

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: (713) 431-1701
 Contractor: Name: Schlumberger
 License: N.A.
 Wellsite Geologist: N.A.
 Designate Type of Completion:
 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: Kansas University, Well# 2
 Original Comp. Date: 12-5-97 Original Total Depth: 2935
 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. _____
10-29-99 11-8-97 11-4-99
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 189-222500001
 County: Stevens
 SW - NE - SE _____ Sec. 29 Twp. 33 S. R. 35 East West
1500 feet from S / N (circle one) Line of Section
1250 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Kansas University Well #: 2
 Field Name: Hugoton
 Producing Formation: Chase
 Elevation: Ground: 2997 Kelly Bushing: 3006
 Total Depth: 2935 Plug Back Total Depth: 2888
 Amount of Surface Pipe Set and Cemented at 754 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 _____ w/ _____ sx cmt.

RECEIVED
MAY 19 2003
KCC WICHITA

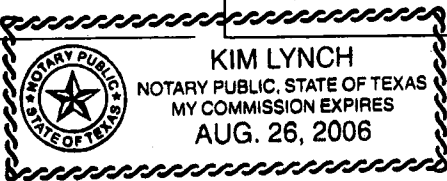
Drilling Fluid Management Plan OWWO KGR 1-29-08
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ 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: 5/14/03
 Subscribed and sworn to before me this 14th 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: Kansas University Well #: 2
 Sec. 29 Twp. 33 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:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Herington	2666'	- 2676'
U. Krider	2690'	- 2720'
L. Krider	2755'	- 2765'
Winfield	2774'	- 2795'

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	12.250	8.625	24#	754	Class C	390	50:50 C/poz
Production	7.875	5.500	14#	2922	Class C	325	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	2690' - 2795'	Frac'd Well with 990,460 scf of 80Q N2 foam @ 80 BPM.	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	4.7# @ 2740'		<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 Vented Sold Used on Lease (If vented, Sumit ACO-18.)

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

Production Interval _____

Stimulation Service Report



Schlumberger Dowell		Customer MOBIL DRILLING V390500757A				Job Number 20130821	
Well KANSAS UNIVERSITY 1-2		Location (legal) 29, 33S, 35W		Dowell Location Ulysses, KS		Job Start 11/01/1999	
Field HUGOTON		Formation Name/Type Chase		Deviation 0 °		Well MD 2,888 ft	
County Stevens		State/Province KS		BitSize: 0 in		Well TVD 2,888 ft	
Rig Name Key Energy		Drilled For Gas		Service Via Land		Casing	
Offshore Zone		Well Class New		Well Type Rigless		Perforated Intervals	
Primary Treating Fluid 80Q Foam		Polymer Loading 20 lb/1000gal		Fluid Density lb/gal		Tubing	
Service Line Fracturing		Job Type Frac.N2Foam/Energized		Depth		Grade	
Max. Allowed Tubing Pressure 2500 psi		Max. Allowed Ann. Pressure 0 psi		Wellhead Connection 5 1/2 X 4 Swage		Thread	
Service Instructions Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions. 42 miles on equipment.				Top, ft 2730		Bottom, ft 2795	
				spf 0		No. of Shots 0	
				Total Interval 65 ft		Diameter 0 in	
				Treat Down Casing		Displacement 0 bbl	
				Packer Type		Packer Depth 0 ft	
Job Scheduled For: 11/01/1999 6:00		Arrived on Location: 11/01/1999 6:00		Leave Location: 11/01/1999 10:00		OpenHoleVol 0 bbl	
						Tubing Vol. 0 bbl	
						CasingVol. 0 bbl	
						AnnularVol. 0 bbl	

