

RECEIVED

OCT 08 2001

KCC WICHITA

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: Duke Energy Trading & Marketing  
 Operator Contact Person: Evelyn Boute'  
 Phone: (713) 431-1446  
 Contractor: Name: DOWELL  
 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: Barbee #1 Ut., Well #2  
 Original Comp. Date: 2-17-81 Original Total Depth: 6,700  
 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. \_\_\_\_\_  
**XXX FRACTURE STIMULATE**  
 5/3/01 N. A. 5/9/01  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

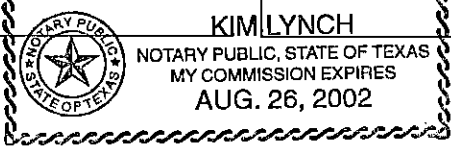
API No. 15 - 189-20512-0002  
 County: Stevens  
SWSE Sec. 18 Twp. 33 S. R. 36  East  West  
660 feet from (S) N (circle one) Line of Section  
1,980 feet from (E) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: Barbee #1 Ut. Well #: 2  
 Field Name: Hugoton  
 Producing Formation: Chase  
 Elevation: Ground: 3,072 Kelly Bushing: 3,083  
 Total Depth: 6,700 Plug Back Total Depth: 3,193  
 Amount of Surface Pipe Set and Cemented at 1,755 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 gH 10/25/01  
 (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: Evelyn Boute'  
 Title: Staff Admin. Asst. Date: 10/5/01  
 Subscribed and sworn to before me this 5th day of October,  
2001  
 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  
 KCC



Operator Name: Exxon Mobil Oil Corporation \* Lease Name: Barbee #1 Ut. Well #: 2  
 Sec. 18 Twp. 33 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 Name Top Datum  No Change
--	--

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	N. A.	8 5/8	24	1,755	N. A.	850	N. A.
Production	N. A.	5 1/2	15.5	6,199	N. A.	1,100	N. A.

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 <i>(Amount and Kind of Material Used)</i>	Depth
1 spf	2,652 - 2,810	Frac w/ 80Q N2 foam @ plus.minus 80 BPM	

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 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)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(if vented, Sumit 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 <u>2,652 - 2,810</u> <input type="checkbox"/> Other (Specify) _____	Production Interval
---	--	---------------------

ORIGINAL

Customer	Job Number
MOBIL OIL CORP	20216259

Well		Location (legal)		Dowell Location		Job Start	
BARBEE 1-2		sec 18-33S-36W		Ulysses, KS		5/7/01	
Field		Formation Name/Type		Deviation	Bit Size:	Well MD	Well TVD
HUGOTON		Chase		0 °	0 in	3,193 ft	3,193 ft
County		State/Province		BHP	BHST	BHCT	Poro Pres Gradient
Stevens		KS		0 psi	95 °F	85 °F	0 psi/ft
Rig Name		Drilled For		Service Via		Casing	
		Gas		Land			
Offshore Zone		Well Class		Well Type		Depth, ft	Size, in
		Old		Development		3193	5.5
Primary Treating Fluid		Polymer Loading		Fluid Density		Weight, lb/ft	Grade
80Q Foam		30 lb/1000gal		lb/gal		15.5	
Service Line		Job Type		Depth,	Size, in	Weight, lb/ft	Grade
Fracturing		Frac,N2Foam/Energized		0	0	0	
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		WellHead Connection		Perforated Intervals	
2500 psi		0 psi		5 1/2			
Service Instructions		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
Pumper POD		2652	2702	0.8	40	85 ft	
4 N2		2735	2755	1.35	27	Diameter	
PCM		2795	2810	1.06	15.9	in	
Boom		Treat Down		Displacement		Packer Type	
N2 Transport		Casing		0 bbl		None	
Job Scheduled For:		Arrived on Location:		Leave Location:		Tubing Vol.	
5/7/01 12:00		5/7/01 11:00		5/7/01 14:30		0 bbl	
						CasingVol.	
						0 bbl	
						AnnularVol.	
						0 bbl	
						OpenHoleVol	
						0 bbl	

