

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

RECEIVED  
KCC DISTRICT #2

Form AQO-1  
September 1999  
Form Must Be Typed

JUN 30 2003

WICHITA, KS

**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 SERVICES  
License: N. A.  
Wellsite Geologist: N. A.

Designate Type of Completion: Test Casing & Frac Well  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  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: CARLILE, WELL #1

Original Comp. Date: 5-13-47 Original Total Depth: 2812'  
**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. \_\_\_\_\_

1-14-00 5-7-47 1-21-00  
~~SPUD~~ Date of START Date Reached TD Completion Date of

**OF WORKOVER**

**WORKOVER**

API No. 15 - 189-00578-00-01  
County: Stevens  
SE NWNE Sec. 36 Twp. 34 S. R. 36  East  West  
2540' FNL \_\_\_\_\_ feet from S (N) (circle one) Line of Section  
2540' FWL \_\_\_\_\_ feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: CARLILE Well #: 1

Field Name: Hugoton  
Producing Formation: Chase  
Elevation: Ground: 3020 Kelly Bushing: 3025  
Total Depth: 2812 Plug Back Total Depth: 2812  
Amount of Surface Pipe Set and Cemented at 774' 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 JTB 7/22/03  
(Data must be collected from the Reserve Pit)

Chloride content N. A. ppm Fluid volume N. A. bbls  
Dewatering method used \_\_\_\_\_

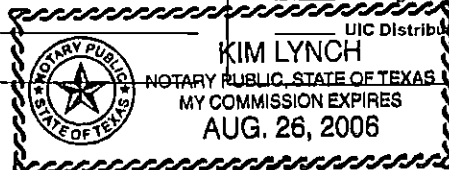
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: 6/27/03  
Subscribed and sworn to before me this 27th day of June, 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

**KIM LYNCH**  
NOTARY PUBLIC, STATE OF TEXAS  
MY COMMISSION EXPIRES  
**AUG. 26, 2006**

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: CARLILE Well #: 1  
 Sec. 36 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 (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
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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	15"	10 3/4 "	32.75#	774'		200 SX	
PRODUCTION	9"	7 "	20#	2650'		900 SX	
LINER		5 1/2"	15.5#	( 2647' - 2812')			

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
	2647' - 2812'	FRAC'D WELL WITH 1,100,000 scf OF	
	(SLOTTED LINER 2650' - 2812')	80Q N2 FOAM @ 80BPM	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		87 jts 2 3/8"	SN@2801'			
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

Vented  Sold  Used on Lease     
  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Sumit ACO-18.)       Other (Specify) \_\_\_\_\_

## Stimulation Service Report

**Schlumberger**  
Dowell

Customer: MOBIL DRILLING V390500757A  
Job Number: 20140854

Well: Carlile 1		Location (legal): Sec. 36-34S-36W		Dowell Location: Ulysses, KS		Job Start: 1/17/00	
Field: Hugoton		Formation Name/Type: Chase		Deviation: 0°	BH Size: 0 in	Well MD: 2,812 ft	Well TVD: 2,812 ft
County: Stevens		State/Province: Kansas		BHP: 0 psi	BHST: 95 °F	BHCT: 85 °F	Pore Pres Gradient: 0 psi/ft
Rig Name: KEY ENERGY 12	Drilled For: Gas	Service Via: Land		<b>Casing</b>			
Offshore Zone:	Well Class: Old	Well Type: Workover		Depth, ft: 2650	Size, in: 7	Weight, lb/ft: 20	Grade:
Primary Treating Fluid: 80Q Foam	Polymer Loading: 20 lb/1000gal	Fluid Density: lb/gal		Depth, ft: 0	Size, in: 0	Weight, lb/ft: 0	Grade:
Service Line: Fracturing	Job Type: Frac, N2Foam/Energized		Wellhead Connection: 5 1/2 X 4 Swage	<b>Perforated Intervals</b>			
Max. Allowed Tubing Pressure: 2500 psi	Max. Allowed Ann. Pressure: 0 psi	Wellhead Connection: 5 1/2 X 4 Swage		Top, ft: 2650	Bottom, ft: 2812	spf: 0	No. of Shots: 0
Service Instructions: Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions.				Total Interval: 162 ft	Diameter: 0 in	Packer Type: None	Packer Depth: 0 ft
				Treat Down: Casing	Displacement: 107.3 bbl	Annular Vol.: 0 bbl	Open Hole Vol.: 0 bbl
				Tubing Vol.: 0 bbl	Casing Vol.: 107.3 bbl	Annular Vol.: 0 bbl	Open Hole Vol.: 0 bbl
Job Scheduled For: 1/17/00 6:00	Arrived on Location: 1/17/00 6:00		Leave Location: 1/17/00 10:00				

