

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: _____
 Operator Contact Person: Beverly Roppolo
 Phone: (281) 654-1943
 Contractor: Name: Key Energy
 License: N. A.
 Wellsite Geologist: N. A.
 Designate Type of Completion: ADD PERFS & REFRAC
 _____ New Well _____ Re-Entry Workover
 _____ 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: RAPP-GRIGSBY, WELL #3
 Original Comp. Date: 7-11-96 Original Total Depth: 2931'
 _____ 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. _____

9-20-99	6-19-96	10-9-99
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

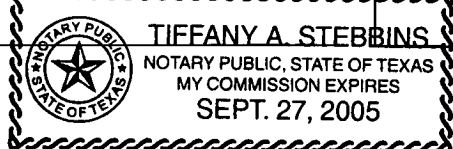
API No. 15 - 189-22075 - 00-01
 County: Stevens
NE. SWSW Sec. 21 Twp. 31 S. R. 36 East West
1250 FSL feet from (S) N (circle one) Line of Section
1250 FWL feet from E / (M) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: RAPP-GRIGSBY Well #: 3
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 3044 Kelly Bushing: 3053
 Total Depth: 2931 Plug Back Total Depth: 2832
 Amount of Surface Pipe Set and Cemented at 640 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 OWWO KGR 2-1-08
 (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: 7/9/03
 Subscribed and sworn to before me this 10 day of July,
2003.
 Notary Public: Tiffany A. Stebbins
 Date Commission Expires: 9-27-05



KCC Office Use ONLY

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

Operator Name: Exxon Mobil Oil Corporation * Lease Name: RAPP-GRIGSBY Well #: 3
 Sec. 21 Twp. 31 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 <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>HERRINGTON</td> <td>2565'</td> <td>2570'</td> </tr> <tr> <td>U. KRIDER</td> <td>2595'</td> <td>2600'</td> </tr> <tr> <td>L. KRIDER</td> <td>2622'</td> <td>2642'</td> </tr> <tr> <td>WINFIELD</td> <td>2665'</td> <td>2685'</td> </tr> <tr> <td>TOWANDA</td> <td>2723'</td> <td>2738'</td> </tr> </table>	Name	Top	Datum	HERRINGTON	2565'	2570'	U. KRIDER	2595'	2600'	L. KRIDER	2622'	2642'	WINFIELD	2665'	2685'	TOWANDA	2723'	2738'
Name	Top	Datum																	
HERRINGTON	2565'	2570'																	
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TOWANDA	2723'	2738'																	

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	12.250	8.625	24#	640'	CLASS C	375	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2887'	CLASS C	140, 75	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
4 SPF	2565' - 2685"	FRAC'D WELL WITH 1,105,340 scf OF	
1 SPF	2723' - 2789'	80Q N2 FOAM @ 80BPM	

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.		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

S. Blumberg
Dowell

Customer: **MOBIL DRILLING V360500757A** Job Number: **20125912**

Well: RAPP-GRIGSBY 3		Location (Legal): 21, 31S, 36W		Dowell Location: Ulysses, KS		Job Start: 10/4/99	
Field: HUGOTON		Formation Name/Type: Chase		Deviation: 0°		Well MD: 2,931 ft	
County: Stevens		State/Province: KS		BHP: 0 psi		BHST: 100 °F	
Rig Name: Key Energy		Drilled For: Gas		Service Via: Land		Well TVD: 2,931 ft	
Casing Zone		Well Class: Old		Well Type: Development		Perforated Intervals	
Primary Treating Fluid: 80Q Foam		Polymer Loading: 20 lb/1000gal		Field Density: lb/gal		Tubing	
Service Line: Fracturing		Job Type: Frac, N2 Foam/Energized		Depth, ft		Size, in	
Max. Allowed Tubing Pressure: 3000 psi		Max. Allowed Ann. Pressure: 0 psi		Wellhead Connection: 5 1/2 Swage		Weight, lb/ft	
Service Instructions: Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions.		Mileage: 22		Top, ft		Bottom, ft	
Job Scheduled For: 10/4/99 16:00		Arrived on Location: 10/4/99 19:00		Leave Location: 10/4/99 19:00		No. of Stacks	
Tubing Vol: 0 bbl		Casing Vol: 0 bbl		Annular Vol: 0 bbl		Total Interval	
Treat Down: Casing		Displacement: 0 bbl		Packer Type: None		Packer Depth: 0 ft	
Tubing Vol: 0 bbl		Casing Vol: 0 bbl		Annular Vol: 0 bbl		Open Hole Vol: 0 bbl	

