

MAY 28 2003

CONSERVATION DIVISION
WICHITA, KS

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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: (713) 431-1701
 Contractor Name: Key Energy
 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: BROWNELL C1 UNIT, WELL #4
 Original Comp. Date: 7-2-85 Original Total Depth: 6340
 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. _____

<u>5-3-01</u>	<u>6-26-85</u>	<u>5-12-01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-20854-00-02
 County: Stevens
C SW SW Sec. 1 Twp. 32 S. R. 35 East West
660 feet from (S) / N (circle one) Line of Section
660 feet from E / (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: BROWNELL C1 UNIT Well #: 4
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 2969 Kelly Bushing: 2978
 Total Depth: 6340 Plug Back Total Depth: 5890
 Amount of Surface Pipe Set and Cemented at 1818 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 2/4/08
 (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.: _____

TA'd 10-18-88 / Re-Completion 1-22-96

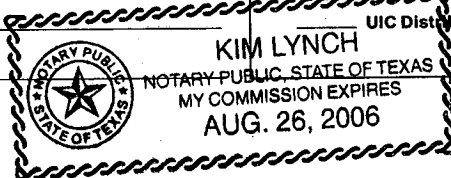
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: 5/21/03
 Subscribed and sworn to before me this 21 day of May, 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



Operator Name: Exxon Mobil Oil Corporation * Lease Name: BROWNELL C1 UNIT Well #: 4
 Sec. 1 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 <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 <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>L. KRIDER</td> <td>2650'</td> <td>2665'</td> </tr> <tr> <td>WINFIELD</td> <td>2699'</td> <td>2714'</td> </tr> <tr> <td>TOWANDA</td> <td>2555'</td> <td>2775'</td> </tr> <tr> <td>CHESTER</td> <td>6099'</td> <td>6112'</td> </tr> </tbody> </table>	Name	Top	Datum	L. KRIDER	2650'	2665'	WINFIELD	2699'	2714'	TOWANDA	2555'	2775'	CHESTER	6099'	6112'
Name	Top	Datum														
L. KRIDER	2650'	2665'														
WINFIELD	2699'	2714'														
TOWANDA	2555'	2775'														
CHESTER	6099'	6112'														

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	9.625	24#	1818'	CLASS C	700	50:50 c/poz
PRODUCTION	7.875	5.500	14#	6334'	CLASS C	500	

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
1 spf	2650' - 2775'	FRAC'D WELL WITH 950, 000 OF	
	CIBP @ 5900	80Q N2 FOAM @ 80BPM	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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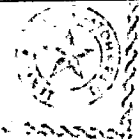
Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



