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OCT 28 2004

KCC WICHITA

CONFIDENTIAL

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM

Form ACO-1

September 1999

Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: OXY USA Inc.
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200

Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: NA

Designate Type of Completion:

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: _____
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. _____
07/05/04 07/08/04 07/22/04
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 067-21582-0000
County: Grant
NW - NW - SE - SE Sec 33 Twp. 28 S. R. 35W
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 Well #: 4
Field Name: Panoma
Producing Formation: Council Grove
Elevation: Ground 3039 Kelly Bushing: 3051
Total Depth: 3138 Plug Back Total Depth: 3080
Amount of Surface Pipe Set and Cemented at 739 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.

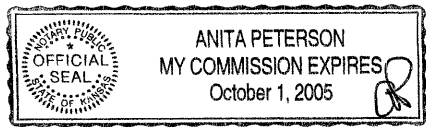
Drilling Fluid Management ALT / WHM 10-17-02
(Data must be collected from the Reserve Pit)
Chloride content 16000 mg/l ppm Fluid volume 850 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ 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: Vicki Carder
Title: Capital Project Date October 27, 2004
Subscribed and sworn to before me this 27th day of Oct
04
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

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



ORIGINAL

Side Two

Operator Name: OXY USA Inc. Lease Name: Baughman S Well #: 4
 Sec. 33 Twp. 28 S. R. 35W East West County: Grant

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: Neutron Induction Sonic Microlog Cement Bond	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Herington</td> <td>2566</td> <td>485</td> </tr> <tr> <td>Krider</td> <td>2590</td> <td>461</td> </tr> <tr> <td>Winfield</td> <td>2630</td> <td>421</td> </tr> <tr> <td>Towanda</td> <td>2690</td> <td>361</td> </tr> <tr> <td>Ft. Riley</td> <td>2742</td> <td>309</td> </tr> <tr> <td>Wreford</td> <td>2834</td> <td>217</td> </tr> <tr> <td>Council Grove</td> <td>2861</td> <td>190</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Herington	2566	485	Krider	2590	461	Winfield	2630	421	Towanda	2690	361	Ft. Riley	2742	309	Wreford	2834	217	Council Grove	2861	190
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																										
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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	739	H	260	50/50 poz + Additives
					C	225	Class C + Additives
Production	7 7/8	4 1/2	11.6	3136	C	200	Class C + Additives
					H	260	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 (Amount and Kind of Material Used)	Depth
4	2926-2929, 2918-2923, 2910-2916, 2894-2905,	3000 gls 15% HCL	
	2882-2888, 2863-2878	Divert Frac-616 bbls 30# linear gel,	
		16383# 100 mesh sand, 584 bbls gel foam	
		w/70QN2, 162,379# 12/20 sand	

TUBING RECORD	Size 2 3/8	Set At 2950	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. 08/05/04	Producing Method <input type="checkbox"/> Flowing <input checked="" 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 144	Water Bbls 10	Gas-Oil Ratio	Gravity
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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~~

Schlumberger

Cementing Service Report

KCC

Customer
OXY USA, INC.

Job Number
2205546145

Well
OCT 27 2004 BAUGHMAN 'S' 4

Location (legal)