Time	BH-FOAM-Q	BH-ILL-RATE	FOAMER-RATE	N2 FLOW-METER	Pressure	Total Flowrate	Total Volume	Message
24 hr clock	gpm	gpm	gpm	scfm	psi	gpm	MBL	
17:03	0	0	0	0	0	0	0	START PLAYBACK
17:03	0.	0.	-6.24	-18.32	54.95	0.	0.	
17:04	0.	0.	-6.24	-18.32	3571	0.	0.454	
17:05	0.	0.	-6.24	109.9	3420	0.	0.454	
17:05	0.	0.	-6.24	-18.32	3484	0.	0.454	
17:06	0.	0.	-6.24	-18.32	3484	0.	0.454	PAUSE ACQUISITION
17:11	0.	0.	-6.24	-18.32	3484	0.	0.454	RESTART AFTER PAUSE
17:11	0.	0.	-6.24	0.	348.	0.	0.454	
17:11	0.	0.	-6.24	-18.32	352.6	0.	0.454	
17:12	0.	0.	-6.24	-18.32	357.1	0.	0.454	
17:13	0.	0.	-6.25	-18.32	348.	0.	0.454	
17:14	0.	0.132	-6.25	-18.32	348.	0.132	0.47	
17:14	0.	0.132	-6.25	-18.32	348.	0.132	0.47	Start Using N2 Flowmeter
17:14	0.	0.132	-6.25	-18.32	348.	0.132	0.47	[TOTAL N2 RATE]-F[TOTAL N2 RATE 2]
17:14	0.	0.132	-6.25	-18.32	348.	0.132	0.47	Start Job
17:14	43.61	6.44	1.37	1190	82.42	3.63	0.719	
17:15	63.24	47.64	1.38	16813	604.4	7.99	6.42	
17:16	80.79	42.94	1.4	14707	920.3	8.25	12.51	
17:17	79.62	40.15	1.39	13553	1131	8.18	18.7	
17:17	77.42	46.48	2.77	15256	1332	10.49	25.8	
17:18	77.42	46.48	2.77	15256	1332	10.49	25.8	Shutdown
17:18	77.42	46.48	2.77	15256	1332	10.49	25.8	PAUSE ACQUISITION
17:25	77.42	46.48	2.77	15256	1332	10.49	25.8	RESTART AFTER PAUSE
17:25	100.	0.	-0.008	0.	824.2	0.	29.15	
17:26	44.2	13.49	1.3	2527	874.5	7.52	32.49	
17:27	78.99	38.33	1.3	12839	1172	8.05	38.44	
17:27	70.82	54.28	2.45	16300	1538	15.84	48.59	
17:28	73.17	58.8	2.64	18242	1754	15.77	60.72	

