

CONFIDENTIAL

RECEIVED

JUL 08 2005

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

KCC WICHITA

Form ACO-1

September 1999

WELL COMPLETION FORM

Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Pending
Operator Contact Person: Greg Rowe
Phone: (620) 629-4200
Contractor: Name: Cheyenne Drilling, LP
License: 33375
Wellsite Geologist: NA
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: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 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. _____
03/15/05 03/17/05 06/09/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-21967-0000
County: Seward
NW - NW - SE - SE Sec 24 Twp. 32 S. R. 33W
1250 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: Baughman L Well #: 2
Field Name: Hugoton Chase
Producing Formation: Chase
Elevation: Ground: 2777 Kelly Bushing: 2784
Total Depth: 2850 Plug Back Total Depth: 2797
Amount of Surface Pipe Set and Cemented at 1300 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I WITH
4-23-07
(Data must be collected from the Reserve Pit)
Chloride content 16000 mg/l ppm Fluid volume 800 bbls
Dewatering method used Evaporation
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 6702, 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.

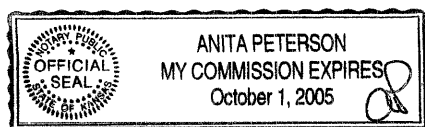
Signature: Walter Gardner
Title: Capital Project Date July 7, 2005
Subscribed and sworn to before me this 7th day of July
20 05
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

KCC Office Use Only
YES Letter of Confidentiality Attached
If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution



X

Side Two

Operator Name: OXY USA Inc. Lease Name: Baughman L Well #: 2
 Sec. 24 Twp. 32 S. R. 33W East West County: Seward

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Sonic Induction Neutron TracerScan CBL	<input checked="" 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>Hollenberg</td> <td>2538</td> <td>246</td> </tr> <tr> <td>Herrington</td> <td>2567</td> <td>217</td> </tr> <tr> <td>Paddock</td> <td>2583</td> <td>201</td> </tr> <tr> <td>Krider</td> <td>2602</td> <td>181</td> </tr> <tr> <td>ODell</td> <td>2635</td> <td>149</td> </tr> <tr> <td>Winfield</td> <td>2649</td> <td>135</td> </tr> <tr> <td>Gage</td> <td>2682</td> <td>102</td> </tr> </table> (See Side Three)	Name	Top	Datum	Hollenberg	2538	246	Herrington	2567	217	Paddock	2583	201	Krider	2602	181	ODell	2635	149	Winfield	2649	135	Gage	2682	102
Name	Top	Datum																							
Hollenberg	2538	246																							
Herrington	2567	217																							
Paddock	2583	201																							
Krider	2602	181																							
ODell	2635	149																							
Winfield	2649	135																							
Gage	2682	102																							

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
Conductor					C		
Surface	12 1/4	8 5/8	24	1300	C	445	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	10.5	2850	C	200	35/65 Poz + Additives
					H	175	50/50 Poz + Additives

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	2656-2661	Acidize - 12 bbls 17% HCL-FE	
4	2603-2619	Acidize - 38 bbls 17% HCL-FE	
		Frac - 106 bbls 30# Linear Gel, 48 bbls 16/30 Sand	
4	2538-2547	Acidize 150 gls 15% HCL	
		(See Side Three)	

TUBING RECORD	Size 2 3/8	Set At 2700	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. WO Pipeline		Producing Method <input type="checkbox"/> Flowing <input checked="" 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, Submit ACO-18)

Other (Specify) _____

CONFIDENTIAL

Side Three

ORIGINAL

Operator Name: OXY USA Inc. Lease Name: Baughman L Well #: 2

Sec. 24 Twp. 32 S. R. 33W East West County: Seward

Name	Top	Datum
Towanda	2701	83
B/TWND	2753	31
Fort Riley	2759	25

KCC
JUL 07 2005
CONFIDENTIAL

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
		Divera Frac – 13,559 gls Clearfrac LT, 17,800# 100	
		Mesh Sand, 52,848 gls Clearfrac LT 75QN2, 113,216#	
		12/20 Sand	
4	2568-2571, 2576-2582		

