

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

SEP 28 2001

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Operator: License # 5208
 Name: Exxon Mobil Oil Corporation *
 Address: P. O. Box 4358,
Houston, TX 77210-4358
 Purchaser: Duke Energy Trading & Marketing
 Operator Contact Person: Evelyn Boutte
 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: Carpenter, E #1 Ut., Well #4
 Original Comp. Date: 10/03/97 Original Total Depth: 2,940
 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. _____
 FRACTURE STIMULATED
 04/19/01 Date Reached TD 04/25/01 Completion Date or
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

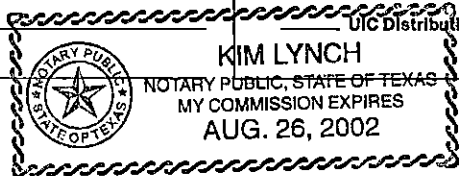
API No. 15 - 189-22208 - 0001
 County: Stevens
NE SW SE Sec. 30 Twp. 33 S. R. 36 East West
1,250 feet from S N (circle one) Line of Section
1,510 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Carpenter, E #1 Ut. Well #: 4
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 3,067 Kelly Bushing: 3076
 Total Depth: 2,940 Plug Back Total Depth: 2,882
 Amount of Surface Pipe Set and Cemented at: 639 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 g# 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 Boutte
 Title: Staff Admin. Asst. Date: 09/27/01
 Subscribed and sworn to before me this 27th day of September,
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
 UIC Distribution
KCC



Operator Name: Exxon Mobil Oil Corporation * Lease Name: Carpenter, E #1 Ut. Well #: 4
 Sec. 30 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 (Attach Additional Sheets) 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 (Submit Copy) List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Herrington 2,624 L. Krider 2,698 Winfield 2,749 Towanda 2,800
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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	12.250	8 5/8	24	639	CI C	375	50:50 C/POZ
Production	7.875	5 1/2	14	2,930	CI 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	2,624 - 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	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	2,624 - 2,810 02/01/11

