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Form ACO-1

September 1999

DEC 18 2002

Form Must Be Typed

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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

ORIGINAL

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Pending
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Company
License: 30606
Wellsite Geologist: Tim Headrick

API No. 15 - 081-21457-0000
County: Haskell
SE - SW - NW - SW Sec 35 Twp. 27 S. R. 34W
1437 feet from S N (circle one) Line of Section
516 feet from E W (circle one) Line of Section

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Baughman AA Well #: 1
Field Name: Wildcat
Producing Formation: Morrow

If Workover/Re-entry: Old Well Info as follows:
Operator: OXY USA, Inc.
Well Name: _____

Elevation: Ground: 3056 Kelly Bushing: 3067
Total Depth: 5750 Plug Back Total Depth: 5696
Amount of Surface Pipe Set and Cemented at 1775 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3163
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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. _____
09/02/02 09/11/02 10/15/02
Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

Drilling Fluid Management Plan Att 1 En 3-20-03
(Data must be collected from the Reserve Pit)
Chloride content 1800 ppm Fluid volume 1600 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.: _____

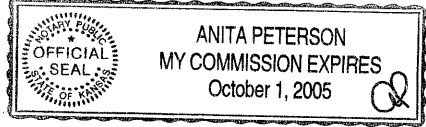
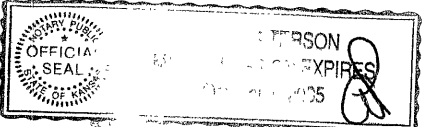
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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 December 16, 2002
Subscribed and sworn to before me this 16th day of Dec.
20 02
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



Side Two

Operator Name: OXY USA Inc. Lease Name: Baughman AA Well #: _____
 Sec. 35 Twp. 27 R. 34W East West County: _____

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: Cement Bond Induction
 Microlog Neutron Sonic
 Geological Report

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name Top Datum	
	Heebner 4058 -991	
	Toronto 4070 -1003	
	Lansing 4102 -1035	
	Marmaton 4696 -1629	
	Cherokee 4945 -1878	
	Atoka 5104 -2037	
	Morrow 5156 -2089	
	Chester 5337 -2270	
	St. Genieve 5429 -2362	

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	1775	C	690	6% Gel, 2% Calcium Chloride 1/4# Flocele
Production	7 7/8	4 1/2	10.5	5745	C	240	50/50 POZ, 2% Gel, 5# Gypsum, 5# Kolite, 35# KCL, .5% Flac

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	2500-3163	C	200	50/50 POZ, 2% Gel, 5# Gypsum, 3% KCL, .5% Flac (Port Collar)
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
4	5216-5222, 5244-5250	Acidize - 3600 Gals 15% MCA-FE	
		Frac - 20,000 gals 25# x-link gel, 5000 gals	
		x-link gel w/1 ppg 16/30 sand, 12,500# Sand	

TUBING RECORD			Liner Run		
Size	Set At	Packer At	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
2 3/8	5143				
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
NA		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbbs	Gas-Oil Ratio	Gravity
	1		3		

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Submit ACO-18)

METHOD OF COMPLETION Other (Specify) _____

Production Interval _____

Customer OXY USA, INC.						Job Number 2205440662						
Well BAUGHMAN A-1			Location (legal) KCC			Schlumberger Location Ulysses, KS			Job Start 2002-Sep-12			
Field		Formation Name/Type		Deviation		Bit Size		Well MD		Well TVD		
				0 °		in		5,746 ft		5,746 ft		
County Haskell		State/Province KS		BHP psi		BHST °F		BHCT °F		Pore Press. Gradient psi/ft		
Well Master: 0630443307		API / UW:		Casing/Liner								
Rig Name Murphin		Drilled For Gas		Service Via Land		Depth, ft 4733.6	Size, in 4.5	Weight, lb/ft 10.5	Grade K55	Thread 8RD		
Offshore Zone		Well Class New		Well Type Exploration		Tubing/Drill Pipe						
Drilling Fluid Type		Max. Density 9.2 lb/gal		Plastic Viscosity 55 cp		Depth, ft 0	Size, in 0	Weight, lb/ft 0	Grade	Thread		
Service Line Cementing		Job Type Cem Prod Casing		Perforations/Open Hole								
Max. Allowed Tubing Pressure 750 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection		Top, ft 0	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions Safely cement production casing as per customer's request						Treat Down Casing	Displacement 90.7 bbl	Packer Type	Packer Depth ft			
						Tubing Vol. bbl	Casing Vol. 91.3 bbl	Annular Vol. bbl	Open Hole Vol. bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>						1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			Squeeze Job	
Lift Pressure: 3795 psi						Shoe Type: Guide		Squeeze Type				
Pipe Rotated <input type="checkbox"/>						Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: 5733 ft		Tool Type:		
No. Centralizers: 16						Top Plugs: 1		Bottom Plugs: 1		Stage Tool Type:		Tool Depth: 0 ft
Cement Head Type: Single						Stage Tool Depth: ft		Tail Pipe Size: 0 in				
Job Scheduled For: 2002-Sep-12 8:00						Arrived on Location: 2002-Sep-12 8:00		Leave Location: 2002-Sep-12 12:30		Collar Type: Auto-Fill		Tail Pipe Depth: 0 ft
						Collar Depth: 5704 ft		Sqz Total Vol: 0 bbl				
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message			
2002-Sep-12	10:29	-15	0.0	12.57	0.0	0	0	0				
2002-Sep-12	10:30								Reset Total, Vol = 0.00 bbl			
2002-Sep-12	10:30	40	0.0	12.59	0.0	0	0	0				
2002-Sep-12	10:30	54	2.9	12.59	0.9	0	0	0				
2002-Sep-12	10:31	68	2.9	12.59	2.3	0	0	0				
2002-Sep-12	10:31								PUMP MOUSE HOLE			
2002-Sep-12	10:31	72	3.0	12.56	2.8	0	0	0				
2002-Sep-12	10:31								Stop Pumping			
2002-Sep-12	10:31	-19	0.0	12.45	3.5	0	0	0				
2002-Sep-12	10:31	-24	0.0	12.33	3.5	0	0	0				
2002-Sep-12	10:32	-24	0.0	9.21	3.5	0	0	0				
2002-Sep-12	10:33	-24	0.0	12.44	3.5	0	0	0				
2002-Sep-12	10:33	-24	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:34	-24	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:35	-19	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:35	-15	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:36	-15	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:37	-15	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:37	-15	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:38								PUMP RAT HOLE			
2002-Sep-12	10:38	-15	0.0	12.15	3.5	0	0	0				
2002-Sep-12	10:38	54	0.0	12.15	3.5	0	0	0				