Schlumberger Location
Perryton, TX

Job Start
2004-Jul-09

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Field CONFIDENTIAL		Formation Name/Type		Deviation		Bit Size 7.88 in		Well MD 3,138 ft		Well TVD 3,138 ft					
County GRANT		State/Province KANSAS		BHP psi		BHST 109 °F		BHCT °F		Pore Press. Gradient psi/ft					
Well Master: 0630594536		API / UWI:		Casing/Liner											
Rig Name MURFIN 20		Drilled For Oil & Gas		Service Via		Depth, ft 3136		Size, in 4.5		Weight, lb/ft 11.6					
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					
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole									
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 4 1/2 HSM		Top, ft		Bottom, ft		Total Interval ft					
Service Instructions CEMENT 4 1/2 PROD. CASING WITH: 20 BBL CW100 25 SKS CLASS C+3%D79+0.2%D46+0.25PPS D29(RAT/MOUSE) 200 SKS CLASS C+3%D79+0.2%D46+0.25PPS D29(LEAD) 260 SKS 50/50 POZ CLASS H + ADDS.(TAIL) DISPLACE WITH 2% KCL & 1 lb. B69						Treatment Casing		Displacement 48 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 49 bbl		Annular Vol. 97 bbl		Open Hole Vol. 146 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: 750 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Shoe Depth: 3136 ft	
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		Stage Tool Type:		Stage Tool Depth: ft		Tool Type:					
Cement Head Type: Single		Arrived on Location: 2004-Jul-09 18:00		Leave Location: 2004-Jul-09 22:39		Collar Type:		Collar Depth: 3097 ft		Tool Depth: ft					
Job Scheduled For:		Tail Pipe Size: in		Tail Pipe Depth: ft		Sqz Total Vol: bbl									
Date	Time	Treating Pressure psi	Density lb/gal	Pump Rate bbl/min	Pump Vol bbl	SK FLOWMETER bbl/min	0	0	Message						
2004-Jul-09	20:34	5	8.44	0.0	0.0	0.0	0	0							
2004-Jul-09	20:34	5	8.44	0.0	0.0	0.0	0	0							
2004-Jul-09	20:35	5	8.44	0.0	0.0	0.0	0	0							
2004-Jul-09	20:35	5	8.43	0.0	0.0	0.0	0	0							
2004-Jul-09	20:36	5	8.39	0.0	0.0	0.0	0	0							
2004-Jul-09	20:36	5	8.36	0.0	0.0	0.0	0	0							
2004-Jul-09	20:37	2376	8.45	0.0	0.1	0.0	0	0							
2004-Jul-09	20:37	3049	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:38	1726	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:38	3818	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:39	0	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:39	5	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:39														
2004-Jul-09	20:39														
2004-Jul-09	20:39	5	8.46	0.0	0.1	0.0	0	0							
2004-Jul-09	20:39	5	8.46	0.0	0.0	0.0	0	0							
2004-Jul-09	20:39														
2004-Jul-09	20:39	14	8.46	0.0	0.0	0.0	0	0	Start Pumping Wash						
2004-Jul-09	20:40	14	8.46	0.0	0.0	0.0	0	0							
2004-Jul-09	20:40	412	8.47	2.4	0.2	0.0	0	0							
2004-Jul-09	20:41	238	8.47	4.1	2.1	0.0	0	0							
2004-Jul-09	20:41	281	8.47	4.9	4.4	0.0	0	0							

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RELEASED
FROM
Pressure Test Lines
Res Total Vol = 0.48 bbl
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Well		Field				Service Date		Customer		Job Number
BAUGHMAN 'S' #4						04191-Jul-09		OXY USA, INC.		2205546145
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	0	0		
2004-Jul-09	20:42	224	8.47	4.9	6.9	0.0	0	0		
2004-Jul-09	20:42	243	8.47	4.9	9.3	0.0	0	0		
2004-Jul-09	20:43	247	8.46	4.9	11.8	0.0	0	0		
2004-Jul-09	20:43	266	8.46	5.1	14.3	0.0	0	0		
2004-Jul-09	20:44	252	8.46	5.1	16.9	0.0	0	0		
2004-Jul-09	20:44	261	8.46	5.1	19.4	0.0	0	0		
2004-Jul-09	20:45								End Wash	
2004-Jul-09	20:45	14	8.47	0.0	20.1	0.0	0	0		
2004-Jul-09	20:45								Reset Total, Vol = 20.15 bbl	
2004-Jul-09	20:45	14	8.47	0.0	20.1	0.0	0	0		
2004-Jul-09	20:45								Start Mixing Lead Slurry	
2004-Jul-09	20:45	9	8.47	0.0	0.0	0.0	0	0		
2004-Jul-09	20:45	9	8.47	0.0	0.0	0.0	0	0		
2004-Jul-09	20:45	55	8.46	0.0	0.0	0.0	0	0		
2004-Jul-09	20:46	27	11.32	0.1	0.0	0.0	0	0		
2004-Jul-09	20:46	92	14.07	0.3	0.1	0.0	0	0		
2004-Jul-09	20:47	69	12.34	0.3	0.3	0.0	0	0		
2004-Jul-09	20:47	46	12.59	1.2	0.8	0.0	0	0		
2004-Jul-09	20:48	46	12.53	1.2	1.4	0.0	0	0		
2004-Jul-09	20:48	41	12.13	1.2	2.0	0.0	0	0		
2004-Jul-09	20:49	46	13.30	1.9	2.8	0.0	0	0		
2004-Jul-09	20:49	55	12.59	2.0	3.8	0.0	0	0		
2004-Jul-09	20:50	46	11.92	2.1	4.8	0.0	0	0		
2004-Jul-09	20:50	46	11.79	2.0	5.9	0.0	0	0		
2004-Jul-09	20:51	9	11.47	0.0	6.0	0.0	0	0		
2004-Jul-09	20:51	9	11.63	0.0	6.0	0.0	0	0		
2004-Jul-09	20:52	9	11.66	0.0	6.0	0.0	0	0		
2004-Jul-09	20:52	9	11.68	0.0	6.0	0.0	0	0		
2004-Jul-09	20:53	9	11.65	0.0	6.0	0.0	0	0		
2004-Jul-09	20:53	14	11.76	0.0	6.0	0.0	0	0		
2004-Jul-09	20:54	37	11.87	1.7	6.1	0.0	0	0		
2004-Jul-09	20:54	50	13.17	2.0	7.0	0.0	0	0		
2004-Jul-09	20:55	46	12.41	2.0	8.0	0.0	0	0		
2004-Jul-09	20:55	46	12.57	2.0	9.0	0.0	0	0		
2004-Jul-09	20:56	46	12.85	2.0	10.0	0.0	0	0		
2004-Jul-09	20:56	41	11.89	2.0	11.0	0.0	0	0		
2004-Jul-09	20:57	41	11.79	2.0	12.0	0.0	0	0		
2004-Jul-09	20:57	5	11.60	0.0	12.1	0.0	0	0		
2004-Jul-09	20:58	5	11.69	0.0	12.1	0.0	0	0		
2004-Jul-09	20:58	5	11.69	0.0	12.1	0.0	0	0		
2004-Jul-09	20:59	293	12.00	3.3	12.3	0.0	0	0		
2004-Jul-09	20:59	398	13.28	5.6	14.2	0.0	0	0		
2004-Jul-09	21:00	330	13.14	5.6	17.0	0.0	0	0		
2004-Jul-09	21:00	266	12.18	5.6	19.8	0.0	0	0		
2004-Jul-09	21:01	261	12.25	5.6	22.7	0.0	0	0		
2004-Jul-09	21:01	261	12.25	5.6	25.5	0.0	0	0		
2004-Jul-09	21:02	192	12.21	5.7	28.3	0.0	0	0		
2004-Jul-09	21:02	183	12.09	5.7	31.2	0.0	0	0		
2004-Jul-09	21:03	188	12.11	5.7	34.0	0.0	0	0		
2004-Jul-09	21:03	188	12.10	5.7	36.8	0.0	0	0		
2004-Jul-09	21:04	179	12.07	5.7	39.7	0.0	0	0		
2004-Jul-09	21:04	183	12.09	5.7	42.6	0.0	0	0		
2004-Jul-09	21:05	183	12.18	5.7	45.5	0.0	0	0		
2004-Jul-09	21:05	174	12.08	5.7	48.3	0.0	0	0		