Time	BH Foam Q	BHinj Rate	Nitrogen Rate	Total Flowrate	Total Volume	Treating Psi	Message		
24 hr clock	%	bpm	scfm	bpm	bbl	psi			
8:13	0	0	0	0	0	0	0	0	START ACQUISITION
8:13	0.	0.	0.	0.	0.	-3397	0	0	
8:14	0.	0.	0.	0.	0.094	3393	0	0	
8:15	0.	0.	0.	0.	0.094	3196	0	0	
8:15	0.	0.	0.	0.	0.094	3196	0	0	Pressure Test Lines
8:16	0.	0.	0.	0.	0.094	3178	0	0	
8:17	0.	0.	0.	0.	0.094	3178	0	0	Start N2 tach rates
8:17	0.	0.	0.	0.	0.094	3178	0	0	[Total N2 Rate]=F[Total N2 Rate 2]
8:17	100.	0.009	4.	0.	0.094	3168	0	0	
8:18	100.	0.009	4.	0.	0.094	3168	0	0	STOP ACQUISITION
8:19	0.	0.	0.	0.	0.	-3397	0	0	
8:33	0.	0.	0.	0.	0.	-3397	0	0	START ACQUISITION
8:33	0.	0.912	0.	0.912	0.015	45.79	0	0	
8:34	0.	0.912	0.	0.912	0.015	45.79	0	0	[Total N2 Rate]=F[Total N2 Rate 2]
8:34	0.	0.912	0.	0.912	0.015	45.79	0	0	Start N2 tach rates
8:34	85.46	59.13	21424	8.6	5.13	288.5	0	0	
8:35	89.57	68.68	26084	7.16	13.2	718.9	0	0	
8:36	89.06	69.07	26084	7.56	20.19	842.5	0	0	
8:37	87.7	70.95	26384	8.73	29.01	1021	0	0	
8:38	80.04	80.92	27460	16.15	44.44	1328	0	0	
8:39	78.78	76.12	25428	16.15	60.68	1621	0	0	
8:40	78.75	76.02	25384	16.15	76.91	1777	0	0	
8:41	78.92	76.63	25644	16.15	93.2	1795	0	0	
8:42	80.03	81.54	27668	16.28	109.5	1772	0	0	
8:43	79.93	81.79	27720	16.41	125.9	1662	0	0	
8:44	80.28	81.9	27876	16.15	142.3	1662	0	0	
8:45	80.02	80.83	27424	16.15	158.4	1671	0	0	
8:46	80.	80.77	27396	16.15	174.6	1703	0	0	

Well	Field	Service Date	Customer	Job Number					
KANSAS UNIVERSITY #1-2	HUGOTON		MOBIL DRILLING V39050075	20130821					
Time	BH Foam Q	BH Inj Rate	Nitrogen Rate	Total Flowrate	Total Volume	Treating Psi	Message		
24 hr clock	%	bpm	scfm	bpm	bbl	psi	ORIGINAL		
8:47	80.17	80.81	27472	16.02	190.7	1699	0	0	
8:48	80.17	80.8	27464	16.02	206.9	1745	0	0	
8:49	80.06	80.34	27272	16.02	223	1703	0	0	
8:50	80.	80.75	27388	16.15	239.1	1667	0	0	
8:51	80.17	80.78	27456	16.02	255.3	1680	0	0	
8:52	80.17	80.81	27472	16.02	271.4	1699	0	0	
8:53	80.2	80.92	27516	16.02	287.5	1653	0	0	
8:54	79.84	80.13	27128	16.15	303.7	1703	0	0	
8:55	80.03	80.23	27224	16.02	319.8	1690	0	0	
8:56	80.05	80.31	27260	16.02	335.9	1680	0	0	
8:57	80.09	80.47	27324	16.02	352.1	1648	0	0	
8:58	79.99	80.74	27384	16.15	368.2	1676	0	0	
8:59	80.	80.75	27388	16.15	384.4	1758	0	0	
9:00	79.99	80.73	27380	16.15	400.6	1717	0	0	
9:01	80.12	80.59	27376	16.02	416.7	1708	0	0	
9:02	80.07	80.41	27300	16.02	432.9	1694	0	0	
9:03	79.98	80.68	27360	16.15	449	1639	0	0	
9:04	80.11	80.55	27360	16.02	465.2	1703	0	0	
9:05	79.98	80.68	27360	16.15	481.3	1644	0	0	
9:06	80.11	80.55	27360	16.02	497.4	1653	0	0	
9:07	80.	80.77	27400	16.15	513.6	1694	0	0	
9:08	80.17	80.8	27468	16.02	529.7	1708	0	0	
9:09	80.17	80.81	27472	16.02	545.9	1758	0	0	
9:10	0.	16.15	0.	16.15	562.	1548	0	0	
9:11	0.	0.	0.	0.	562.6	1076	0	0	
9:12	0.	0.	0.	0.	562.6	1039	0	0	
9:13	0.	0.	0.	0.	562.6	1026	0	0	
9:14	0.	0.	0.	0.	562.6	1012	0	0	
9:15	0.	0.	0.	0.	562.6	1003	0	0	
9:16	0.	0.	0.	0.	562.6	993.6	0	0	
9:17	0.	0.	0.	0.	562.6	984.4	0	0	
9:18	0.	0.	0.	0.	562.6	975.3	0	0	
9:19	0.	0.	0.	0.	562.6	970.7	0	0	
9:20	0.	0.	0.	0.	562.6	961.5	0	0	
9:21	0.	0.	0.	0.	562.6	957.	0	0	
9:22	0.	0.	0.	0.	562.6	947.8	0	0	
9:23	0.	0.	0.	0.	562.6	943.2	0	0	
9:24	0.	0.	0.	0.	562.6	938.6	0	0	
9:25	0.	0.	0.	0.	562.6	929.5	0	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)					
16	27200	0	16	562	0	0	0	990460					
Treating Pressure Summary, psi					Quantity of & placed, lb								
Breakdown	Maximum	Final	Average	ISIP	16 Min. ISIP	Total Injected	Total Ordered/Designed						
0	1830	1719	1700	1172	897	0	0						
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad	
0%		0%		100000 gal		0 bbl		562 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				Dave Brawley			0		0 psi/ft				