Time	Back up Psi	BH Foam Q	BH Inj Rate	Liquid Add 1	Total Flowrate	Total N2 Rate	Total Volume	Treating Psi	Message
8:15	-3723	0.	0.	-6.25	0.	0.	0.	-3745	
8:15	0	0	0	0	0	0	0	0	
8:15	-4.58	0.	0.	0.008	0.	0.	0.	-4.58	
8:16	0.	0.	0.	0.008	0.	0.	0.	0.	
8:17	206.	0.	0.	0.008	0.	0.	0.	206.	
8:17	2651	0.	0.	0.008	0.	0.	0.	2651	
8:18	0	0	0	0	0	0	0	0	
8:18	3004	0.	0.	0.008	0.	0.	0.	2976	
8:19	2953	0.	0.	0.008	0.	0.	0.	2921	
8:19	2965	0.	0.	0.008	0.	0.	0.	2953	
8:20	686.8	0.	0.	0.008	0.	0.	0.	686.8	
8:21	0	0	0	0	0	0	0	0	
8:21	0	0	0	0	0	0	0	0	
8:21	0	0	0	0	0	0	0	0	
8:21	45.79	0.	0.	0.008	0.	0.	0.	50.37	
8:21	87.	100.	21.46	2.06	0.	9100	0.	105.3	
8:22	315.9	81.45	37.92	2.05	7.03	13094	0.707	293.	
8:23	329.7	100.	32.42	2.14	0.	13748	1.42	334.2	
8:23	265.6	0.	0.	0.008	0.	0.	1.48	265.6	
8:24	247.3	0.	0.	0.008	0.	0.	1.48	247.3	
8:25	228.9	0.	0.	0.008	0.	0.	1.48	228.9	
8:25	215.2	0.	0.	0.008	0.	0.	1.49	215.2	
8:26	206.	0.	0.	0.008	0.	0.	1.49	206.	
8:27	192.3	0.	0.	0.008	0.	0.	1.49	187.7	
8:27	178.6	0.	0.	0.008	0.	0.	1.49	178.6	
8:28	174.	0.	0.	0.008	0.	0.	1.6	169.4	
8:29	164.8	0.	0.	0.008	0.	0.	1.6	164.8	
8:29	160.3	0.	0.	0.008	0.	0.	1.79	160.3	
8:30	141.9	0.	0.	0.008	0.	0.	1.79	137.4	

Well #			Field			Service Data		Customer		Job Number	
Carlile #1			Hugoton			MOBIL DRILLING V39050075		20140854		Message	
Time	Back up Psl	BH Foam Q	BH H <sub>2</sub> O Rate	Liquid Add 1	Total Flowrate	Total M <sub>2</sub> Rate	Total Volume	Treating Psl			
24 hr clock	psl	%	bpm	gal/hr	bpm	gal/min	bbbl	psl			
8:31	123.6	0.	0.912	0.008	0.912	0.	2.74	123.6			
8:31	256.4	79.39	34.13	2.59	7.03	11488	4.47	242.7			
8:32	366.3	80.04	40.45	1.8	8.08	13728	9.85	361.7			
8:33	503.7	80.62	40.33	1.81	7.82	13786	15.19	499.1			
8:33	773.8	79.7	72.52	3.4	14.72	24508	22.02	764.7			
8:34	1012	79.62	79.25	3.31	16.15	26752	32.59	993.6			
8:35	1149	80.03	80.88	3.4	16.15	27446	43.43	1145			
8:35	1227	80.18	80.86	3.33	16.02	27490	54.25	1218			
8:36	1218	80.04	80.91	3.36	16.15	27458	65.06	1218			
8:37	1245	79.98	80.69	3.21	16.15	27362	75.89	1236			
8:37	1296	80.07	81.03	3.25	16.15	27510	86.72	1287			
8:38	1310	80.07	81.05	3.35	16.15	27518	97.55	1310			
8:39	1323	80.03	80.87	3.29	16.15	27440	108.4	1323			
8:39	1287	80.02	80.83	3.14	16.15	27424	119.2	1282			
8:40	1291	80.06	80.99	3.16	16.15	27432	130.1	1282			
8:41	1282	79.79	80.58	3.24	16.28	27262	140.9	1282			
8:41	1323	79.94	80.52	3.21	16.15	27294	151.8	1332			
8:42	1300	79.94	80.52	3.1	16.15	27290	162.7	1300			
8:43	1332	79.96	80.58	3.17	16.15	27318	173.6	1342			
8:43	1337	79.83	80.72	3.08	16.28	27320	184.5	1346			
8:44	1291	79.91	80.39	3.37	16.15	27236	195.4	1296			
8:45	1291	79.84	80.77	3.34	16.28	27344	206.3	1300			
8:45	1332	79.85	80.81	3.31	16.28	27358	217.2	1346			
8:46	1337	79.87	80.87	3.34	16.28	27384	228.1	1360			
8:47	1328	79.89	80.95	3.31	16.28	27418	239.	1360			
8:47	1282	79.91	81.07	3.33	16.28	27468	249.9	1314			
8:48	1287	79.9	81.	3.33	16.28	27442	260.8	1319			
8:49	1328	79.91	81.03	3.31	16.28	27452	271.8	1355			
8:49	1273	79.91	81.03	3.33	16.28	27454	282.7	1296			
8:50	1332	79.92	81.09	3.33	16.28	27480	293.6	1355			
8:51	1277	79.93	81.14	3.35	16.28	27498	304.6	1296			
8:52	1337	79.85	80.79	3.35	16.28	27352	315.5	1360			
8:52	1342	79.81	80.64	3.5	16.28	27286	326.4	1360			
8:53	1337	79.82	80.7	3.62	16.28	27312	337.4	1355			
8:54	1342	79.69	80.81	3.59	16.41	27304	348.3	1360			
8:54	1342	79.72	80.92	3.61	16.41	27350	359.3	1360			
8:55	1282	79.85	80.81	3.59	16.28	27360	370.2	1305			
8:56	1337	79.79	80.58	3.59	16.28	27264	381.2	1369			
8:56	1328	79.69	80.82	3.6	16.41	27310	392.2	1355			
8:57	1282	79.68	80.79	3.59	16.41	27296	403.1	1305			
8:58	1342	79.63	80.58	3.61	16.41	27208	414.1	1369			
8:58	1305	79.65	80.65	3.61	16.41	27236	425.1	1337			
8:59	1296	79.65	80.66	3.63	16.41	27242	436.	1310			
9:00	1332	79.83	80.74	3.62	16.28	27332	447.	1355			
9:00	1296	79.67	80.75	3.63	16.41	27278	458.	1328			
9:01	1328	79.79	80.57	3.62	16.28	27260	469.1	1360			
9:02	1323	79.68	80.76	3.63	16.41	27284	480.3	1346			
9:02	1291	79.67	80.72	3.64	16.41	27266	491.3	1319			
9:03	1337	79.67	80.72	3.62	16.41	27268	502.3	1360			
9:04	1319	79.65	80.67	3.65	16.41	27244	513.3	1351			
9:04	1314	79.74	81.	3.64	16.41	27386	524.3	1346			
9:05	1282	79.74	81.01	3.56	16.41	27390	535.3	1305			
9:06	1296	79.64	81.25	3.59	16.54	27434	546.3	1332			
9:06	0	0	0	0	0	0	0	0			

ORIGINAL

Well		Field				Service Date		Customer		Job Number		
Carlile #1		Hugoton						MOBIL DRILLING V39050073		20140854		
Time	Back up Psi	BH Foam Q	BHinj Rate	Liquid Add 1	Total Flowrate	Total N2 Rate	Total Volume	Treating Psi	Message			
24 hr. clock	psi	%	bpm	gal/min	bpm	ft <sup>3</sup> /min	bbl	psi				
9:06	1218	100.	64.7	-6.09	0.	27434	550.8	1232				
9:07	1218	100.	64.5	-6.23	0.	27346	550.8	1223				
9:08	0	0	0	0	0	0	0	0				
9:08	1108	100.	0.019	-6.23	0.	8.	550.8	1108				
Post Job Summary												
Average Injection Rates, bpm						Volume of Fluid Injected, bbl						
Fluid	N2	CO2	Maximum Rate			Clean Fluid	Acid	Oil	CO2	N2 (scf)		
16	27200	0	16			550	0	0	0	1100000		
Treating Pressure Summary, psi						Quantity of & placed, lb						
Breakdown	Maximum	Final	Average	ISP	18 Min. ISP	Total Injected		Total Ordered/Designed				
0	1350	1200	1300	1126	0	0		0				
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad
80 %		0 %		100000 gal		0 bbl		0 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
John Rice			Jeffrey Dutton			0		0 psi/ft				

ORIGINAL