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Well			Field			Service Date		Customer		Job Number
BAUGHMAN 'S' #4						04191-Jul-09		OXY USA, INC.		2205546145
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	0	0		
2004-Jul-09	21:06	179	12.11	5.7	51.2	0.0	0	0		
2004-Jul-09	21:06	174	12.08	5.7	54.0	0.0	0	0		
2004-Jul-09	21:07	179	12.14	5.7	56.8	0.0	0	0		
2004-Jul-09	21:07	179	12.11	5.7	59.7	0.0	0	0		
2004-Jul-09	21:08	174	12.17	5.7	62.5	0.0	0	0		
2004-Jul-09	21:08	183	12.37	5.7	65.4	0.0	0	0		
2004-Jul-09	21:09	179	12.11	5.7	68.2	0.0	0	0		
2004-Jul-09	21:09	174	12.17	5.7	71.1	0.0	0	0		
2004-Jul-09	21:10	169	12.14	5.7	73.9	0.0	0	0		
2004-Jul-09	21:10	169	12.06	5.7	76.7	0.0	0	0		
2004-Jul-09	21:11	179	12.09	5.7	79.6	0.0	0	0		
2004-Jul-09	21:11	174	12.10	5.7	82.4	0.0	0	0		
2004-Jul-09	21:12	174	12.05	5.7	85.3	0.0	0	0		
2004-Jul-09	21:12	169	12.07	5.7	88.1	0.0	0	0		
2004-Jul-09	21:13	165	11.72	5.7	91.0	0.0	0	0		
2004-Jul-09	21:13	165	12.42	5.7	93.8	0.0	0	0		
2004-Jul-09	21:14	169	12.67	5.7	94.6	0.0	0	0		
2004-Jul-09	21:14								End Lead Slurry	
2004-Jul-09	21:14								Reset Total, Vol = 94.79 bbl	
2004-Jul-09	21:14	183	12.71	5.7	94.8	0.0	0	0		
2004-Jul-09	21:14								Start Mixing Tail Slurry	
2004-Jul-09	21:14	179	12.72	5.6	0.1	0.0	0	0		
2004-Jul-09	21:14	192	12.85	5.7	1.9	0.0	0	0		
2004-Jul-09	21:14	169	13.31	5.6	4.7	0.0	0	0		
2004-Jul-09	21:15	211	13.82	5.6	7.6	0.0	0	0		
2004-Jul-09	21:15	220	13.94	5.6	10.4	0.0	0	0		
2004-Jul-09	21:16	224	13.82	5.6	13.2	0.0	0	0		
2004-Jul-09	21:16	206	13.71	5.6	16.1	0.0	0	0		
2004-Jul-09	21:17	211	13.75	5.6	18.9	0.0	0	0		
2004-Jul-09	21:17	211	13.75	5.6	21.8	0.0	0	0		
2004-Jul-09	21:18	220	13.77	5.6	24.6	0.0	0	0		
2004-Jul-09	21:18	206	13.78	5.6	27.4	0.0	0	0		
2004-Jul-09	21:19	215	13.79	5.6	30.2	0.0	0	0		
2004-Jul-09	21:19	201	13.78	5.6	33.1	0.0	0	0		
2004-Jul-09	21:20	206	13.78	5.6	35.9	0.0	0	0		
2004-Jul-09	21:20	206	13.81	5.7	38.7	0.0	0	0		
2004-Jul-09	21:21	192	13.56	5.6	41.5	0.0	0	0		
2004-Jul-09	21:21	229	13.85	5.7	44.4	0.0	0	0		
2004-Jul-09	21:22	215	13.91	5.6	47.2	0.0	0	0		
2004-Jul-09	21:22	211	13.81	5.6	50.0	0.0	0	0		
2004-Jul-09	21:23	188	13.66	5.7	52.8	0.0	0	0		
2004-Jul-09	21:23	188	13.60	5.7	55.7	0.0	0	0		
2004-Jul-09	21:24	192	13.73	5.7	58.5	0.0	0	0		
2004-Jul-09	21:24	201	13.88	5.7	61.4	0.0	0	0		
2004-Jul-09	21:25	211	13.83	5.7	64.2	0.0	0	0		
2004-Jul-09	21:25	211	13.88	5.7	67.0	0.0	0	0		
2004-Jul-09	21:26	243	13.88	5.6	69.9	0.0	0	0		
2004-Jul-09	21:26	233	13.85	5.7	72.7	0.0	0	0		
2004-Jul-09	21:27	220	13.71	5.7	75.5	0.0	0	0		
2004-Jul-09	21:27	229	13.82	5.6	78.4	0.0	0	0		
2004-Jul-09	21:28	243	14.62	5.3	81.3	0.0	0	0		
2004-Jul-09	21:28	14	14.57	0.0	82.1	0.0	0	0		
2004-Jul-09	21:28								End Tail Slurry	
2004-Jul-09	21:28								Reset Total, Vol = 82.05 bbl	