RECEIVED
JUL 08 2005
KCC WICHITA

CONFIDENTIAL

ORIGINAL

Well		Field			Service Date		Customer		Job Number
BAUGHMAN L #2		HUGOTON			0577-Mar-18		OXY USA, INC.		2205547838
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl	0	
2005-Mar-18	0:31	229	6.0	14.5	8.37	6.0	14.8	0	KCC JUL 07 2005
2005-Mar-18	0:31	238	6.1	17.5	8.38	6.3	17.8	0	
2005-Mar-18	0:32	247	6.1	20.6	8.38	6.2	21.0	0	
2005-Mar-18	0:32								CONFIDENTIAL
2005-Mar-18	0:32	124	2.5	23.3	8.83	3.7	23.9	0	End Wash
2005-Mar-18	0:32	142	2.5	23.4	8.92	3.2	23.9	0	
2005-Mar-18	0:32	146	2.5	23.4	9.02	3.0	24.0	0	
2005-Mar-18	0:32								Reset Total, Vol = 23.40 bbl
2005-Mar-18	0:32	114	2.5	0.1	9.31	2.6	0.1	0	
2005-Mar-18	0:32								Start Mixing Lead Slurry
2005-Mar-18	0:33	110	2.5	1.2	11.43	2.4	1.2	0	
2005-Mar-18	0:33	151	4.1	2.7	12.03	4.0	2.5	0	
2005-Mar-18	0:34	211	5.1	5.0	12.35	4.9	4.8	0	
2005-Mar-18	0:34	192	5.8	7.6	12.40	5.7	7.3	0	
2005-Mar-18	0:35	165	5.8	10.6	12.24	5.9	10.3	0	
2005-Mar-18	0:35	142	5.7	13.5	12.23	5.9	13.3	0	
2005-Mar-18	0:36	124	5.8	16.4	12.19	5.9	16.2	0	
2005-Mar-18	0:36	128	5.8	19.3	12.17	5.9	19.2	0	
2005-Mar-18	0:37	119	5.8	22.2	12.18	6.0	22.1	0	
2005-Mar-18	0:37	124	5.8	25.1	12.22	5.8	25.1	0	
2005-Mar-18	0:38	316	6.3	27.8	12.24	5.2	27.8	0	
2005-Mar-18	0:38	137	6.0	30.8	12.14	6.1	30.8	0	
2005-Mar-18	0:39	137	5.9	33.8	12.21	6.0	33.8	0	
2005-Mar-18	0:39	133	5.9	36.8	12.16	5.9	36.8	0	
2005-Mar-18	0:40	137	5.9	39.7	12.13	6.0	39.8	0	
2005-Mar-18	0:40	137	5.9	42.7	12.13	6.0	42.8	0	
2005-Mar-18	0:41	137	6.0	45.7	12.14	5.9	45.8	0	
2005-Mar-18	0:41	142	5.9	48.7	12.16	6.0	48.8	0	
2005-Mar-18	0:42	142	6.0	51.7	12.08	6.0	51.8	0	
2005-Mar-18	0:42	137	6.0	54.7	12.00	6.0	54.8	0	
2005-Mar-18	0:43	142	6.1	57.7	11.90	6.0	57.8	0	
2005-Mar-18	0:43	146	6.1	60.7	11.90	6.0	60.8	0	
2005-Mar-18	0:44	137	5.7	63.7	11.92	6.0	63.8	0	
2005-Mar-18	0:44	110	5.2	66.4	12.00	5.3	66.5	0	
2005-Mar-18	0:45	110	5.2	69.0	12.09	5.2	69.1	0	
2005-Mar-18	0:45	114	5.2	71.6	12.22	5.3	71.7	0	
2005-Mar-18	0:46	124	5.2	74.2	12.27	5.3	74.3	0	
2005-Mar-18	0:46	119	5.2	76.3	12.19	5.3	76.4	0	
2005-Mar-18	0:46								End Lead Slurry
2005-Mar-18	0:46	119	5.3	76.4	12.21	5.3	76.5	0	
2005-Mar-18	0:46								Reset Total, Vol = 76.42 bbl
2005-Mar-18	0:46	119	5.3	0.2	12.22	5.2	0.2	0	
2005-Mar-18	0:46								Start Mixing Tail Slurry
2005-Mar-18	0:46	124	5.2	0.5	12.24	5.3	0.5	0	
2005-Mar-18	0:47	128	5.2	3.1	12.40	5.2	3.1	0	
2005-Mar-18	0:47	55	2.5	5.0	13.46	2.9	5.2	0	
2005-Mar-18	0:48	50	2.9	6.3	13.85	2.7	6.5	0	
2005-Mar-18	0:48	151	4.6	8.3	13.84	4.5	8.3	0	
2005-Mar-18	0:49	110	4.4	10.4	13.82	3.7	10.3	0	
2005-Mar-18	0:49	128	5.0	13.0	13.88	3.8	12.3	0	
2005-Mar-18	0:50	288	6.4	16.0	13.88	6.3	15.0	0	
2005-Mar-18	0:50	179	4.9	18.6	13.84	4.7	17.5	0	
2005-Mar-18	0:51	174	4.9	21.1	13.94	4.7	19.9	0	
2005-Mar-18	0:51	169	4.9	23.5	13.89	4.7	22.2	0	