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Well			Field			Service Date		Customer		Job Number
RAPP-GRIGSBY #3			HUGOTON					MOBIL DRILLING V39050075		20125912
Time	SH-FOAM-Q	SH-FL-RATE	FOAMER RATE	M2 FLOW RATE	Pressure	Total Flowrate	Total Volume		Message	
24 hr clock	%	bbf/min	gal/min	scfm	psid	bpm	bbf			
17:29	75.52	64.69	2.8	20714	1818	15.84	72.64	0		
17:30	75.61	64.95	2.8	20824	1745	15.84	84.55	0		
17:30	74.62	62.41	3.28	19744	1575	15.84	96.47	0		
17:31	70.63	53.94	3.28	18154	1438	15.84	108.6	0		
17:32	73.97	60.85	3.24	19084	1442	15.84	120.5	0		
17:33	76.23	66.64	3.21	21538	1465	15.84	132.5	0		
17:33	75.53	64.74	3.21	20733	1474	15.84	144.4	0		
17:34	76.56	67.31	3.3	21850	1474	15.77	158.4	0		
17:35	76.32	66.9	3.24	21648	1474	15.84	168.3	0		
17:36	75.79	65.43	3.24	21026	1479	15.84	180.3	0		
17:36	75.32	64.18	3.28	20465	1470	15.84	192.2	0		
17:37	75.45	64.52	3.37	20641	1461	15.84	204.2	0		
17:38	75.76	65.34	3.32	20989	1461	15.84	216.1	0		
17:38	75.76	65.34	3.32	20989	1461	15.84	216.1	0		
17:39	75.32	64.46	3.3	20586	1461	15.91	228.2	0	[Total Flowrate]=18 bpm	
17:39	76.23	66.64	3.33	21538	1451	15.84	240.1	0		
17:40	75.47	64.85	3.3	20751	1451	15.91	252.1	0		
17:41	76.09	66.25	3.24	21374	1456	15.84	264.1	0		
17:42	75.9	66.01	3.34	21245	1451	15.91	276.1	0		
17:42	76.03	66.08	3.3	21300	1456	15.84	288.	0		
17:43	76.37	67.03	3.27	21703	1456	15.84	300.	0		
17:44	75.67	65.93	3.3	21209	1461	15.91	312.	0		
17:45	76.11	66.29	3.26	21362	1456	15.84	323.9	0		
17:45	75.68	65.13	3.37	20897	1465	15.84	335.9	0		
17:46	75.68	65.08	3.21	20879	1479	15.84	347.9	0		
17:47	75.61	64.95	3.35	20824	1484	15.84	359.9	0		
17:48	76.	66.27	3.17	21355	1493	15.91	371.8	0		
17:48	75.68	65.13	3.3	20897	1497	15.84	383.8	0		
17:49	75.36	64.54	3.11	20623	1607	15.91	395.8	0		
17:50	78.09	66.25	3.32	21374	1630	15.84	407.8	0		
17:51	75.89	65.89	3.24	21136	1625	15.84	419.7	0		
17:51	75.92	66.06	3.39	21284	1612	15.91	431.8	0		
17:52	75.5	64.93	3.5	20788	1603	15.91	443.7	0		
17:53	75.71	65.49	3.35	21026	1571	15.91	455.7	0		
17:54	75.54	65.02	3.29	20824	1571	15.91	467.7	0		
17:54	75.59	65.15	3.27	20879	1561	15.91	479.7	0		
17:55	75.5	64.93	3.38	20788	1575	15.91	491.7	0		
17:56	75.87	65.93	3.15	21209	1534	15.91	503.7	0		
17:57	75.47	64.85	3.33	20751	1538	15.91	515.7	0		
17:57	75.73	65.54	3.41	21044	1534	15.91	527.6	0		
17:58	75.71	65.49	3.34	21026	1543	15.91	539.6	0		
17:59	75.84	65.84	3.34	21172	1520	15.91	551.8	0		
18:00	75.78	65.67	3.38	21089	1552	15.91	563.6	0		
18:00	91.31	46.31	3.41	17930	1360	4.03	575.1	0		
18:01	91.31	46.31	3.41	17930	1360	4.03	575.1	0	Shutdown	
18:01	100.	-0.043	2.98	-18.32	1007	0.	575.1	0		
18:02	100.	1.64	-0.008	696.	975.3	0.	575.1	0		
18:03	100.	0.	0.	0.	957.	0.	575.1	0		
18:04	100.	-0.043	-0.008	-18.32	943.2	0.	575.1	0		
18:04	100.	0.	-6.24	0.	934.1	0.	575.1	0		
18:05	100.	0.	-6.24	0.	924.9	0.	575.1	0		
18:06	100.	-0.043	-6.24	-18.32	915.8	0.	575.1	0		
18:07	100.	-0.043	-6.24	-18.32	906.6	0.	575.1	0		
18:07	100.	0.	-6.24	0.	897.4	0.	575.1	0		

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Well		Field			Service Date		Customer		Job Number	
RAPP-GRIGSBY #3		HUGOTON					AOBIL DRILLING V39050075		20125912	
Time 24 hr. clock	BH-FOAM-%	BH-FLOW-RATE	FOAMER RATE	N2 FLOW METER	Pressure	Total Flowrate	Total Volume	Message		
	%	bbl/min	gal/min	scfm	psi	bpm	bbbl			
18:08	100.	-0.043	-6.24	-18.32	888.3	0.	575.1	0		
18:09	100.	-0.043	-6.24	-18.32	879.1	0.	575.1	0		
18:10	100.	0.	-6.25	0.	870.	0.	575.1	0		
18:10	100.	-0.043	-6.24	-18.32	860.8	0.	575.1	0		
18:11	100.	-0.043	-6.25	-18.32	851.8	0.	575.1	0		
18:12	100.	-35.38	-6.25	-15000	842.5	0.	575.1	0		
18:13	100.	-35.38	-6.25	-15000	833.3	0.	575.1	0		
18:13	100.	-35.38	-6.25	-15000	819.8	0.	575.1	0		
18:14	100.	-35.38	-6.25	-15000	815.	0.	575.1	0		
18:15	100.	-35.38	-6.24	-15000	801.3	0.	575.1	0		
18:15	100.	-35.38	-6.24	-15000	801.3	0.	575.1	0	End Job	
18:15	100.	-35.38	-6.24	-15000	801.3	0.	575.1	0	STOP PLAYBACK	
Post Job Summary										
Average Injection Rates, bpm					Volume of Fluid Injected, bbl					
Field	N2	CO2	Maximum Rate		Clean Fluid	Acid	OH	CO2	N2 (scf)	
16	27000	0	16		575	0	0	0	1105340	
Treating Pressure Summary, psi						Quantity of & placed, lb				
Breakdown	Maximum	Final	Average	ISIP	18 Min. ISIP	Total Injected	Total Ordered/Designed			
0	1818	1039	1400	930	835	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		Job Completed
John Rice			Jeffrey Dutton			0		0 psi/ft		<input checked="" type="checkbox"/> Job Completed
<input type="checkbox"/> Screen Out										

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