Customer							Job Number			
MOBIL OIL CORP							20216523			
Well		Location (legal)			Dowell Location		Job Start			
Brownell C 1-4		Sec. 1-32S-35W			Ulysses, KS		5/8/01			
Field		Formation Name/Type			Deviation	BitSize:	Well MD	Well TVD		
Hugoton		Chase			0 °	0 in	5,890 ft	5,890 ft		
County		State/Province			BHP	BHST	BHCT	Pore Pres Gradient		
Stevens		Kansas			0 psi	120 °F	115 °F	0 psi/ft		
Rig Name	Drilled For		Service Via		Casing					
	Gas		Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class		Well Type		5890	5.5	15.5			
	Old		Workover							
Primary Treating Fluid		Polymer Loading		Fluid Density		Tubing				
80Q Foam		30 lb/1000gal		lb/gal		Depth,	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type		0	0	0					
Fracturing	Frac,N2Foam/Energized		0	0	0					
Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure		WellHead Connection		Perforated Intervals					
3000 psi	0 psi		5 1/2		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
Service Instructions Pumper POD 4 N2 PCM Boom N2 Transport					2650	2714	0.25	16	99 ft	
					2699	2714	1.0666667	16	Diameter	
					2755	2775	2.8	56	in	
	Treat Down	Displacement		Packer Type		Packer Depth				
	Casing	0 bbl		None		0 ft				
Job Scheduled For:		Arrived on Location:		Leave Location:		Tubing Vol.	CasingVol.	AnnularVol.	OpenHoleVol	
5/8/01 6:00		5/8/01 6:00		5/8/01		0 bbl	0 bbl	0 bbl	0 bbl	
Time	BH Foam Q	BHinj Rate	Pressure	Stage Inj	Total Flowrate	Total N2 Rate	Total Volume	Message		
24 hr clock	%	bpm	psi	bbl	bpm	N2/min	bbl			
14:23	0	0	0	0	0	0	0	START ACQUISITION		
14:23	0.	0.	0.	0.	0.	0.	0.			
14:23	0.	0.	42.74	0.	0.	0.	0.			
14:24	0.	0.	3068	0.113	0.	0.	0.113			
14:24	0.	0.	3068	0.113	0.	0.	0.113	Pressure Test Lines		
14:24	100.	3.44	2897	2.02	0.	1460	0.113			
14:25	100.	4.76	2857	3.99	0.	2020	0.113			
14:25	100.	11.7	2848	9.72	0.	4960	0.113			
14:26	100.	0.708	2845	10.57	0.	300.	0.113			
14:26	100.	1.93	2848	11.37	0.	820.	0.113			
14:27	100.	1.75	2848	12.45	0.	740.	0.113			
14:27	100.	7.83	48.84	13.58	0.	3320	0.113			
14:28	4.11	2.29	-15.26	15.54	2.2	40.	0.154			
14:28	79.96	39.23	125.2	25.59	7.86	13300	2.81			
14:29	80.59	40.27	274.7	45.62	7.82	13760	6.72			
14:29	80.64	40.36	360.2	65.8	7.82	13800	10.63			
14:30	80.59	40.27	433.5	85.92	7.82	13760	14.55			
14:30	80.55	40.17	494.5	106.	7.82	13720	18.46			
14:31	83.08	71.65	628.8	130.6	12.12	25240	22.71			
14:31	80.18	79.83	967.6	169.7	15.82	27140	30.06			
14:32	80.06	80.02	1267	209.6	15.96	27160	37.99			
14:32	79.97	80.16	1505	249.6	16.05	27180	46.01			
14:33	80.01	80.3	1615	289.7	16.05	27240	54.05			
14:33	80.	80.49	1651	329.9	16.1	27300	62.09			
14:34	80.07	80.53	1697	370.2	16.05	27340	70.14			
14:34	79.95	80.3	1740	410.4	16.1	27220	78.18			
14:35	79.88	80.01	1780	450.4	16.1	27100	86.22			
14:35	79.92	80.16	1819	490.4	16.1	27160	94.26			
14:36	79.89	80.06	1816	530.5	16.1	27120	102.3			