CONFIDENTIAL

ORIGINAL

Well		Field			Service Date		Customer		Job Number	
BAUGHMAN L #2		HUGOTON			0577-Mar-18		OXY USA, INC.		2205547838	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl			
2005-Mar-18	0:52	160	4.9	25.9	13.86	4.8	24.6	0	0	KCC JUL 07 2005 CONFIDENTIAL
2005-Mar-18	0:52	151	4.9	28.4	13.83	4.8	26.9	0	0	
2005-Mar-18	0:53	151	4.8	30.8	13.78	4.7	29.3	0	0	
2005-Mar-18	0:53	151	4.9	33.2	13.78	4.7	31.6	0	0	
2005-Mar-18	0:54	156	4.9	35.7	13.85	4.7	34.0	0	0	
2005-Mar-18	0:54	156	4.8	38.1	13.88	4.7	36.3	0	0	
2005-Mar-18	0:55	160	4.9	40.5	13.82	4.6	38.6	0	0	
2005-Mar-18	0:55	151	4.9	43.0	13.79	4.7	40.9	0	0	
2005-Mar-18	0:56	151	4.8	45.4	13.78	4.7	43.3	0	0	
2005-Mar-18	0:56	137	4.4	47.6	13.75	4.2	45.4	0	0	
2005-Mar-18	0:57	114	3.7	49.8	13.92	4.0	47.5	0	0	
2005-Mar-18	0:57	55	2.5	51.3	14.16	1.8	48.8	0	0	
2005-Mar-18	0:58	55	3.2	52.5	14.03	2.3	49.9	0	0	
2005-Mar-18	0:58	105	3.6	54.4	14.03	3.4	51.5	0	0	
2005-Mar-18	0:59	0	0.0	56.0	14.01	1.2	53.1	0	0	
2005-Mar-18	0:59									End Tail Slurry
2005-Mar-18	0:59	0	0.0	56.0	13.98	0.1	53.2	0	0	
2005-Mar-18	0:59	-5	0.0	56.0	13.98	0.1	53.2	0	0	
2005-Mar-18	0:59									Reset Total, Vol = 55.95 bbl
2005-Mar-18	0:59	-9	0.0	0.0	13.98	0.0	0.0	0	0	
2005-Mar-18	1:00	-5	0.0	0.0	13.98	0.0	0.0	0	0	
2005-Mar-18	1:00	-5	0.0	0.0	11.83	0.0	0.0	0	0	
2005-Mar-18	1:01	0	0.0	0.0	10.63	0.0	0.0	0	0	
2005-Mar-18	1:01	165	4.0	0.0	9.33	3.6	0.5	0	0	
2005-Mar-18	1:02	128	4.1	0.0	9.41	4.0	2.4	0	0	
2005-Mar-18	1:02	124	4.1	0.0	8.79	3.6	4.4	0	0	
2005-Mar-18	1:03	146	4.8	0.0	8.76	4.2	6.3	0	0	
2005-Mar-18	1:03	146	4.5	0.0	8.46	4.8	9.2	0	0	
2005-Mar-18	1:04	142	4.5	0.0	8.44	4.6	11.5	0	0	
2005-Mar-18	1:04	105	0.0	0.0	8.41	3.7	13.9	0	0	
2005-Mar-18	1:05	5	0.0	0.0	8.40	0.0	14.1	0	0	
2005-Mar-18	1:05	41	2.8	0.1	8.38	3.9	14.4	0	0	
2005-Mar-18	1:06	101	6.0	2.6	8.38	6.0	17.0	0	0	
2005-Mar-18	1:06	96	6.1	5.6	8.38	6.2	20.0	0	0	
2005-Mar-18	1:07	101	6.1	8.7	8.38	6.2	23.2	0	0	
2005-Mar-18	1:07	87	6.0	11.7	8.38	6.1	26.2	0	0	
2005-Mar-18	1:08	92	6.1	14.7	8.38	6.2	29.3	0	0	
2005-Mar-18	1:08	179	6.1	17.3	8.37	6.1	32.0	0	0	
2005-Mar-18	1:08									Drop Top Plug
2005-Mar-18	1:08									Start Displacement
2005-Mar-18	1:08	188	6.1	17.4	8.37	6.2	32.1	0	0	
2005-Mar-18	1:08	183	6.0	17.7	8.37	6.1	32.4	0	0	
2005-Mar-18	1:09	247	6.1	20.8	8.37	6.1	35.5	0	0	
2005-Mar-18	1:09	343	6.2	23.8	8.37	6.2	23.7	0	0	
2005-Mar-18	1:10	302	4.5	26.4	8.37	4.5	26.4	0	0	
2005-Mar-18	1:10	302	4.5	28.6	8.37	4.5	28.6	0	0	
2005-Mar-18	1:11	389	4.4	30.8	8.37	4.4	30.9	0	0	
2005-Mar-18	1:11	407	4.5	33.1	8.37	4.5	33.1	0	0	
2005-Mar-18	1:12	467	4.5	35.3	8.37	4.5	35.3	0	0	
2005-Mar-18	1:12	513	4.5	37.5	8.37	4.4	37.5	0	0	
2005-Mar-18	1:13	485	2.0	39.6	8.37	2.8	39.7	0	0	
2005-Mar-18	1:13	499	2.0	40.6	8.37	2.0	40.7	0	0	
2005-Mar-18	1:14	517	2.0	41.6	8.37	1.9	41.7	0	0	
2005-Mar-18	1:14	536	2.0	42.6	8.37	1.9	42.7	0	0	