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Well		Field		Service Date		Customer		Job Number	
BAUGHMAN 'S' #4				04191-Jul-09		OXY USA, INC.		2205546145	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	0	0	
2004-Jul-09	21:28	14	14.57	0.0	82.1	0.0	0	0	
2004-Jul-09	21:28	14	14.57	0.0	0.0	0.0	0	0	
2004-Jul-09	21:28								Drop Top Plug
2004-Jul-09	21:28	14	14.56	0.0	0.0	0.0	0	0	
2004-Jul-09	21:28								Start Displacement
2004-Jul-09	21:32	5	8.46	0.0	0.0	0.0	0	0	
2004-Jul-09	21:33	96	8.47	4.4	0.6	0.0	0	0	
2004-Jul-09	21:33	50	8.47	4.7	2.9	0.0	0	0	
2004-Jul-09	21:34	55	8.47	4.8	5.3	0.0	0	0	
2004-Jul-09	21:34	137	8.47	6.2	7.9	0.0	0	0	
2004-Jul-09	21:35	114	8.47	6.3	11.1	0.0	0	0	
2004-Jul-09	21:35	266	8.47	6.3	14.2	0.0	0	0	
2004-Jul-09	21:36	275	8.46	5.8	17.2	0.0	0	0	
2004-Jul-09	21:36	220	8.46	4.1	19.7	0.0	0	0	
2004-Jul-09	21:37	357	8.46	5.8	21.9	0.0	0	0	
2004-Jul-09	21:37	417	8.46	5.8	24.8	0.0	0	0	
2004-Jul-09	21:38	458	8.46	5.7	27.7	0.0	0	0	
2004-Jul-09	21:38	467	8.46	4.0	30.4	0.0	0	0	
2004-Jul-09	21:39	522	8.46	4.0	32.5	0.0	0	0	
2004-Jul-09	21:39	545	8.46	4.0	33.3	0.0	0	0	
2004-Jul-09	21:40	572	8.46	3.9	35.2	0.0	0	0	
2004-Jul-09	21:40	618	8.46	3.9	37.2	0.0	0	0	
2004-Jul-09	21:41	549	8.47	1.2	38.9	0.0	0	0	
2004-Jul-09	21:41	577	8.47	2.2	39.8	0.0	0	0	
2004-Jul-09	21:42	677	8.47	2.3	40.9	0.0	0	0	
2004-Jul-09	21:42	664	8.47	2.3	42.1	0.0	0	0	
2004-Jul-09	21:43	696	8.47	2.2	42.9	0.0	0	0	
2004-Jul-09	21:43	806	8.47	2.2	44.0	0.0	0	0	
2004-Jul-09	21:44	732	8.47	2.2	45.1	0.0	0	0	
2004-Jul-09	21:44	806	8.47	2.1	46.1	0.0	0	0	
2004-Jul-09	21:45	1350	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:45	1332	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:46	522	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:46	14	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:47								End Displacement
2004-Jul-09	21:47								Bump Top Plug
2004-Jul-09	21:47	9	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:47								Reset Total, Vol = 46.99 bbl
2004-Jul-09	21:47	9	8.47	0.0	47.0	0.0	0	0	
2004-Jul-09	21:47	9	8.47	0.0	0.0	0.0	0	0	