Time	BH Foam Q	BH Inj Rate	Pressure	Stage Inj	Total Flowrate	Total N2 Rate	Total Volume	Message
24 hr clock	%	bpm	psi	bbl	bpm	m3/min	bbl	
12:26	0	0	0	0	0	0	0	START ACQUISITION
12:26	0.	0.	39.68	0.	0.	0.	0.	
12:26	0.	0.	39.68	0.	0.	0.	0.	Pressure Test Lines
12:27	100.	1.75	3400	1.76	0.	740.	0.129	
12:28	100.	10.52	3391	8.56	0.	4460	0.129	
12:29	100.	5.99	3397	14.81	0.	2540	0.129	
12:30	100.	5.8	3400	20.73	0.	2460	0.129	
12:31	100.	5.24	140.4	26.32	0.	2220	0.129	
12:31	100.	5.24	140.4	26.32	0.	2220	0.129	Start Job
12:32	54.9	15.98	30.53	35.24	7.21	3720	2.14	
12:33	80.75	40.83	354.1	72.74	7.86	13980	10.02	
12:34	80.5	40.32	714.3	113.4	7.86	13760	17.91	
12:35	76.96	69.87	1297	163.6	16.1	22800	28.09	
12:36	80.	80.72	2005	242.6	16.15	27380	44.2	
12:37	80.13	81.48	2067	349.4	16.19	27680	60.5	RECEIVED
12:38	80.02	81.05	1947	430.7	16.19	27500	76.76	
12:39	80.	81.19	1832	512.3	16.24	27540	93.02	OCT 08 2001
12:40	80.02	80.58	1795	593.5	16.1	27340	109.3	
12:41	80.02	80.58	1761	674.6	16.1	27340	125.6	KCC WICHITA
12:42	80.03	80.86	1740	755.9	16.15	27440	141.8	
12:43	80.06	80.96	1712	837.	16.15	27480	158.	
12:44	80.09	80.63	1703	918.2	16.05	27380	174.1	
12:45	80.1	80.44	1679	999.5	16.01	27320	190.4	
12:46	80.11	80.96	1691	1081	16.1	27500	206.6	
12:47	80.	80.72	1673	1162	16.15	27380	222.8	
12:48	79.22	81.52	1661	1243	16.94	27380	239.	
12:49	79.97	80.39	1664	1324	16.1	27260	255.2	
12:50	80.07	81.	1645	1405	16.15	27500	271.4	
12:51	80.01	80.77	1648	1486	16.15	27400	287.6	

Well		Field				Service Date		Customer		Job Number	
BARBEE #1-2		HUGOTON						MOBIL OIL CORP		20216259	
Time	BH Foam Q	BH Inj Rate	Pressure	Stage Inj	Total Flowrate	Total N2 Rate	Total Volume	Message			
24 hr clock	%	bpm	psi	bbf	bpm	ft3/min	bbf				
12:52	80.24	81.01	1651	1568	16.01	27560	303.9	0			
12:53	80.	80.72	1633	1649	16.15	27380	320.	0			
12:54	80.	80.49	1633	1730	16.1	27300	336.2	0			
12:55	80.13	80.53	1618	1811	16.01	27360	352.4	0			
12:56	80.11	81.19	1603	1892	16.15	27580	368.7	0			
12:57	80.01	80.77	1609	1974	16.15	27400	384.9	0			
12:58	80.08	80.35	1587	2055	16.01	27280	401.	0			
12:59	79.99	80.67	1593	2136	16.15	27360	417.2	0			
13:00	80.07	80.77	1587	2217	16.1	27420	433.5	0			
13:01	79.95	80.53	1572	2298	16.15	27300	449.7	0			
13:02	80.13	81.24	1563	2379	16.15	27600	465.9	0			
13:03	80.03	80.86	1532	2461	16.15	27440	482.1	0			
13:04	81.91	78.14	1426	2542	14.13	27140	498.1	0			
13:05	79.99	70.41	1361	2621	14.09	23880	512.3	0			
13:06	84.42	90.41	1419	2711	14.09	32360	526.4	0			
13:07	84.38	90.17	1426	2802	14.09	32260	540.5	0			
13:08	100.	75.28	1325	2888	0.	31920	550.2	0			
13:09	100.	76.42	1371	2964	0.	32400	550.2	0			
13:10	0.	0.	1218	2982	0.	0.	550.2	0			
13:11	0.	0.	1187	2982	0.	0.	550.2	0			

Post Job Summary											
Average Injection Rates, bpm					Volume of Fluid Injected, bbl						
Fluid	N2	CO2	Maximum Rate		Clean Fluid	Acid	Oil	CO2	N2 (scf)		
	14	25000	0	16	550	0	0	0	950000		
Treating Pressure Summary, psi					Quantity of & placed, lb						
Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP	Total Injected		Total Ordered/Designed			
0	2100	1378	1600	1250	0	0		0			
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume	Percent Pad
80%		0%		100000 gal		64 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			Jeffrey Dutton			1		0 psi/ft		<input type="checkbox"/> Screen Out	

RECEIVED

OCT 08 2001

KCC WICHITA