CONFIDENTIAL

ORIGINAL

Well		Field			Service Date		Customer		Job Number	
BAUGHMAN L #2		HUGOTON			0577-Mar-18		OXY USA, INC.		2205547856	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbt/min	bbt	lb/gal	bbt/min	bbt	0	RCC JUL 07 2005	
2005-Mar-18	1:15	554	2.0	43.6	8.37	2.0	43.7	0	CONFIDENTIAL	
2005-Mar-18	1:15	1112	1.9	44.5	8.37	1.9	44.7	0		
2005-Mar-18	1:16	1913	0.0	44.7	8.37	0.0	44.9	0		
2005-Mar-18	1:16								Bump Top Plug	
2005-Mar-18	1:16	1913	0.0	44.7	8.37	0.0	44.9	0		
2005-Mar-18	1:16								End Displacement	
2005-Mar-18	1:16	1913	0.0	44.7	8.37	0.0	44.9	0		
2005-Mar-18	1:16								Reset Total, Vol = 44.67 bbl	
2005-Mar-18	1:16	1913	0.0	0.0	8.37	0.0	0.0	0		
2005-Mar-18	1:16	366	0.0	0.0	8.37	0.0	0.0	0		
2005-Mar-18	1:17	-9	0.0	0.0	8.37	0.0	0.0	0		
2005-Mar-18	1:17								End Job	
2005-Mar-18	1:17	-9	0.0	0.0	8.37	0.0	0.0	0		
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5			6	127		20				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
			1900		bbt	lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft						
%	127 bbl	44.6 bbl	°F							
Customer or Authorized Representative			Schlumberger Supervisor				<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			
Willimon, Wes			Ahrends, Timothy							

CONFIDENTIAL

KCC
JUL 07 2005

ORIGINAL

CONFIDENTIAL

Schlumberger

Date	03/18/05
Company	OXY
Job Number	2205547836
Well Name	Baughman
Well Number	L 2
County	Seward
State	KS

Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	2851	
Shoe Length	43	
Insert Depth	2808	
Hole Size	7 7/8	
Hole Depth	2850	

1st System	
200 sacks	C
2.2 yield	
12.2 weight	
12.3 water	58.6
cubic ft.	440
height	1932
bbls	78.4

Pipe Volume	45
Annular Volume	116
Total Cement	127
Total Water	133

Pipe Factor	0.0159	0.0159
Annular Factor	0.0406	
Height Factor	4.3898	

2nd System	
175 sacks	H
1.55 yield	
13.8 weight	
7.1 water	30
cubic ft.	271
height	1191
bbls	48.3

Casing lift 1882
Cement lift 779

3rd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Test 3000

0 Mud

20 Chemical Wash

78 Lead 12.2

48 Tail 13.8

44.6 Displacement

2000 Maximum Pressure

4th System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Pump Time @ 6 BPM 29 MIN



Customer OXY USA, INC.	Job Number 2205547758
----------------------------------	---------------------------------

Well BAUGHMAN L 2		Location (legal) Sec 24-T32S-R33W		Schlumberger Location Perryton, TX		Job Start 2005-Mar-16					
Field HUGOTON		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 1,300 ft	Well TVD 1,300 ft			
County SEWARD		State/Province KANSAS		BHP psi	BHST 93 °F	BHCT °F	Pore Press. Gradient psi/ft				
Well Master: 0630087588		API / UWI: 15175219670000		Casing/Liner							
Rig Name CHEYENNE 8	Drilled For Gas	Service Via Land		Depth, ft 1300	Size, in 8.63	Weight, lb/ft 24	Grade	Thread 8RD			
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe							
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread			
Service Line Cementing	Job Type Cem Surface Casing			Perforations/Open Hole							
Max. Allowed Tubing Pressure 2000 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection 8 5/8" H&SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft			
Service Instructions CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 445 SK 35:65 POZ C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 DISPLACE WITH FRESH WATER				Treat Down Casing	Displacement 80 bbl	Packer Type	Packer Depth ft				
				Tubing Vol. bbl	Casing Vol. 83 bbl	Annular Vol. 96 bbl	OpenHole Vol. 190 bbl				
				Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			
				Casing Tools				Squeeze Job			
Lift Pressure: 300 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type				
No. Centralizers: 5	Top Plugs: 1	Bottom Plugs:		Shoe Depth: 1301 ft	Tool Type:						
Cement Head Type: Single		Job Scheduled For: 2005-Mar-16 8:00		Arrived on Location: 2005-Mar-16 13:30		Stage Tool Type:	Tool Depth: ft				
Job Scheduled For: 2005-Mar-16 8:00		Arrived on Location: 2005-Mar-16 13:30		Stage Tool Depth: ft	Tail Pipe Size: in	Collar Type: Auto-Fill	Tail Pipe Depth: ft				
Job Scheduled For: 2005-Mar-16 8:00		Arrived on Location: 2005-Mar-16 13:30		Collar Depth: 1260.3 ft	Sqz Total Vol: bbl						