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Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5			6	165	0	20	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
1200		700	1200			8.43 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			
%	165 bbl	48 bbl	°F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed		
Willimon, Wes			Landeros, Feliverto				

Date	7/8/2004
Company	OXY USA, INC.
Job Number	2205546145
Well Name	BAUGHMAN 'S' 4
Well Number	S 4
County	GRANT
State	KANSAS

Schlumberger

Pipe Size	4 1/2	
Pipe Weight	11.6	11.6
Pipe Depth	3136.47	0
Shoe Length	39.88	
Insert Depth	3096.59	
Hole Size	7 7/8	
Hole Depth	3138	
Prod. To Surf.	2398	
Pipe Volume	49	
Annular Volume	97	
Total Cement	165	
Total Water	164	

CLASS C + ADDS	
200 sacks	D029 D079 D046
2.61 yield	
12 weight	
15.2 water	72.2
cubic ft.	522
height	2291
bbls	93

146

Pipe Factor	0.0155	0.0155
Annular Factor	0.0406	
Height Factor	4.3898	

50:50 POZ H+ADDS	
260 sacks	D112
1.55 yield	D65 D42 D20 D53
13.8 weight	M117 D46
7.1 water	44
cubic ft.	403
height	1769
bbls	71.8

Casing lift 2288
Cement lift 973

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RAT/MOUSE HOLE	
25 sacks	
2.61 yield	
12 weight	
15.2 water	9
cubic ft.	65.3
height	286
bbls	11.6

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

Test 3500	
0	MUD
20	Spacer
93	Lead 12
72	Tail 13.8
48.0	Displacement
1500 Maximum Pressure	
Pump time @ 4 BPM	53 MIN

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Cementing Service Report

OCT 27 2004
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Customer OXY USA, INC.	Job Number 2205546301
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Location (legal) BAUGHMAN 'S' 4	Schlumberger Location Perryton, TX	Job Start 2004-Jul-06
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Formation Name/Type GRANT	Deviation 0.0%	Bit Size 2 3/4 in	Well MD 700 ft	Well TVD 700 ft
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State/Province KANSAS	BHST psi	BHCT 109 °F	Pore Press. Gradient psi/ft
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Well Master: 0630594536	API / UWI:	Casing/Liner			
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Rig Name MURFIN 20	Drilled For Oil & Gas	Service Via	Depth, ft 697	Size, in 8.63	Weight, lb/ft 24	Grade	Thread
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Offshore Zone	Well Class New	Well Type Development	Tubing/Drill Pipe				
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Drilling Fluid Type	Max. Density lb/gal	Plastic Viscosity cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread
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Service Line Cementing	Job Type Cem Surface Casing	Perforations/Open Hole				
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Max. Allowed Tubing Pressure 2000 psi	Max. Allowed Ann. Pressure psi	Well Head Connection 8 5/8 H&M	Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
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Service Instructions CEMENT 8 5/8 SURF. CASING WITH: 250 SKS CLASS C+3%D79+0.2%D46+0.25PPS D29 (TAIL) 260 SKS 50/50 POZ CLASS H + ADDS.(LEAD) DISPLACE WITH FRESH WATER.							
--	--	--	--	--	--	--	--

