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.

RECEIVED
JUL 2 3 2003
KCC WICHITA

Designate Type of Completion: REFRAC
___ 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: BROWN #8 UNIT, WELL #10
Original Comp. Date: 12-29-95 Original Total Depth: 2852'
___ 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.

1-2-03	12-5-95	1-11-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 055-21421-00-01
County: FINNEY
NW SW SE Sec. 26 Twp. 24 S. R. 34 ☐ East ☑ West
1250 FSL feet from (S) / N (circle one) Line of Section
2500 FEL feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: BROWN #8 UNIT Well #: 10
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 2960 Kelly Bushing: 2971
Total Depth: 2852 Plug Back Total Depth: 2798
Amount of Surface Pipe Set and Cemented at 492 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 KJR 1-31-08
(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: 7/18/03
Subscribed and sworn to before me this 18 day of July, 2003
Notary Public: Tiffany A. Stebbins
Date Commission Expires: 9-27-05

TIFFANY A. STEBBINS
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
SEPT. 27, 2005

KCC Office Use ONLY
___ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
___ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

Side Two

Operator Name: Exxon Mobil Oil Corporation * Lease Name: BROWN #8 UNIT Well #: 10

Sec. 26 Twp. 24 S. R. 34 ☐ East ☑ West County: FINNEY

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:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
KRIDER	2574'	2594'
WINFIELD	2640'	2650'
TOWANDA	2690'	2710'

CASING RECORD ☑ New ☐ 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#	492	CLASS C	350	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2844	CLASS C	575,100	3%D79,2% B28

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	2574' - 2710'	FRAC'D WELL WITH 851,550 scf OF	
		80Q N2 FOAM @ 80BPM	

TUBING RECORD Size: 2 3/8" #jts 86 Set At: @ 2707 Packer At: Liner Run ☐ Yes ☑ No

Date of First, Resumed Production, SWD or Enhr. Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ 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

Schlumberger

Stimulation Service Report

Customer	Job Number
EXXON MOBIL CORPORATION	2205541229

Well	Location (legal)	Schlumberger Location	Job Start
BROWN 8-10	SEC. 26-24S-34W	Perryton, TX	2003-Jan-07

Field	Formation Name/Type	Deviation	BitSize:	Well MD	Well TVD
	Dirty-Sandstone	°	in	2,866 ft	2,866 ft

County	State/Province	BHP	BHST	BHCT	Pore Pres Gradient
FINNEY	KANSAS	psi	110 °F	110 °F	psi/ft

Well Maste	API / UW
0630467465	

Rig Name	Drilled For	Service Via
	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Exploration

Primary Treating Fluid	Polymer Loading	Fluid Density
WF130	6.8 lb/1000gal	lb/gal

Service Line	Job Type
Fracturing	Frac,N2Foam/Energized

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
3000 psi	psi	5 1/2 Cross

Service Instructions

Frac CHASE w/ 100,000 gals 80Q WF130 @ 80 bpm

Job Scheduled For:	Arrived on Location:	Leave Location:
	2003-Jan-07 7:00	2003-Jan-07 10:45

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
2844	5.5	14	K55	8RD

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
2574	2594	1	20	50 ft
2640	2650	1	10	Diameter
2690	2710	1	20	in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	62.8 bbl		ft

Tubing Vol.	CasingVol.	AnnularVol.	OpenHoleVol
bbl	69.4 bbl	bbl	bbl

Date	Time	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	Message
	24 hr clock	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	
2003-Jan-07	9:25	253	0.0	0	0.0	0.0	0	0	0	
2003-Jan-07	9:25									Started PAD
2003-Jan-07	9:25	57	0.0	0	0.0	0.0	0	0	0	
2003-Jan-07	9:26	65	0.7	0	0.1	0.0	0	0	0	
2003-Jan-07	9:26	257	7.9	9485	2.1	1.2	0	0	0	
2003-Jan-07	9:26	337	8.1	11816	4.7	4.9	0	0	0	
2003-Jan-07	9:27	393	8.1	12316	7.4	9.0	0	0	0	
2003-Jan-07	9:27	467	8.0	12737	10.1	13.2	0	0	0	
2003-Jan-07	9:27	564	8.1	12867	12.8	17.4	0	0	0	
2003-Jan-07	9:28									Stage at Perfs: PAD
2003-Jan-07	9:28	618	8.0	12887	14.2	19.6	0	0	0	
2003-Jan-07	9:28	657	8.0	12867	15.5	21.7	0	0	0	
2003-Jan-07	9:28	807	13.9	12767	18.6	26.1	0	0	0	
2003-Jan-07	9:28	1112	13.9	20160	23.2	33.9	0	0	0	
2003-Jan-07	9:29	1362	16.0	19460	28.5	41.5	0	0	0	
2003-Jan-07	9:29	1453	16.1	19460	33.7	48.0	0	0	0	
2003-Jan-07	9:29	1593	16.1	19460	39.1	54.5	0	0	0	
2003-Jan-07	9:30	1797	16.1	25863	44.5	62.3	0	0	0	
2003-Jan-07	9:30	1800	16.1	25913	49.8	71.0	0	0	0	
2003-Jan-07	9:30	1816	16.1	26204	55.2	79.6	0	0	0	
2003-Jan-07	9:31	1866	16.1	25923	60.5	88.3	0	0	0	
2003-Jan-07	9:31	1811	16.0	26174	65.9	97.0	0	0	0	
2003-Jan-07	9:31	1858	16.2	25973	71.3	105.6	0	0	0	
2003-Jan-07	9:32	1882	16.2	26114	76.7	114.3	0	0	0	
2003-Jan-07	9:32	1893	16.2	26124	82.1	123.0	0	0	0	
2003-Jan-07	9:32	1900	16.1	26124	87.4	131.7	0	0	0	
2003-Jan-07	9:33	1906	16.1	26134	92.8	140.5	0	0	0	
2003-Jan-07	9:33	1856	16.2	26134	98.2	149.2	0	0	0	
2003-Jan-07	9:33	1857	16.2	25383	103.6	157.4	0	0	0	