SEP 28 2001 ORIGINAL



Stimulation Service Report

Customer		CONSERVATION DIVISION		Job Number					
MOBIL OIL CORP		WICHITA, KS		20213613					
Well: CARPENTER E1-4		Location (legal): sec 30-33-36		Dowell Location: Ulysses, KS					
Field: Hugoton		Formation Name/Type: Chase		Job Start: 4/23/01					
County: Stevens		State/Province: Kansas		Well MD: 2,940 ft					
Rig Name:		Service Via: Land		Well TVD: 2,940 ft					
Drilled For: Gas		BHP: 0 psi		BHST: 95 °F					
Offshore Zone:		Well Class: Old		BHCT: 85 °F					
Well Type: Workover		BHPST: 0 psi		Pore Pres Gradient: 0 psi/ft					
Primary Treating Fluid: 80Q Foam		Polymer Loading: 30 lb/1000gal		Fluid Density: lb/gal					
Service Line: Fracturing		Job Type: Frac,N2Foam/Energized		Casing					
Max. Allowed Tubing Pressure: 2500 psi		Max. Allowed Ann. Pressure: 0 psi		WellHead Connection: 5 1/2					
Service Instructions: Pumper POD 4 N2 PCM Boom N2 Transport		Perforated Intervals		Tubing					
		Top, ft: 2624		Depth, ft: 0					
		Bottom, ft: 2630		Size, in: 0					
		spf: 2		Weight, lb/ft: 0					
		No. of Shots: 12		Grade: 0					
		Total Interval: ft		Thread: 0					
		Diameter: 0.32 in		Treat Down: Casing					
		Packer Depth: 0 ft		Displacement: 61 bbl					
		Packer Type: None		AnnularVol.: 0 bbl					
Job Scheduled For: 2/23/01 12:00		Arrived on Location: 4/23/01 10:30		Leave Location: 4/23/01 15:30					
Tubing Vol.: 0 bbl		CasingVol.: 61 bbl		OpenHoleVol.: 0 bbl					
Time	2NPT09385	2NPT12252	Back up Psi	Total Flowrate	Total N2 Rate	Total Volume	Message		
24 hr clock	scfm	scfm	psi	bpm	ft3/min	bbbl			
13:32	0	0	0	0	0	0	START ACQUISITION		
13:32	0.	0.	-3750	0.	0.	0.			
13:33	0.	0.	64.1	0.	0.	0.			
13:33	0.	0.	59.52	0.	0.	0.			
13:34	0.	0.	2647	0.	0.	0.107			
13:34	0.	0.	2532	0.	0.	0.107			
13:35	5100	0.	2468	0.	5100	0.107			
13:35	0.	0.	2518	0.	0.	0.107			
13:36	0.	0.	2582	0.	0.	0.107			
13:36	0.	0.	2633	0.	0.	0.107			
13:36	0.	0.	2633	0.	0.	0.107	Pressure Test Lines		
13:37	0.	0.	2582	0.	0.	0.107			
13:37	0.	0.	105.3	0.328	0.	0.146			
13:38	0.	0.	128.2	0.	0.	0.152			
13:38	0.	0.	146.5	0.	0.	0.152			
13:39	0.	0.	164.8	0.	0.	0.152			
13:39	0.	0.	45.79	1.73	0.	0.486			
13:40	6240	0.	132.8	7.82	6240	3.05			
13:40	6820	6820	338.8	7.82	13640	6.97			
13:41	6820	6820	576.9	7.82	13640	10.89			
13:41	6840	6780	874.5	7.82	13620	14.81			
13:42	6800	6800	979.9	7.72	13600	18.73			
13:42	5960	13660	1346	15.82	19620	24.52			
13:43	14760	14240	1795	16.1	29000	32.58			
13:43	14160	14240	1877	16.15	28400	40.67			
13:44	14160	14260	1868	16.1	28420	48.77			
13:44	14240	14320	1854	16.15	28560	56.87			
13:45	14280	14340	1841	16.15	28620	64.98			
13:45	14180	14360	1832	16.1	28540	73.08			