Date	Time	CMT RATE 24 hr clock bbl/min	CMT TREAT PRES psi	CMT STG VOL bbl	CMT DENS lb/gal	0	0	0	Message
2005-Mar-16	10:40	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:40								Start Job
2005-Mar-16	10:40	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:40	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:40								Pressure Test Lines
2005-Mar-16	10:40								Start Pumping Spacer
2005-Mar-16	10:40	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:40	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:41	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:41	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:42	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:42	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:43	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:43	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:44	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:44	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:45	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:45	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:46	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:46	0.0	0	0.0	8.30	0	0	0	
2005-Mar-16	10:47	0.0	5	0.0	8.30	0	0	0	
2005-Mar-16	10:47	0.0	5	0.0	8.30	0	0	0	

RECEIVED
JUL 08 2005
KCC WICHITA

CONFIDENTIAL

ORIGINAL

Well		Field				Service Date		Customer		Job Number
BAUGHMAN L #2		HUGOTON				0575-Mar-16		OXY USA, INC.		2205547758
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message	
	24 hr clock	bbl/min	psi	bbl	lb/gal	0	0	0		
2005-Mar-16	10:48	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:48	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:49	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:49	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:50	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:50	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:51	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:51	0.0	5	0.0	8.29	0	0	0		
2005-Mar-16	10:52	0.0	5	0.0	8.30	0	0	0		
2005-Mar-16	10:52	0.0	490	0.2	8.32	0	0	0		
2005-Mar-16	10:53	0.0	2682	0.2	8.33	0	0	0		
2005-Mar-16	10:53	0.0	2550	0.2	8.33	0	0	0		
2005-Mar-16	10:54	0.0	18	0.2	8.33	0	0	0		
2005-Mar-16	10:54	0.0	9	0.2	8.32	0	0	0		
2005-Mar-16	10:55	4.9	69	1.4	8.32	0	0	0		
2005-Mar-16	10:55	5.7	133	4.1	8.13	0	0	0		
2005-Mar-16	10:56	5.7	142	6.9	8.18	0	0	0		
2005-Mar-16	10:56	5.7	146	9.8	8.17	0	0	0		
2005-Mar-16	10:56	5.7	151	10.8	8.16	0	0	0		
2005-Mar-16	10:56								Start Mixing Lead Slurry	
2005-Mar-16	10:56	5.7	151	10.9	8.18	0	0	0		
2005-Mar-16	10:56								End Spacer	
2005-Mar-16	10:57	5.7	156	12.6	8.42	0	0	0		
2005-Mar-16	10:57								Reset Total, Vol = 13.21 bbl	
2005-Mar-16	10:57	5.7	165	13.2	9.05	0	0	0		
2005-Mar-16	10:57	5.7	197	2.3	11.45	0	0	0		
2005-Mar-16	10:58	5.7	188	5.1	11.07	0	0	0		
2005-Mar-16	10:58	5.7	82	8.0	20.50	0	0	0		
2005-Mar-16	10:59	3.9	101	10.0	8.81	0	0	0		
2005-Mar-16	10:59	5.7	156	12.7	9.40	0	0	0		
2005-Mar-16	11:00	5.7	165	15.6	10.51	0	0	0		
2005-Mar-16	11:00	5.7	179	18.5	12.99	0	0	0		
2005-Mar-16	11:01	5.7	160	21.3	13.02	0	0	0		
2005-Mar-16	11:01	5.7	156	24.2	10.95	0	0	0		
2005-Mar-16	11:02	5.7	188	27.0	12.63	0	0	0		
2005-Mar-16	11:02	5.7	188	29.9	13.88	0	0	0		
2005-Mar-16	11:03	5.7	142	32.7	-0.01	0	0	0		
2005-Mar-16	11:03	5.7	151	35.6	18.30	0	0	0		
2005-Mar-16	11:04	3.2	87	37.1	11.77	0	0	0		
2005-Mar-16	11:04	5.7	156	39.3	14.79	0	0	0		
2005-Mar-16	11:05	3.9	114	41.5	12.08	0	0	0		
2005-Mar-16	11:05	3.9	114	43.4	12.01	0	0	0		
2005-Mar-16	11:06	4.0	114	45.4	11.83	0	0	0		
2005-Mar-16	11:06	3.9	105	47.4	11.89	0	0	0		
2005-Mar-16	11:07	3.9	105	49.3	11.97	0	0	0		
2005-Mar-16	11:07	3.9	105	51.4	11.76	0	0	0		
2005-Mar-16	11:08	3.9	105	53.3	12.43	0	0	0		
2005-Mar-16	11:08	3.9	96	55.3	13.33	0	0	0		
2005-Mar-16	11:09	3.9	101	57.2	12.53	0	0	0		
2005-Mar-16	11:09	3.9	87	59.2	12.09	0	0	0		
2005-Mar-16	11:10	3.9	82	61.2	11.60	0	0	0		
2005-Mar-16	11:10	3.9	78	63.1	13.31	0	0	0		
2005-Mar-16	11:11	3.9	96	65.1	11.77	0	0	0		
2005-Mar-16	11:11	3.9	114	67.0	12.54	0	0	0		

KCC
JUL 07 2005
CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

Well		Field				Service Date		Customer		Job Number
BAUGHMAN L #2		HUGOTON				0575-Mar-16		OXY USA, INC.		2205547758
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message	
	24 hr clock	bbbl/min	psi	bbbl	lb/gal	0	0	0		
2005-Mar-16	11:12	3.9	114	69.0	12.40	0	0	0	KCC JUL 07 2005 CONFIDENTIAL	
2005-Mar-16	11:12	3.9	114	70.9	12.31	0	0	0		
2005-Mar-16	11:13	3.9	105	72.9	12.37	0	0	0		
2005-Mar-16	11:13	3.9	110	74.8	12.83	0	0	0		
2005-Mar-16	11:14	3.9	114	76.8	12.81	0	0	0		
2005-Mar-16	11:14	3.9	110	78.8	12.60	0	0	0		
2005-Mar-16	11:15	3.9	87	80.7	12.05	0	0	0		
2005-Mar-16	11:15	3.9	82	82.7	11.79	0	0	0		
2005-Mar-16	11:16	3.9	92	84.7	11.90	0	0	0		
2005-Mar-16	11:16	3.9	92	86.6	10.84	0	0	0		
2005-Mar-16	11:17	3.9	96	88.6	11.12	0	0	0		
2005-Mar-16	11:17	3.9	96	90.6	15.17	0	0	0		
2005-Mar-16	11:18	3.9	101	92.5	11.85	0	0	0		
2005-Mar-16	11:18	3.9	101	94.5	11.67	0	0	0		
2005-Mar-16	11:19	3.9	101	96.4	12.43	0	0	0		
2005-Mar-16	11:19	3.9	101	98.4	12.00	0	0	0		
2005-Mar-16	11:20	3.9	110	100.3	12.08	0	0	0		
2005-Mar-16	11:20	3.9	110	102.3	12.21	0	0	0		
2005-Mar-16	11:21	3.9	105	104.3	12.81	0	0	0		
2005-Mar-16	11:21	3.9	105	106.2	13.16	0	0	0		
2005-Mar-16	11:22	3.9	101	108.2	13.44	0	0	0		
2005-Mar-16	11:22	3.9	105	110.1	12.34	0	0	0		
2005-Mar-16	11:23	3.9	73	112.1	11.30	0	0	0		
2005-Mar-16	11:23	3.9	101	114.0	12.42	0	0	0		
2005-Mar-16	11:24	3.9	101	116.0	12.09	0	0	0		
2005-Mar-16	11:24	3.9	96	117.9	11.70	0	0	0		
2005-Mar-16	11:25	3.9	105	119.9	12.63	0	0	0		
2005-Mar-16	11:25	3.9	133	121.8	12.82	0	0	0		
2005-Mar-16	11:26	3.9	82	123.8	11.37	0	0	0		
2005-Mar-16	11:26	3.9	96	125.8	12.46	0	0	0		
2005-Mar-16	11:27	3.9	105	127.7	12.16	0	0	0		
2005-Mar-16	11:27	3.9	73	129.7	10.47	0	0	0		
2005-Mar-16	11:28	3.9	96	131.7	11.96	0	0	0		
2005-Mar-16	11:28	3.9	87	133.6	11.15	0	0	0		
2005-Mar-16	11:29	3.9	96	135.6	12.01	0	0	0		
2005-Mar-16	11:29	3.9	110	137.6	12.59	0	0	0		
2005-Mar-16	11:30	3.9	105	139.5	11.75	0	0	0		
2005-Mar-16	11:30	3.9	87	141.5	10.95	0	0	0		
2005-Mar-16	11:31	3.9	82	143.4	10.69	0	0	0		
2005-Mar-16	11:31	3.9	82	145.4	10.70	0	0	0		
2005-Mar-16	11:32	3.9	82	147.3	11.40	0	0	0		
2005-Mar-16	11:32	3.9	96	149.3	11.90	0	0	0		
2005-Mar-16	11:33	3.9	110	151.2	12.21	0	0	0		
2005-Mar-16	11:33	3.9	114	153.2	12.28	0	0	0		
2005-Mar-16	11:34	3.9	124	155.2	12.29	0	0	0		
2005-Mar-16	11:34	3.9	105	156.7	11.96	0	0	0		
2005-Mar-16	11:34								Start Mixing Tail Slurry	
2005-Mar-16	11:34	3.9	101	156.8	11.95	0	0	0		
2005-Mar-16	11:34								End Lead Slurry	
2005-Mar-16	11:34								Reset Total, Vol = 156.91 bbl	
2005-Mar-16	11:34	3.9	110	156.9	11.92	0	0	0		
2005-Mar-16	11:34	3.9	105	0.2	11.91	0	0	0		
2005-Mar-16	11:35	3.9	101	2.2	12.01	0	0	0		
2005-Mar-16	11:35	3.9	124	4.1	14.52	0	0	0		