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 WICHITA, KS

ORIGINAL

Well			Field			Service Date		Customer		Job Number
Brownell C #1-4			Hugoton					MOBIL OIL CORP		20216523
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			
14:36	79.92	80.16	1770	570.5	16.1	27160	110.4	0		
14:37	79.89	80.3	1673	610.6	16.15	27200	118.4	0		
14:37	79.99	80.44	1603	650.7	16.1	27280	126.5	0		
14:38	80.01	80.53	1569	690.9	16.1	27320	134.5	0		
14:38	80.04	80.67	1563	731.2	16.1	27380	142.6	0		
14:39	80.06	80.72	1551	771.5	16.1	27400	150.6	0		
14:39	80.06	80.72	1548	811.8	16.1	27400	158.7	0		
14:40	79.99	80.67	1545	852.1	16.15	27360	166.7	0		
14:40	80.07	80.77	1538	892.4	16.1	27420	174.7	0		
14:41	80.04	80.67	1542	932.7	16.1	27380	182.8	0		
14:41	80.06	80.72	1542	973.	16.1	27400	190.8	0	RECEIVED KANSAS CORPORATION COMMISSION MAY 28 2003	
14:42	80.03	80.63	1538	1013	16.1	27360	198.9	0		
14:42	80.06	80.72	1538	1054	16.1	27400	206.9	0	CONSERVATION DIVISION WICHITA, KS	
14:43	80.02	80.58	1535	1094	16.1	27340	215.	0		
14:43	79.93	80.2	1535	1134	16.1	27180	223.	0		
14:44	79.89	80.06	1532	1174	16.1	27120	231.1	0		
14:44	79.9	80.11	1526	1214	16.1	27140	239.1	0		
14:45	79.92	80.16	1526	1254	16.1	27160	247.2	0		
14:45	79.9	80.11	1526	1294	16.1	27140	255.2	0		
14:46	79.92	80.16	1526	1334	16.1	27160	263.2	0		
14:46	79.89	80.06	1523	1375	16.1	27120	271.3	0		
14:47	79.9	80.11	1520	1415	16.1	27140	279.3	0		
14:47	79.94	80.25	1523	1455	16.1	27200	287.4	0		
14:48	79.94	80.25	1523	1495	16.1	27200	295.4	0		
14:48	79.94	80.25	1523	1535	16.1	27200	303.5	0		
14:49	79.94	80.25	1526	1575	16.1	27200	311.5	0		
14:49	79.88	80.25	1520	1615	16.15	27180	319.6	0		
14:50	79.83	79.83	1520	1655	16.1	27020	327.6	0		
14:50	79.76	79.54	1517	1695	16.1	26900	335.7	0		
14:51	79.8	79.68	1517	1735	16.1	26960	343.7	0		
14:51	79.81	79.73	1517	1775	16.1	26980	351.8	0		
14:52	79.86	79.92	1514	1814	16.1	27060	359.8	0		
14:52	79.87	79.97	1520	1854	16.1	27080	367.8	0		
14:53	79.87	79.97	1517	1894	16.1	27080	375.9	0		
14:53	79.88	80.01	1514	1934	16.1	27100	383.9	0		
14:54	79.89	80.06	1511	1974	16.1	27120	392.	0		
14:54	79.92	80.16	1511	2015	16.1	27160	400.	0		
14:55	79.95	80.06	1517	2055	16.05	27140	408.1	0		
14:55	79.92	80.16	1511	2095	16.1	27160	416.1	0		
14:56	79.99	80.44	1514	2135	16.1	27280	424.2	0		
14:56	79.99	80.44	1514	2175	16.1	27280	432.2	0		
14:57	79.99	80.44	1514	2215	16.1	27280	440.3	0		
14:57	79.97	80.39	1511	2255	16.1	27260	448.3	0		
14:58	79.94	80.25	1511	2296	16.1	27200	456.3	0		
14:58	79.92	80.16	1511	2336	16.1	27160	464.4	0		
14:59	79.93	80.2	1514	2376	16.1	27180	472.4	0		
14:59	79.95	80.3	1514	2416	16.1	27220	480.5	0		
15:00	79.95	80.3	1511	2456	16.1	27220	488.5	0		
15:00	79.97	80.39	1514	2496	16.1	27260	496.6	0		
15:01	79.99	80.44	1514	2536	16.1	27280	504.6	0		
15:01	79.95	80.3	1514	2577	16.1	27220	512.7	0		
15:02	80.	80.25	1514	2617	16.05	27220	520.7	0		
15:02	79.93	80.2	1514	2657	16.1	27180	528.7	0		
15:03	79.93	80.2	1514	2697	16.1	27180	536.8	0		

Well		Field				Service Date		Customer		Job Number	
Brownell C #1-4		Hugoton						MOBIL OIL CORP		20216523	
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	ft ³ /min	bbl				
15:03	79.93	80.2	1514	2737	16.1	27180	544.8	0			
15:04	79.93	80.2	1514	2737	16.1	27180	544.8	0 [Stage Inj]=0 bbl			
15:04	100.	63.96	1426	9.63	0.	27120	550.4	0			
15:04	100.	63.73	1416	41.57	0.	27020	550.4	0			
15:05	100.	2.69	1322	70.07	0.	1140	550.4	0			
15:05	100.	2.69	1322	70.07	0.	1140	550.4	0 Shutdown			
15:05	100.	0.047	1245	70.38	0.	20.	550.4	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)		
0	0	0	0		550	0	0	0	950000		
Treating Pressure Summary, psi					Quantity of & placed, lb						
Breakdown	Maximum	Final	Average	ISIP	16 Min. ISIP	Total Injected		Total Ordered/Designed			
0	1810	1500	1500	1150	0	0		0			
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume	Percent Pad
0%		0%		100000 gal		0 bbl		550 bbl		0 gal	0 %
Customer or Authorized Representative			Dowell Supervisor			Number of Stages		Fracture Gradient		<input type="checkbox"/> Job Completed <input type="checkbox"/> Screen Out	
Richard Lewis			Jeffrey Dutton			0		0 psi/ft			

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