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: (713) 431-1701
Contractor: Name: Key Energy
License: N. A.
Wellsite Geologist: N. A.

Designate Type of Completion:
____ New Well ____ Re-Entry Workover *(Add Perf to Refrac)*
____ 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: KANSAS UNIV #1 UNIT, WELL #2
Original Comp. Date: 12-5-97 Original Total Depth: 2935
____ 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. _____
10-29-99 11-8-97 11-4-99
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 189-22250-0002
County: Stevens
SW-NE-SE Sec. 29 Twp. 33 S. R. 35 East West
1500 feet from (S) N (circle one) Line of Section
1250 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: KANSAS UNIV #1 UNIT Well #: 2
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 2997 Kelly Bushing: 3006
Total Depth: 2935 Plug Back Total Depth: 2888
Amount of Surface Pipe Set and Cemented at 754 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.

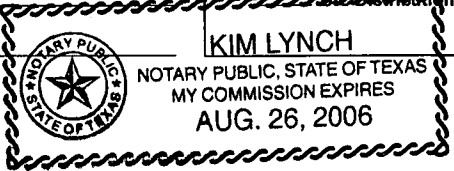
Drilling Fluid Management Plan *OWWO. KCR 1-18-08*
(Data must be collected from the Reserve Pit)
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Qua KANSAS CORPORATION COMMISSION S. R. East West
County: _____ Docket No.: _____
RECEIVED
MAY 28 2003

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 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



Operator Name: Exxon Mobil Oil Corporation * Lease Name: KANSAS UNIV #1 UNIT Well #: 2
 Sec. 29 Twp. 33 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 <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>U. KRIDER</td> <td>2690'</td> <td>2720'</td> </tr> <tr> <td>L KRIDER</td> <td>2755'</td> <td>2765'</td> </tr> <tr> <td>WINFIELD</td> <td>2774'</td> <td>2795'</td> </tr> </table>	Name	Top	Datum	U. KRIDER	2690'	2720'	L KRIDER	2755'	2765'	WINFIELD	2774'	2795'
Name	Top	Datum											
U. KRIDER	2690'	2720'											
L KRIDER	2755'	2765'											
WINFIELD	2774'	2795'											

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#	754	CLASS C	390	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2922	CLASS C	225, 100	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 <i>(Amount and Kind of Material Used)</i>	Depth
4 spf	2690' - 2795'	FRAC'D WELL W/ 990,460 scf	
		80Q N2 foam @ plus/minus 80 BPM	