Treat Down Casing	Displacement 41.6 bbl	Packer Type	Packer Depth ft
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Tubing Vol. bbl	Casing Vol. 44 bbl	Annular Vol. 51 bbl	Open Hole Vol. 96 bbl
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Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>	Casing Tools		Squeeze Job	
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Lift Pressure: 300 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type:	Squeeze Type
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No. Centralizers: Top Plugs: 1 Bottom Plugs: 1	Cement Head Type: Single	Shoe Depth: 697 ft	Tool Type:
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Job Scheduled For: 2004-Jul-05 23:30	Arrived on Location:	Leave Location: 2004-Jul-06 6:30	Stage Tool Type: ft	Tool Depth: ft
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Collar Type:	Collar Depth: 653 ft	Tail Pipe Size: in	Tail Pipe Depth: ft	Sqz Total Vol: bbl
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Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message
2004-Jul-06	4:14	5	0.0	8.22	0.0	0	0	0	
2004-Jul-06	4:14								
2004-Jul-06	4:14	5	0.0	8.22	0.0	0	0	0	Start Job
2004-Jul-06	4:15	5	0.0	8.22	0.0	0	0	0	
2004-Jul-06	4:15	5	0.2	8.22	0.0	0	0	0	
2004-Jul-06	4:16	2925	0.1	8.22	0.4	0	0	0	
2004-Jul-06	4:16	2705	0.0	8.22	0.4	0	0	0	
2004-Jul-06	4:16	2701	0.0	8.22	0.4	0	0	0	
2004-Jul-06	4:16								
2004-Jul-06	4:17	2623	0.0	8.22	0.4	0	0	0	Pressure Test Lines
2004-Jul-06	4:17	2563	0.0	8.22	0.4	0	0	0	
2004-Jul-06	4:18	2522	0.0	8.22	0.4	0	0	0	
2004-Jul-06	4:18	9	0.0	8.22	0.4	0	0	0	
2004-Jul-06	4:19	92	0.5	8.22	0.4	0	0	0	
2004-Jul-06	4:19	137	1.9	8.21	1.8	0	0	0	
2004-Jul-06	4:20	133	2.3	8.19	2.2	0	0	0	
2004-Jul-06	4:20								
2004-Jul-06	4:20	137	1.7	8.18	2.9	0	0	0	Start Pumping Spacer
2004-Jul-06	4:20	137	1.7	8.18	3.6	0	0	0	
2004-Jul-06	4:21	142	5.7	8.19	4.9	0	0	0	
2004-Jul-06	4:21	151	5.7	8.17	7.8	0	0	0	
2004-Jul-06	4:22	151	5.7	8.19	10.7	0	0	0	