CONFIDENTIAL

ORIGINAL

Well		Field				Service Date		Customer		Job Number
BAUGHMAN L #2		HUGOTON				0575-Mar-16		OXY USA, INC.		2205647758
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message	
	24 hr clock	bbl/min	psi	bbl	lb/gal	0	0	0		
2005-Mar-16	11:36	3.9	133	6.1	13.27	0	0	0		
2005-Mar-16	11:36	3.9	128	8.0	12.77	0	0	0		
2005-Mar-16	11:37	3.9	114	10.0	12.56	0	0	0		
2005-Mar-16	11:37	3.9	114	11.9	12.59	0	0	0		
2005-Mar-16	11:38	3.9	156	13.9	22.48	0	0	0		
2005-Mar-16	11:38	3.9	146	15.8	13.57	0	0	0		
2005-Mar-16	11:39	3.9	151	17.9	14.79	0	0	0		
2005-Mar-16	11:39	3.9	169	19.8	14.55	0	0	0		
2005-Mar-16	11:40	3.9	179	21.8	14.39	0	0	0		
2005-Mar-16	11:40	3.9	183	23.7	14.78	0	0	0		
2005-Mar-16	11:41	3.9	142	25.7	17.76	0	0	0		
2005-Mar-16	11:41	3.9	133	27.6	13.66	0	0	0		
2005-Mar-16	11:42	3.9	137	29.6	13.59	0	0	0		
2005-Mar-16	11:42	3.9	142	31.5	20.42	0	0	0		
2005-Mar-16	11:43	3.9	156	33.5	14.09	0	0	0		
2005-Mar-16	11:43	3.9	160	35.5	19.11	0	0	0		
2005-Mar-16	11:44	3.9	146	37.4	13.90	0	0	0		
2005-Mar-16	11:44	3.9	160	39.4	16.17	0	0	0		
2005-Mar-16	11:45	3.9	156	41.3	20.44	0	0	0		
2005-Mar-16	11:45	3.9	151	43.3	14.48	0	0	0		
2005-Mar-16	11:46	3.9	151	45.2	14.49	0	0	0		
2005-Mar-16	11:46	3.9	142	47.2	15.10	0	0	0		
2005-Mar-16	11:47	3.9	137	49.1	19.71	0	0	0		
2005-Mar-16	11:47	1.2	46	51.0	14.27	0	0	0		
2005-Mar-16	11:48	0.0	37	51.1	15.25	0	0	0		
2005-Mar-16	11:48	0.0	37	51.1	15.30	0	0	0		
2005-Mar-16	11:49	0.0	37	51.1	4.23	0	0	0		
2005-Mar-16	11:49	0.0	37	51.1	3.90	0	0	0		
2005-Mar-16	11:50	0.0	37	51.1	4.04	0	0	0		
2005-Mar-16	11:50	0.0	37	51.1	4.19	0	0	0		
2005-Mar-16	11:51	0.0	37	51.1	4.34	0	0	0		
2005-Mar-16	11:51	0.0	37	51.1	4.46	0	0	0		
2005-Mar-16	11:52	0.0	37	51.1	4.55	0	0	0		
2005-Mar-16	11:52	0.0	37	51.1	4.63	0	0	0		
2005-Mar-16	11:53	0.0	37	51.1	4.69	0	0	0		
2005-Mar-16	11:53	0.0	37	51.1	4.75	0	0	0		
2005-Mar-16	11:54	0.0	37	51.1	4.72	0	0	0		
2005-Mar-16	11:54								Reset Total, Vol = 51.05 bbl	
2005-Mar-16	11:54	0.0	37	51.1	5.42	0	0	0		
2005-Mar-16	11:54								Drop Top Plug	
2005-Mar-16	11:54	0.0	37	0.0	6.67	0	0	0		
2005-Mar-16	11:54								Start Displacement	
2005-Mar-16	11:54	0.0	37	0.0	7.92	0	0	0		
2005-Mar-16	11:54								Start Mixing Lead Slurry	
2005-Mar-16	11:54	0.0	37	0.0	9.79	0	0	0		
2005-Mar-16	11:54								End Lead Slurry	
2005-Mar-16	11:54	0.0	37	0.0	10.63	0	0	0		
2005-Mar-16	11:54								End Tail Slurry	
2005-Mar-16	11:54	0.0	37	0.0	11.36	0	0	0		
2005-Mar-16	11:54	1.4	60	0.1	14.68	0	0	0		
2005-Mar-16	11:55	4.2	114	1.9	11.17	0	0	0		
2005-Mar-16	11:55	5.7	124	4.4	9.15	0	0	0		
2005-Mar-16	11:56	5.6	87	7.2	8.53	0	0	0		
2005-Mar-16	11:56	5.6	87	10.0	8.33	0	0	0		