TUBING RECORD	Size <u>2 3/8 - 4.7#</u>	Set At <u>@2740</u>	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 Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

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

Production Interval _____

Stimulation Service Report

Schlumberger

Dowell

Customer

MOBIL DRILLING V390500757A

Job Number

20130821

Well		Location (legal)			Dowell Location		Job Start	
KANSAS UNIVERSITY 1-2		29, 33S, 35W			Ulysses, KS		11/01/1999	
Field	Formation Name/Type		Deviation	BitSize:	Well MD	Well TVD		
HUGOTON	Chase		0 °	0 in	2,888 ft	2,888 ft		
County	State/Province		BHP	BHST	BHCT	Pore Pres Gradient		
Stevens	KS		0 psi	95 °F	85 °F	0 psi/ft		
Rig Name	Drilled For	Service Via		Casing				
Key Energy	Gas	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class	Well Type		2888	5.5	14		
	New	Rigless		0	0	0		
Primary Treating Fluid	Polymer Loading	Fluid Density		Tubing				
80Q Foam	20 lb/1000gal	lb/gal		Depth,	Size, in	Weight, lb/ft	Grade	Thread
				0	0	0		
Service Line	Job Type		Perforated Intervals					
Fracturing	Frac.N2Foam/Energized		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
			2730	2795	0	0	65 ft	
Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection		Diameter				
2500 psi	0 psi	5 1/2 X 4 Swage		0 in				
Service Instructions			Treat Down		Displacement	Packer Type	Packer Depth	
Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions. 42 miles on equipment.			Casing		0 bbl		0 ft	
			Tubing Vol.		CasingVol.	AnnularVol.	OpenHoleVol	
			11/01/1999 6:00		11/01/1999 6:00	11/01/1999 10:00	0 bbl	0 bbl
Time	BH Foam Q	BHinj Rate	Nitrogen Rate	Total Flowrate	Total Volume	Treating Psi	Message	
24 hr clock	%	bpm	scfm	bpm	bbl	psi		
8:13	0	0	0	0	0	0	START ACQUISITION	
8:13	0.	0.	0.	0.	0.	3397		
8:14	0.	0.	0.	0.	0.094	3393		
8:15	0.	0.	0.	0.	0.094	3196		
8:15	0.	0.	0.	0.	0.094	3196	Pressure Test Lines	
8:16	0.	0.	0.	0.	0.094	3178		
8:17	0.	0.	0.	0.	0.094	3178	Start N2 tach rates	
8:17	0.	0.	0.	0.	0.094	3178	[Total N2 Rate]=F[Total N2 Rate 2]	
8:17	100.	0.009	4.	0.	0.094	3168		
8:18	100.	0.009	4.	0.	0.094	3168	STOP ACQUISITION	
8:19	0.	0.	0.	0.	0.	3397		
8:33	0.	0.	0.	0.	0.	3397	START ACQUISITION	
8:33	0.	0.912	0.	0.912	0.015	45.79		
8:34	0.	0.912	0.	0.912	0.015	45.79	[Total N2 Rate]=F[Total N2 Rate 2]	
8:34	0.	0.912	0.	0.912	0.015	45.79	Start N2 tach rates	
8:34	85.46	59.13	21424	8.6	5.13	288.5		
8:35	89.57	68.68	26084	7.16	13.2	718.9		
8:36	89.06	69.07	26084	7.56	20.19	842.5	RECEIVED KANSAS CORPORATION COMMISSION MAY 28 2003	
8:37	87.7	70.95	26384	8.73	29.01	1021		
8:38	80.04	80.92	27460	16.15	44.44	1328		
8:39	78.78	76.12	25428	16.15	60.68	1621		
8:40	78.75	76.02	25384	16.15	76.91	1777	CONSERVATION DIVISION WICHITA, KS	
8:41	78.92	76.63	25644	16.15	93.2	1795		
8:42	80.03	81.54	27668	16.28	109.5	1772		
8:43	79.93	81.79	27720	16.41	125.9	1662		
8:44	80.28	81.9	27876	16.15	142.3	1662		
8:45	80.02	80.83	27424	16.15	158.4	1671		
8:46	80.	80.77	27396	16.15	174.6	1703		