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN 'S' #4					04188-Jul-06		OXY USA, INC.		2205546301
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Jul-06	4:22	165	5.7	8.84	13.5	0	0	0	
2004-Jul-06	4:22								End Spacer
2004-Jul-06	4:22	165	5.7	8.90	13.6	0	0	0	
2004-Jul-06	4:22	160	5.7	8.96	13.7	0	0	0	
2004-Jul-06	4:22								Reset Total, Vol = 13.70 bbl
2004-Jul-06	4:22	165	5.7	9.09	0.2	0	0	0	
2004-Jul-06	4:22								Start Mixing Lead Slurry
2004-Jul-06	4:23	183	5.7	11.47	2.7	0	0	0	
2004-Jul-06	4:23	215	5.7	12.17	5.5	0	0	0	
2004-Jul-06	4:24	206	5.7	11.82	8.4	0	0	0	
2004-Jul-06	4:24	220	5.7	12.56	11.2	0	0	0	
2004-Jul-06	4:25	211	5.7	11.72	14.1	0	0	0	
2004-Jul-06	4:25	165	5.7	12.34	17.0	0	0	0	
2004-Jul-06	4:26	183	5.7	12.63	19.8	0	0	0	
2004-Jul-06	4:26	179	5.7	12.23	22.7	0	0	0	
2004-Jul-06	4:27	197	5.7	12.46	25.5	0	0	0	
2004-Jul-06	4:27	192	5.7	12.53	28.5	0	0	0	
2004-Jul-06	4:28	183	5.7	12.35	31.3	0	0	0	
2004-Jul-06	4:28	146	5.7	12.44	34.2	0	0	0	
2004-Jul-06	4:29	192	5.7	12.47	37.1	0	0	0	
2004-Jul-06	4:29	183	5.7	12.26	39.9	0	0	0	
2004-Jul-06	4:30	151	5.7	12.04	42.8	0	0	0	
2004-Jul-06	4:30	183	5.7	12.88	45.6	0	0	0	
2004-Jul-06	4:31	169	5.7	12.39	48.5	0	0	0	
2004-Jul-06	4:31	160	5.7	12.40	51.4	0	0	0	
2004-Jul-06	4:32	188	5.7	12.61	54.2	0	0	0	
2004-Jul-06	4:32	179	5.7	12.57	57.1	0	0	0	
2004-Jul-06	4:33	165	5.7	12.30	59.9	0	0	0	
2004-Jul-06	4:33	165	5.9	12.24	62.8	0	0	0	
2004-Jul-06	4:34	174	5.7	12.40	65.6	0	0	0	
2004-Jul-06	4:34	179	5.7	12.46	68.5	0	0	0	
2004-Jul-06	4:35	179	5.7	12.61	71.4	0	0	0	
2004-Jul-06	4:35	160	5.7	12.10	74.2	0	0	0	
2004-Jul-06	4:36	169	5.7	12.34	77.1	0	0	0	
2004-Jul-06	4:36	179	5.7	12.69	79.9	0	0	0	
2004-Jul-06	4:37	183	5.7	12.66	82.8	0	0	0	
2004-Jul-06	4:37	160	5.7	12.46	85.6	0	0	0	
2004-Jul-06	4:38	174	5.7	12.74	88.5	0	0	0	
2004-Jul-06	4:38	179	5.7	12.85	91.4	0	0	0	
2004-Jul-06	4:39	188	5.7	12.88	94.3	0	0	0	
2004-Jul-06	4:39	160	5.7	12.13	97.2	0	0	0	
2004-Jul-06	4:40	183	5.7	12.76	98.6	0	0	0	
2004-Jul-06	4:40								End Lead Slurry
2004-Jul-06	4:40	183	5.7	12.85	98.8	0	0	0	
2004-Jul-06	4:40								Reset Total, Vol = 98.80 bbl
2004-Jul-06	4:40								Start Mixing Tail Slurry
2004-Jul-06	4:40	183	5.7	12.92	0.2	0	0	0	
2004-Jul-06	4:40	188	5.7	12.61	1.2	0	0	0	
2004-Jul-06	4:40	128	3.9	13.31	4.0	0	0	0	
2004-Jul-06	4:41	243	5.7	14.11	6.5	0	0	0	
2004-Jul-06	4:41	256	5.7	14.60	9.4	0	0	0	
2004-Jul-06	4:42	247	5.7	14.88	12.3	0	0	0	
2004-Jul-06	4:42	252	5.7	14.96	15.1	0	0	0	
2004-Jul-06	4:43	256	5.7	14.88	18.0	0	0	0	

