27300	0	16		550	0	0	0	965000
Treating Pressure Summary, psi					Quantity of & placed, lb				
Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP	Total Injected	Total Ordered/Designed		
0	1810	1488	1550	1323	0	0	0		
N2 Percent	CO2 Percent	Designed Fluid Volume		Displacement	Slurry Volume	Pad Volume	Percent Pad		
80%	0%	100000 gal		67 bbl	550 bbl	0 gal	0 %		
Customer or Authorized Representative			Dowell Supervisor		Number of Stages	Fracture Gradient	<input checked="" type="checkbox"/> Job Completed		
Richard Lewis			Dave Brawley		1	0 psi/ft	<input type="checkbox"/> Screen Out		

RECEIVED
KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS