

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
License: N. A.

Wellsite Geologist: N. A.
Designate Type of Completion:
 New Well Re-Entry Workover (refrac)
 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: Larrabee Unit # 1, Well # 7

Original Comp. Date: 11/11/1996 Original Total Depth: 2875
~~XXX FRACTURE TREATED~~
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2827 Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

06/08/2001 10/14/1996 06/22/2001
~~Start~~ Date of START Date Reached TD Completion Date of
OF WORKOVER WORKOVER

API No. 15 - 189-22094 - 0001
County: Stevens
E2 - NW NW Sec. 13 Twp. 32 S. R. 35 East West
660 feet from S (N) (circle one) Line of Section
1200 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Larrabee #1 Unit Well #: 7
Field Name: Hugoton

Producing Formation: Chase
Elevation: Ground: 2963 Kelly Bushing: 2972
Total Depth: 2875 Plug Back Total Depth: 2827
Amount of Surface Pipe Set and Cemented at 568 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 cmr.

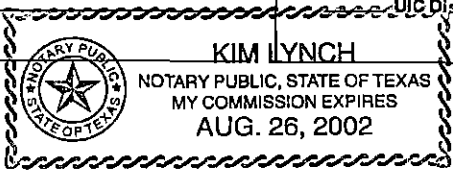
Drilling Fluid Management Plan REWORK JTB 6/19/02
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ 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: Kitty Birt
Title: Completion Admin. Date: April 16, 2002
Subscribed and sworn to before me this 16th 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: Larrabee #1 Unit Well #: 7

Sec. 13 Twp. 32 S. R. 35 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Glorietta	1252	1383
Stone Corral	1705	1762
Chase	2600	
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	12.250	8.625	24	568	Class C	360	50:50 c/poz
Production Casing	7.875	5.500	14	2865	Class C	160	3% D79
					Class C	75	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	2605-2610, 2629-2635	Frac w/ 80Q N2 foam @ plus/minus 80 BPM	
2 spf	2664-2679	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 Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 2605
2679

15-189-22094-0001

Well		Location (legal)		Dowell Location		Job Start			
LARRABEE 1-7		SEC 13-32S-35W		Ulysses, KS		6/18/01			
Field		Formation Name/Type		Deviation		Well TVD			
HUGOTON		Chase		0 °		2,827 ft			
County		State/Province		BHP		BHST			
STEVENS		KANSAS		0 psi		85 °F			
Rig Name		Drilled For		Service Via		BHCT			
		Gas		Land		80 °F			
Offshore Zone		Well Class		Well Type		Pore Pres Gradient			
		Old		Workover		0 psi/ft			
Primary Treating Fluid		Polymer Loading		Fluid Density		Casing			
80Q Foam		30 lb/1000gal		lb/gal		Depth, ft			
Service Line		Job Type		Tubing		Size, in			
Fracturing		Frac,N2Foam/Energized		Depth, ft		Weight, lb/ft			
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		Wellhead Connection		Grade			
3000 psi		0 psi		5 1/2		Thread			
Service Instructions				Perforated Intervals		Top, ft			
Pumper POD				2605		Bottom, ft			
4 N2				2629		spf			
PCM				2664		No. of Shots			
Boom						Total Interval			
N2 Transport						26 ft			
Job Scheduled For:		Arrived on Location:		Leave Location:		Treat Down			
6/18/01 6:00		6/18/01 6:00		6/18/01		Casing			
						Displacement			
						64 bbl			
						Packer Type			
						None			
						Packer Depth			
						0 ft			
						Tubing Vol.			
						0 bbl			
						Casing Vol.			
						64 bbl			
						Annular Vol.			
						0 bbl			
						OpenHole Vol.			
						0 bbl			
Time	BH INJ RATE	FOAM %	N2 RATE	Pressure U1	Stage Volume	STG INJ	Total Flowrate	Total Volume	Message
24 hr clock	bbbl/min	%	ft3/min	psi	bbbl	bbbl	bbbl	bbbl	
8:29	0	0	0	0	0	0	0	0	
8:29	0.	0.	0.	-3631	0.	0.	0.	0.	
8:30	1.89	0.	0.	0.	1.22	1.22	1.89	1.22	
8:31	1.8	0.	0.	0.	2.45	2.45	1.8	2.45	
8:31	0	0	0	0	0	0	0	0	RECEIVED
8:31	0	0	0	0	0	0	0	0	KANSAS CORPORATION COMMISSION
8:31	0.	0.	0.	0.	0.	0.	0.	3.02	
8:32	0.	0.	0.	0.	0.	0.	0.	3.02	MAY 09 2002
8:33	0.	0.	0.	0.	0.	0.	0.	3.02	
8:33	0.	0.	0.	0.	0.	0.	0.	3.02	CONSERVATION DIVISION
8:34	0.	0.	0.	0.	0.	0.	0.	3.02	WICHITA, KS
8:35	0.	0.	0.	0.	0.	0.	0.	3.02	
8:35	0.	0.	0.	0.	0.	0.	0.	3.02	
8:36	0.	0.	0.	0.	0.	0.	0.	3.02	
8:37	0.	0.	0.	9.16	0.	0.	0.	3.02	
8:37	0.	0.	0.	352.6	0.	0.	0.	3.02	
8:38	0	0	0	0	0	0	0	0	
8:38	0.	0.	0.	2688	0.018	0.018	0.	3.04	
8:39	13.44	100.	5700	2527	0.018	0.936	0.	3.04	
8:39	0	0	0	0	0	0	0	0	
8:39	0	0	0	0	0	0	0	0	
8:39	0.	0.	0.	2569	0.	0.	0.	3.04	
8:40	0.	0.	0.	2642	0.	0.	0.	3.04	
8:41	0.	0.	0.	2633	0.	0.	0.	3.04	
8:41	0.	0.	0.	141.9	0.	0.	0.	3.04	
8:42	3.6	0.	0.	41.21	1.22	1.62	3.6	4.26	
8:43	40.69	79.87	13760	288.5	5.17	25.	8.19	8.21	
8:43	40.6	79.83	13740	457.9	10.66	52.19	8.19	13.69	
8:44	40.55	79.8	13720	554.	16.12	79.3	8.19	19.16	

ORIGINAL

Well		Field				Service Date		Customer		Job Number
LARRABEE #1-7		HUGOTON						MOBIL OIL CORP		20223392
Time	BH INJ RATE	FOAM %	N2 RATE	Pressure U1	Stage Volume	STG INJ	Total Flowrate	Total Volume	Message	
24 hr clock	bb/min	%	ft ³ /min	psi	bbbl	bbbl	bpm	bbbl		
8:45	40.37	80.16	13720	696.	21.56	106.4	8.01	24.6		
8:46	62.69	79.61	21160	915.8	27.83	136.4	12.78	30.87		
8:46	79.23	79.89	26840	1310	37.47	177.8	15.93	40.51		
8:47	83.71	80.86	28700	1676	48.17	234.2	16.02	51.21		
8:48	83.33	80.78	28540	1827	58.92	290.1	16.02	61.96		
8:48	83.28	80.76	28520	1900	69.67	345.9	16.02	72.71		
8:49	83.66	80.74	28640	1914	80.44	401.8	16.11	83.48		
8:50	83.84	80.68	28680	1864	91.29	458.1	16.2	94.33		
8:50	83.85	80.79	28720	1781	102.1	514.2	16.11	105.2		
8:51	83.6	80.51	28540	1726	113.	570.2	16.29	116.		
8:52	83.65	80.63	28600	1703	123.9	626.2	16.2	126.9		
8:52	83.47	80.7	28560	1676	134.7	682.1	16.11	137.7		
8:53	83.61	80.84	28660	1671	145.5	738.1	16.02	148.5		
8:54	83.8	80.78	28700	1671	156.3	794.5	16.11	159.3		
8:54	83.52	80.71	28580	1662	167.1	850.5	16.11	170.1		
8:55	83.94	80.81	28760	1658	177.9	906.7	16.11	180.9		
8:56	83.52	80.71	28580	1671	188.6	962.8	16.11	191.7		
8:56	84.03	80.83	28800	1671	199.4	1019	16.11	202.5		
8:57	84.89	80.07	28820	1648	210.2	1075	16.92	213.3		
8:58	83.94	80.92	28800	1658	221.	1132	16.02	224.1		
8:58	82.91	81.98	28820	1653	231.4	1188	14.94	234.5	RECEIVED	
8:59	82.48	81.67	28560	1630	241.4	1243	15.12	244.4	KANSAS CORPORATION COMMISSION	
9:00	82.71	81.5	28580	1644	251.6	1298	15.3	254.6		
9:00	82.38	81.43	28440	1639	261.8	1353	15.3	264.8	MAY 09 2002	
9:01	83.07	81.26	28620	1644	272.3	1409	15.57	275.3		
9:02	82.78	80.97	28420	1625	282.8	1465	15.75	285.8	CONSERVATION DIVISION	
9:02	83.21	81.18	28640	1607	293.3	1520	15.66	296.3	WICHITA, KS	
9:03	83.34	81.1	28660	1621	303.8	1576	15.75	306.8		
9:04	83.63	81.17	28780	1593	314.3	1632	15.75	317.3		
9:04	85.57	81.7	29640	1584	324.7	1688	15.66	327.7		
9:05	83.25	81.08	28620	1580	335.3	1744	15.75	338.3		
9:06	83.35	81.32	28740	1571	345.8	1800	15.57	348.8		
9:06	83.49	81.13	28720	1557	356.3	1855	15.75	359.3		
9:07	83.01	81.03	28520	1566	366.8	1911	15.75	369.9		
9:08	83.4	81.22	28720	1571	377.3	1967	15.66	380.4		
9:08	82.92	81.12	28520	1566	387.8	2023	15.66	390.9		
9:09	83.34	81.1	28660	1566	398.4	2079	15.75	401.4		
9:10	82.87	80.99	28460	1552	408.9	2135	15.75	411.9		
9:10	83.3	81.09	28640	1557	419.4	2190	15.75	422.4		
9:11	83.25	81.08	28620	1561	429.9	2246	15.75	432.9		
9:12	83.2	81.07	28600	1557	440.4	2302	15.75	443.5		
9:12	83.11	81.16	28600	1557	450.9	2358	15.66	454.		
9:13	83.07	81.15	28580	1561	461.5	2413	15.66	464.5		
9:14	83.02	81.25	28600	1561	472.	2469	15.57	475.		
9:14	83.02	81.14	28560	1557	482.5	2525	15.66	485.5		
9:15	82.97	81.13	28540	1575	492.9	2580	15.66	496.		
9:16	82.97	81.13	28540	1566	503.4	2636	15.66	506.4		
9:16	83.58	81.26	28800	1575	513.9	2692	15.66	517.		
9:17	83.16	81.17	28620	1575	524.4	2747	15.66	527.4		
9:18	83.44	81.23	28740	1566	534.9	2803	15.66	537.9		
9:18	83.07	81.15	28580	1538	545.3	2859	15.66	548.4		
9:19	0	0	0	0	0	0	0	0		
9:19	0	0	0	0	0	0	0	0		
9:19	67.84	100.	28680	1447	0.	19.24	0.	553.3		

ORIGINAL

Well LARRABEE #1-7			Field HUGOTON			Service Date		Customer MOBIL OIL CORP		Job Number 20223392		
Time	BH INJ RATE	FOAM %	N2 RATE	Pressure U1	Stage Volume	STG INJ	Total Flowrate	Total Volume	Message			
24 hr clock	bbl/min	%	ft3/min	psi	bbl	bbl	bpm	bbl				
9:20	67.69	100.	28700	1470	0.	64.62	0.	553.3				
9:20	0.	0.	0.	1296	0.	73.83	0.	553.3				
Post Job Summary												
Average Injection Rates, bpm						Volume of Fluid Injected, bbl						
Fluid	N2	CO2	Maximum Rate			Clean Fluid	Acid	Oil	CO2	N2 (scf)		
15	26500	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					
1910	1910	1576	1600	1314	0	0	0					
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad
80 %		0 %		100000 gal		64 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	
Richard Lewis				Jeffrey Dutton			0		0 psi/ft			

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION
WICHITA, KS