Well	Field	Service Date	Customer	Job Number					
KANSAS UNIVERSITY #1-2	HUGOTON		MOBIL DRILLING V3905007E	20130821					
Time	BH Foam Q	BHinj Rate	Nitrogen Rate	Total Flowrate	Total Volume	Treating Psi			Message
24 hr clock	%	bpm	scfm	bpm	bbl	psi			
8:47	80.17	80.81	27472	16.02	190.7	1699	0	0	
8:48	80.17	80.8	27464	16.02	206.9	1745	0	0	
8:49	80.06	80.34	27272	16.02	223	1703	0	0	
8:50	80.	80.75	27388	16.15	239.1	1667	0	0	
8:51	80.17	80.78	27456	16.02	255.3	1680	0	0	
8:52	80.17	80.81	27472	16.02	271.4	1699	0	0	
8:53	80.2	80.92	27516	16.02	287.5	1653	0	0	
8:54	79.84	80.13	27128	16.15	303.7	1703	0	0	
8:55	80.03	80.23	27224	16.02	319.8	1690	0	0	
8:56	80.05	80.31	27260	16.02	335.9	1680	0	0	
8:57	80.09	80.47	27324	16.02	352.1	1648	0	0	
8:58	79.99	80.74	27384	16.15	368.2	1676	0	0	
8:59	80.	80.75	27388	16.15	384.4	1758	0	0	
9:00	79.99	80.73	27360	16.15	400.6	1717	0	0	
9:01	80.12	80.59	27376	16.02	416.7	1708	0	0	
9:02	80.07	80.41	27300	16.02	432.9	1694	0	0	
9:03	79.98	80.68	27360	16.15	449.	1639	0	0	
9:04	80.11	80.55	27360	16.02	465.2	1703	0	0	
9:05	79.98	80.68	27360	16.15	481.3	1644	0	0	
9:06	80.11	80.55	27360	16.02	497.4	1653	0	0	
9:07	80.	80.77	27400	16.15	513.6	1694	0	0	
9:08	80.17	80.8	27468	16.02	529.7	1708	0	0	
9:09	80.17	80.81	27472	16.02	545.9	1758	0	0	
9:10	0.	16.15	0.	16.15	562.	1548	0	0	
9:11	0.	0.	0.	0.	562.6	1076	0	0	
9:12	0.	0.	0.	0.	562.6	1039	0	0	
9:13	0.	0.	0.	0.	562.6	1026	0	0	
9:14	0.	0.	0.	0.	562.6	1012	0	0	
9:15	0.	0.	0.	0.	562.6	1003	0	0	
9:16	0.	0.	0.	0.	562.6	993.6	0	0	
9:17	0.	0.	0.	0.	562.6	984.4	0	0	
9:18	0.	0.	0.	0.	562.6	975.3	0	0	
9:19	0.	0.	0.	0.	562.6	970.7	0	0	
9:20	0.	0.	0.	0.	562.6	961.5	0	0	
9:21	0.	0.	0.	0.	562.6	957.	0	0	
9:22	0.	0.	0.	0.	562.6	947.8	0	0	
9:23	0.	0.	0.	0.	562.6	943.2	0	0	
9:24	0.	0.	0.	0.	562.6	938.6	0	0	
9:25	0.	0.	0.	0.	562.6	929.5	0	0	

ORIGINAL

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAY 28 2003
 CONSERVATION DIVISION
 WICHITA, KS

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	562	0	0	0	990460					
Treating Pressure Summary, psi					Quantity of & placed, lb								
Breakdown	Maximum	Final	Average	ISIP	16 Min. ISIP	Total Injected	Total Ordered/Designed						
0	1830	1719	1700	1172	897	0	0						
N2 Percent		CO2 Percent		Designed Fluid Volume		Displacement		Slurry Volume		Pad Volume		Percent Pad	
0%		0%		100000 gal		0 bbl		562 bbl		0 gal		0 %	
Customer or Authorized Representative				Dowell Supervisor		Number of Stages		Fracture Gradient		Job Completed			
John Rice				Dave Brawley		0		0 psi/ft		<input checked="" type="checkbox"/> Job Completed <input type="checkbox"/> Screen Out			