ORIGINAL

Well	Field	Service Date	Customer	Job Number
BROWN #8-10		2003-Jan-07	EXXON MOBIL CORPORATION	2205541229

Date	Time (24 hr clock)	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	Message
		psi	bbl/min	scf/min	bbl	Mscf	0	0	0	
2003-Jan-07	9:52	1839	16.0	26444	398.2	637.7	0	0	0	
2003-Jan-07	9:52	1852	16.0	26454	403.6	646.5	0	0	0	
2003-Jan-07	9:52	1826	16.0	26444	408.9	655.2	0	0	0	
2003-Jan-07	9:53	1879	16.0	26184	414.3	664.0	0	0	0	
2003-Jan-07	9:53	1818	16.0	26394	419.6	672.7	0	0	0	
2003-Jan-07	9:53	1839	16.0	26184	425.0	681.5	0	0	0	
2003-Jan-07	9:54	1840	16.1	26194	430.3	690.2	0	0	0	
2003-Jan-07	9:54	1820	16.0	26184	435.6	698.9	0	0	0	
2003-Jan-07	9:54	1863	16.0	26194	441.0	707.7	0	0	0	
2003-Jan-07	9:55	1818	16.1	26184	446.3	716.4	0	0	0	
2003-Jan-07	9:55	1822	16.1	26184	451.7	725.2	0	0	0	
2003-Jan-07	9:55	1859	16.0	26204	457.0	733.9	0	0	0	
2003-Jan-07	9:56	1817	16.0	26204	462.4	742.7	0	0	0	
2003-Jan-07	9:56	1877	16.0	26174	467.7	751.4	0	0	0	
2003-Jan-07	9:56	1814	16.1	26184	473.3	760.6	0	0	0	
2003-Jan-07	9:57									Started FLUSH Automatically
2003-Jan-07	9:57	1840	11.0	26184	476.4	765.8	0	0	0	
2003-Jan-07	9:57	1698	0.0	26174	476.6	769.3	0	0	0	
2003-Jan-07	9:57	1611	0.0	26494	476.6	778.1	0	0	0	
2003-Jan-07	9:57	1597	0.0	26204	476.6	786.8	0	0	0	
2003-Jan-07	9:58	1430	0.0	0	476.6	791.3	0	0	0	

Post Job Summary

Average Injection Rates, bpm

Fluid	N2	CO2	Maximum Rate
14	26200	0	16

Volume of Fluid Injected, bbl

Clean Fluid	Acid	Oil	CO2	N2 (scf)
480	0		0	851550

Treating Pressure Summary, psi

Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP
	1923	1864	1806	1424	

Quantity of & placed, lb

Total Injected	Total Ordered/Designed
0	

N2 Percent	CO2 Percent	Designed Fluid Volume	Displacement	Slurry Volume	Pad Volume	Percent Pad
80 %	0 %	21000 gal	61.3 bbl	bbl	gal	%

Customer or Authorized Representative	Schlumberger Supervisor	Number of Stages	Fracture Gradient	
Lewis, Richard	Vela Jr, Eusebio	2	psi/ft	☑ Job Completed ☐ Screen Out

ORIGINAL

Well	Field	Service Date	Customer	Job Number
BROWN #8-10		2003-Jan-07	EXXON MOBIL CORPORATION	2205541229