KCC
JUL 07 2005
CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

Well		Field				Service Date		Customer		Job Number	
BAUGHMAN L #2		HUGOTON				0575-Mar-16		OXY USA, INC.		2205547758	
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message		
	24 hr clock	bbl/min	psi	bbl	lb/gal	0	0	0	KCC		
2005-Mar-16	11:57	5.6	87	12.8	8.34	0	0	0	JUL 07 2005		
2005-Mar-16	11:57	5.6	110	15.7	8.31	0	0	0	CONFIDENTIAL		
2005-Mar-16	11:58	5.6	119	18.5	8.33	0	0	0			
2005-Mar-16	11:58	5.6	137	21.3	8.33	0	0	0			
2005-Mar-16	11:59	5.6	124	24.1	8.30	0	0	0			
2005-Mar-16	11:59	5.6	146	26.9	8.30	0	0	0			
2005-Mar-16	12:00	5.6	160	29.7	8.30	0	0	0			
2005-Mar-16	12:00	5.6	183	32.5	8.30	0	0	0			
2005-Mar-16	12:01	5.6	183	35.3	8.31	0	0	0			
2005-Mar-16	12:01	5.6	211	38.1	8.31	0	0	0			
2005-Mar-16	12:02	5.6	224	41.0	8.31	0	0	0			
2005-Mar-16	12:02	5.7	238	43.9	8.31	0	0	0			
2005-Mar-16	12:03	5.6	247	46.7	8.31	0	0	0			
2005-Mar-16	12:03	5.6	266	49.5	8.31	0	0	0			
2005-Mar-16	12:04	5.6	311	52.3	8.31	0	0	0			
2005-Mar-16	12:04	5.6	293	55.1	8.31	0	0	0			
2005-Mar-16	12:05	5.6	352	57.9	8.31	0	0	0			
2005-Mar-16	12:05	5.6	385	60.7	8.31	0	0	0			
2005-Mar-16	12:06	5.6	380	63.5	8.31	0	0	0			
2005-Mar-16	12:06	3.9	348	65.8	8.31	0	0	0			
2005-Mar-16	12:07	3.9	357	67.8	8.31	0	0	0			
2005-Mar-16	12:07	3.9	371	69.7	8.31	0	0	0			
2005-Mar-16	12:08	3.9	403	71.7	8.31	0	0	0			
2005-Mar-16	12:08	2.5	430	73.3	8.32	0	0	0			
2005-Mar-16	12:09	2.5	421	74.5	8.32	0	0	0			
2005-Mar-16	12:09	2.5	439	75.8	8.26	0	0	0			
2005-Mar-16	12:10	2.5	366	77.0	7.64	0	0	0			
2005-Mar-16	12:10	2.5	380	78.2	8.30	0	0	0			
2005-Mar-16	12:11	2.5	394	79.5	8.30	0	0	0			
2005-Mar-16	12:11	0.0	778	80.4	8.29	0	0	0			
2005-Mar-16	12:12	0.0	769	80.4	8.30	0	0	0			
2005-Mar-16	12:12	0.0	14	80.4	8.29	0	0	0			
2005-Mar-16	12:13	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:13	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:14								Bump Top Plug		
2005-Mar-16	12:14	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:14	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:14								End Displacement		
2005-Mar-16	12:14	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:14	0.0	23	80.4	8.29	0	0	0			
2005-Mar-16	12:14								End Job		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5	0	0	6	220	0	10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
800		300	800		bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	80	bbl
%	220 bbl	80 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft	
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost	
Willimon, Wes			Gonzales, Paul			<input checked="" type="checkbox"/> Job Completed	

CONFIDENTIAL

KCC
JUL 07 2005

ORIGINAL

CONFIDENTIAL

Schlumberger

Date	3/16/2005
Company	OXY USA
Job Number	2205547758
Well Name	BAUGHMAN
Well Number	L 2
County	SEWARD
State	KS

Pipe Size	8 5/8	
Pipe Weight	24	32
Pipe Depth	1304	
Shoe Length	43.7	
Insert Depth	1260.3	
Hole Size	12 1/4	
Hole Depth	1301	

35:65 POZ		
445 sacks	Class C	D29 S01
2.18 yield	D20	D132
12.2 weight		
12.4 water	131	
cubic ft.	970	
height	1185	
bbls	173	

Pipe Volume	83
Annular Volume	96
Total Cement	219
Total Water	241

179

Pipe Factor	0.0637	0.0609
Annular Factor	0.0735	
Height Factor	1.2218	

C + ADDS		
195 sacks	D903 S1	D29
1.34 yield		
14.8 weight		
6.4 water	30	
cubic ft.	261	
height	319	
bbls	46.5	

Casing lift 536
Cement lift 291

3rd System		
0 sacks		
0 yield		
0 weight		
0 water	0	
cubic ft.	0	
height	0	
bbls	0	

Test 2000 psi

Mud

10 Spacer

173 Lead 12.2

47 Tail 14.8

80.3 Displacement

2000 Maximum Pressure

4th System		
sacks		
yield		
weight		
water	0	
cubic ft.	0	
height	0	
bbls	0	

Pump time @ 4 BPM

75 MIN