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN 'S' #4					04188-Jul-06		OXY USA, INC.		2205546301
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Jul-06	4:43	256	5.7	14.82	20.8	0	0	0	
2004-Jul-06	4:44	261	5.7	14.93	23.7	0	0	0	
2004-Jul-06	4:44	238	5.7	14.74	26.6	0	0	0	
2004-Jul-06	4:45	238	5.7	14.85	29.4	0	0	0	
2004-Jul-06	4:45	252	5.7	14.99	32.3	0	0	0	
2004-Jul-06	4:46	238	5.7	14.72	35.1	0	0	0	
2004-Jul-06	4:46	238	5.7	14.88	38.0	0	0	0	
2004-Jul-06	4:47	229	5.7	14.87	40.8	0	0	0	
2004-Jul-06	4:47	238	5.7	14.85	43.7	0	0	0	
2004-Jul-06	4:48	243	5.7	14.81	46.6	0	0	0	
2004-Jul-06	4:48	229	5.7	14.85	49.4	0	0	0	
2004-Jul-06	4:49	133	3.9	14.56	52.2	0	0	0	
2004-Jul-06	4:49	128	3.9	14.88	54.1	0	0	0	
2004-Jul-06	4:50								End Tail Slurry
2004-Jul-06	4:50	46	0.0	14.84	54.6	0	0	0	
2004-Jul-06	4:50								Reset Total, Vol = 54.65 bbl
2004-Jul-06	4:50	41	0.0	14.82	54.6	0	0	0	
2004-Jul-06	4:50								Drop Top Plug
2004-Jul-06	4:50	41	0.0	14.82	0.0	0	0	0	
2004-Jul-06	4:50	41	0.0	14.82	0.0	0	0	0	
2004-Jul-06	4:50								Start Displacement
2004-Jul-06	4:50	41	0.0	14.85	0.0	0	0	0	
2004-Jul-06	4:50	37	0.0	14.87	0.0	0	0	0	
2004-Jul-06	4:51	37	0.0	13.32	0.0	0	0	0	
2004-Jul-06	4:51	32	0.0	9.83	0.0	0	0	0	
2004-Jul-06	4:52	55	1.8	9.76	0.3	0	0	0	
2004-Jul-06	4:52	119	5.6	9.34	2.4	0	0	0	
2004-Jul-06	4:53	96	5.6	8.28	5.3	0	0	0	
2004-Jul-06	4:53	114	5.6	8.23	8.1	0	0	0	
2004-Jul-06	4:54	142	5.6	8.19	10.9	0	0	0	
2004-Jul-06	4:54	169	5.6	8.21	13.7	0	0	0	
2004-Jul-06	4:55	197	5.6	8.20	16.5	0	0	0	
2004-Jul-06	4:55	206	5.6	8.20	19.3	0	0	0	
2004-Jul-06	4:56	192	5.6	8.21	22.1	0	0	0	
2004-Jul-06	4:56	243	5.6	8.21	24.9	0	0	0	
2004-Jul-06	4:57	174	5.6	8.21	27.7	0	0	0	
2004-Jul-06	4:57	302	5.6	8.20	30.5	0	0	0	
2004-Jul-06	4:58	224	5.6	8.21	33.4	0	0	0	
2004-Jul-06	4:58	261	2.4	8.21	35.7	0	0	0	
2004-Jul-06	4:59	247	2.0	8.21	36.7	0	0	0	
2004-Jul-06	4:59	270	2.0	8.21	37.7	0	0	0	
2004-Jul-06	5:00	252	2.0	8.21	38.7	0	0	0	
2004-Jul-06	5:00	261	2.0	8.21	39.7	0	0	0	
2004-Jul-06	5:01	284	2.0	8.21	40.7	0	0	0	
2004-Jul-06	5:01	284	2.0	8.21	41.7	0	0	0	
2004-Jul-06	5:02	279	2.0	8.21	42.7	0	0	0	
2004-Jul-06	5:02	284	2.0	8.21	43.7	0	0	0	
2004-Jul-06	5:03	311	2.0	8.21	44.7	0	0	0	
2004-Jul-06	5:03	293	2.0	8.21	45.7	0	0	0	
2004-Jul-06	5:04	655	0.0	8.21	46.1	0	0	0	
2004-Jul-06	5:04	655	0.0	8.21	46.1	0	0	0	
2004-Jul-06	5:04								Bump Top Plug
2004-Jul-06	5:04	655	0.0	8.21	46.1	0	0	0	
2004-Jul-06	5:04								End Displacement

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN 'S' #4					04188-Jul-06		OXY USA, INC.		2205546301
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2004-Jul-06	5:04	655	0.0	8.21	46.1	0	0	0	
2004-Jul-06	5:04								Reset Total, Vol = 46.09 bbl
2004-Jul-06	5:04	655	0.0	8.21	0.0	0	0	0	
2004-Jul-06	5:05	96	0.0	8.21	0.0	0	0	0	
2004-Jul-06	5:05								End Job
2004-Jul-06	5:05	18	0.0	8.21	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	0	0	6		154	0	10		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density		
			600				lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume		50 bbl	
%	146 bbl		44.3 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To		ft	
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	
Willimon, Wes			Ahrends, Timothy						

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44. bbls disp

738.
- 43

695

Schlumberger

Date	06/06/04
Company	OXY
Job Number	2205546301
Well Name	Baughman
Well Number	S 4
County	Grant
State	KS

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	697	
Shoe Length	44	
Insert Depth	653	
Hole Size	12 1/4	
Hole Depth	700	

1st System	
260 sacks	H
2 yield	
12 weight	
15 water	92.9
cubic ft.	520
height	1260
bbls	92.6

96	Pipe Volume	44
	Annular Volume	51
	Total Cement	146
	Total Water	168

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

2nd System	
225 sacks	C
1.34 yield	S1,D29
14.8 weight	
6.3 water	34
cubic ft.	302
height	731
bbls	53.7

Casing lift 286
Cement lift 216

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Test 2000

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

0 Mud
10 Spacer
93 Lead 12
54 Tail 14.8

41.6 Displacement

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

1500 Maximum Pressure

Pump time @ 6 BPM 31 MIN