Date	Time	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	Message
	24 hr clock	psi	bbl/min	scf/min	bbl	Mscf	0	0	0	
2003-Jan-07	9:34	1849	16.2	25923	109.0	166.0	0	0	0	
2003-Jan-07	9:34	1890	16.2	26094	114.4	174.7	0	0	0	
2003-Jan-07	9:34	1879	16.2	26084	119.8	183.4	0	0	0	
2003-Jan-07	9:35	1930	16.1	26134	125.2	192.1	0	0	0	
2003-Jan-07	9:35	1875	16.2	26154	130.6	200.9	0	0	0	
2003-Jan-07	9:35	1908	16.2	26164	136.0	209.6	0	0	0	
2003-Jan-07	9:36	1912	16.1	26144	141.4	218.3	0	0	0	
2003-Jan-07	9:36	1893	16.1	26174	146.8	227.1	0	0	0	
2003-Jan-07	9:36	1928	16.2	26164	152.2	235.8	0	0	0	
2003-Jan-07	9:37	1890	16.2	26174	157.6	244.5	0	0	0	
2003-Jan-07	9:37	1927	16.2	26184	163.0	253.3	0	0	0	
2003-Jan-07	9:37	1905	16.2	26194	168.4	262.0	0	0	0	
2003-Jan-07	9:38	1886	16.2	26244	173.8	270.8	0	0	0	
2003-Jan-07	9:38	1915	16.3	26204	179.2	279.5	0	0	0	
2003-Jan-07	9:38	1923	16.2	26464	184.6	288.3	0	0	0	
2003-Jan-07	9:39	1887	16.2	26204	190.0	297.0	0	0	0	
2003-Jan-07	9:39	1910	16.1	26164	195.4	305.8	0	0	0	
2003-Jan-07	9:39	1872	16.0	26164	200.7	314.5	0	0	0	
2003-Jan-07	9:40	1847	16.0	26174	206.1	323.2	0	0	0	
2003-Jan-07	9:40	1839	16.0	26164	211.4	332.0	0	0	0	
2003-Jan-07	9:40	1836	15.9	26174	216.7	340.7	0	0	0	
2003-Jan-07	9:41	1855	16.0	26194	222.1	349.4	0	0	0	
2003-Jan-07	9:41	1874	16.0	26234	227.4	358.2	0	0	0	
2003-Jan-07	9:41	1860	16.0	26204	232.7	366.9	0	0	0	
2003-Jan-07	9:42	1826	16.0	26204	238.0	375.7	0	0	0	
2003-Jan-07	9:42	1796	16.0	26454	243.4	384.4	0	0	0	
2003-Jan-07	9:42	1843	16.1	26224	248.7	393.2	0	0	0	
2003-Jan-07	9:43	1828	16.0	26224	254.1	401.9	0	0	0	
2003-Jan-07	9:43	1798	16.0	26484	259.4	410.7	0	0	0	
2003-Jan-07	9:43	1841	16.0	26494	264.7	419.4	0	0	0	
2003-Jan-07	9:44	1761	16.0	26404	270.1	428.2	0	0	0	
2003-Jan-07	9:44	1832	16.0	26394	275.4	436.9	0	0	0	
2003-Jan-07	9:44	1818	16.0	26394	280.7	445.6	0	0	0	
2003-Jan-07	9:45	1803	16.0	26404	286.1	454.4	0	0	0	
2003-Jan-07	9:45	1831	16.0	26414	291.4	463.1	0	0	0	
2003-Jan-07	9:45	1793	16.0	26104	296.8	471.8	0	0	0	
2003-Jan-07	9:46	1832	16.0	26144	302.1	480.5	0	0	0	
2003-Jan-07	9:46	1775	16.1	26144	307.4	489.3	0	0	0	
2003-Jan-07	9:46	1843	16.0	26144	312.8	498.0	0	0	0	
2003-Jan-07	9:47	1781	16.0	26154	318.1	506.7	0	0	0	
2003-Jan-07	9:47	1834	16.0	26154	323.5	515.5	0	0	0	
2003-Jan-07	9:47	1780	16.0	26154	328.8	524.2	0	0	0	
2003-Jan-07	9:48	1840	16.0	26154	334.1	532.9	0	0	0	
2003-Jan-07	9:48	1787	16.0	26174	339.5	541.7	0	0	0	
2003-Jan-07	9:48	1848	16.1	26154	344.8	550.4	0	0	0	
2003-Jan-07	9:49	1783	16.0	26194	350.2	559.1	0	0	0	
2003-Jan-07	9:49	1843	16.0	26164	355.5	567.9	0	0	0	
2003-Jan-07	9:49	1774	16.0	26164	360.8	576.6	0	0	0	
2003-Jan-07	9:50	1848	16.0	26164	366.2	585.3	0	0	0	
2003-Jan-07	9:50	1797	16.1	26194	371.5	594.1	0	0	0	
2003-Jan-07	9:50	1847	16.0	26164	376.9	602.8	0	0	0	
2003-Jan-07	9:51	1832	16.0	26434	382.2	611.5	0	0	0	
2003-Jan-07	9:51	1854	16.0	26164	387.6	620.3	0	0	0	
2003-Jan-07	9:51	1826	16.0	26184	392.9	629.0	0	0	0	