ORIGINAL

Well		Field				Service Date		Customer		Job Number
CARPENTER #E1-4		Hugoton						MOBIL OIL CORP		20213613
Time	2NPT09385	2NPT12252	Back up Psi	Total Flowrate	Total N2 Rate	Total Volume			Message	
24 hr clock	scfm	scfm	psi	bpm	ft3/min	bbt				
13:46	14140	14300	1832	16.15	28440	81.18	0	0		
13:46	14300	14300	1832	16.1	28600	89.3	0	0	RECEIVED KANSAS CORPORATION COMMISSION	
13:47	14280	14340	1809	16.15	28620	97.4	0	0		
13:47	14280	14360	1818	16.1	28640	105.5	0	0		
13:48	14260	14380	1818	16.1	28640	113.6	0	0	SEP 28 2001	
13:48	14240	14400	1827	16.15	28640	121.7	0	0		
13:49	14240	14280	1813	16.15	28520	129.8	0	0		
13:49	14240	14260	1804	16.15	28500	137.9	0	0	CONSERVATION DIVISION WICHITA, KS	
13:50	14260	14300	1827	16.15	28560	146.	0	0		
13:50	14240	14240	1822	16.15	28480	154.1	0	0		
13:51	14240	14160	1813	16.15	28400	162.2	0	0		
13:51	14300	14200	1813	16.15	28500	170.3	0	0		
13:52	14180	14200	1813	16.1	28380	178.4	0	0		
13:52	14300	14220	1822	16.15	28520	186.5	0	0		
13:53	14160	14200	1813	16.15	28360	194.6	0	0		
13:53	14240	14220	1822	16.1	28460	202.7	0	0		
13:54	14200	14220	1818	16.15	28420	210.9	0	0		
13:54	14240	14220	1827	16.1	28460	219.	0	0		
13:55	14180	14220	1822	16.1	28400	227.1	0	0		
13:55	14160	14200	1822	16.15	28360	235.2	0	0		
13:56	14240	14220	1809	16.1	28460	243.3	0	0		
13:56	14160	14220	1809	16.1	28380	251.4	0	0		
13:57	14220	14260	1818	16.15	28480	259.5	0	0		
13:57	14160	14200	1822	16.15	28360	267.6	0	0		
13:58	14200	14240	1813	16.1	28440	275.7	0	0		
13:58	14180	14240	1809	16.15	28420	283.8	0	0		
13:59	14180	14300	1809	16.1	28480	291.9	0	0		
13:59	14160	14280	1809	16.1	28440	300.	0	0		
14:00	14180	14280	1841	16.15	28460	308.1	0	0		
14:00	14200	14320	1832	16.15	28520	316.2	0	0		
14:01	14200	14300	1845	16.15	28500	324.3	0	0		
14:01	14200	14320	1827	16.1	28520	332.4	0	0		
14:02	14200	14360	1832	16.15	28560	340.5	0	0		
14:02	14200	14220	1832	16.15	28420	348.6	0	0		
14:03	14200	14220	1845	16.15	28420	356.7	0	0		
14:03	14200	14300	1850	16.15	28500	364.8	0	0		
14:04	14200	14300	1850	16.1	28500	372.9	0	0		
14:04	14180	14340	1832	16.1	28520	381.	0	0		
14:05	14180	14360	1832	16.15	28540	389.1	0	0		
14:05	14200	14360	1836	16.1	28560	397.3	0	0		
14:06	14200	14360	1841	16.1	28560	405.4	0	0		
14:06	14200	14360	1845	16.15	28560	413.5	0	0		
14:07	14220	14360	1836	16.15	28580	421.6	0	0		
14:07	14180	14340	1827	16.15	28520	429.7	0	0		
14:08	14200	14200	1832	16.1	28400	437.8	0	0		
14:08	14200	14320	1832	16.1	28520	445.9	0	0		
14:09	14220	14340	1845	16.15	28560	454.	0	0		
14:09	14220	14360	1845	16.15	28580	462.1	0	0		
14:10	14200	14360	1850	16.15	28560	470.2	0	0		
14:10	14180	14320	1841	16.15	28500	478.3	0	0		
14:11	14200	14320	1841	16.15	28520	486.4	0	0		
14:11	14200	14360	1845	16.1	28560	494.5	0	0		
14:12	14220	14360	1841	16.15	28580	502.6	0	0		
14:12	14200	14300	1841	16.1	28500	510.7	0	0		

ORIGINAL

Well CARPENTER #E1-4			Field Hugoton			Service Date		Customer MOBIL OIL CORP		Job Number 20213613	
Time	2NPT09385	2NPT12232	Back up Psi	Total Flowrate	Total N2 Rate	Total Volume			Message		
24 hr clock	scfm	scfm	psi	bpm	ft3/min	bbbl					
14:13	14200	14360	1859	16.15	28560	518.8	0	0			
14:13	14180	14340	1836	16.15	28520	526.9	0	0			
14:14	14220	14360	1845	16.15	28580	535.	0	0			
14:14	14220	14300	1832	16.15	28520	543.1	0	0			
14:15	14220	14420	1703	0.14	28640	550.7	0	0			
14:15	14260	14460	1557	0.	28720	550.7	0	0			
14:16	14260	14440	1538	0.	28700	550.7	0	0			
14:16	0.	0.	1314	0.	0.	550.7	0	0			
14:17	0.	0.	1296	0.	0.	550.7	0	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)	
13	25000	0	16			550	0	0	0	980000	
Treating Pressure Summary, psi						Quantity of & placed, lb					
Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP	Total Injected	Total Ordered/Designed				
0	1950	1520	1800	1204	0	0	0				
N2 Percent	CO2 Percent		Designed Fluid Volume		Displacement	Slurry Volume		Pad Volume		Percent Pad	
0 %	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 <input type="checkbox"/> Screen Out	
Richard Lewis			Jeffrey Dutton			0		0 psi/ft			

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 28 2001

CONSERVATION DIVISION
WICHITA, KS