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN #A-1					02255-Sep-12		OXY USA, INC.		2205440662
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2002-Sep-12	10:38								Reset Total, Vol = 3.48 bbl
2002-Sep-12	10:38	54	1.3	12.15	3.5	0	0	0	
2002-Sep-12	10:39	68	3.3	12.11	5.5	0	0	0	
2002-Sep-12	10:39	-19	0.0	11.79	6.8	0	0	0	
2002-Sep-12	10:40	-24	0.0	9.62	6.8	0	0	0	
2002-Sep-12	10:41	-19	0.0	9.07	6.8	0	0	0	
2002-Sep-12	10:41	-15	0.0	9.09	6.8	0	0	0	
2002-Sep-12	10:42	-15	0.0	9.43	6.8	0	0	0	
2002-Sep-12	10:43	-15	0.0	9.40	6.8	0	0	0	
2002-Sep-12	10:43	-15	0.0	9.18	6.8	0	0	0	
2002-Sep-12	10:44	-15	0.0	9.05	6.8	0	0	0	
2002-Sep-12	10:45	-10	0.0	8.99	6.8	0	0	0	
2002-Sep-12	10:45	-15	0.0	8.94	6.8	0	0	0	
2002-Sep-12	10:46								Reset Total, Vol = 3.29 bbl
2002-Sep-12	10:46	-15	0.0	8.91	6.8	0	0	0	
2002-Sep-12	10:46	-15	0.0	8.91	6.8	0	0	0	
2002-Sep-12	10:46	-15	0.0	8.90	6.8	0	0	0	
2002-Sep-12	10:46								Pressure Test Lines
2002-Sep-12	10:46								Reset Total, Vol = 0.00 bbl
2002-Sep-12	10:46	-15	0.0	8.89	6.8	0	0	0	
2002-Sep-12	10:47	-15	0.0	8.89	0.0	0	0	0	
2002-Sep-12	10:47	2265	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:47	2265	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:47								Bleed Off Pressure
2002-Sep-12	10:48	-10	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:49								Start Pumping Spacer
2002-Sep-12	10:49	-10	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:49	-10	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:49	-10	0.0	8.87	0.1	0	0	0	
2002-Sep-12	10:50	146	3.6	8.86	0.9	0	0	0	
2002-Sep-12	10:51	150	3.8	8.61	3.5	0	0	0	
2002-Sep-12	10:51	123	3.8	8.45	6.0	0	0	0	
2002-Sep-12	10:52	141	3.9	8.39	8.6	0	0	0	
2002-Sep-12	10:53	-19	0.0	8.35	9.5	0	0	0	
2002-Sep-12	10:53	-19	0.0	8.47	9.5	0	0	0	
2002-Sep-12	10:53								End Spacer
2002-Sep-12	10:53								Start Mixing Lead Slurry
2002-Sep-12	10:53	-19	0.0	8.52	9.5	0	0	0	
2002-Sep-12	10:53	-19	0.0	8.67	9.5	0	0	0	
2002-Sep-12	10:53								Reset Total, Vol = 9.49 bbl
2002-Sep-12	10:54	-19	0.0	9.44	0.0	0	0	0	
2002-Sep-12	10:54								Drop Bottom Plug
2002-Sep-12	10:54	237	4.5	10.94	1.3	0	0	0	
2002-Sep-12	10:55	223	4.5	10.05	4.3	0	0	0	
2002-Sep-12	10:55	210	4.4	10.69	7.2	0	0	0	
2002-Sep-12	10:56	182	4.5	10.25	10.2	0	0	0	
2002-Sep-12	10:57	155	4.5	10.34	13.2	0	0	0	
2002-Sep-12	10:57	168	4.5	10.14	16.2	0	0	0	
2002-Sep-12	10:58	45	3.5	9.57	18.4	0	0	0	
2002-Sep-12	10:58								End Lead Slurry
2002-Sep-12	10:58								Start Mixing Tail Slurry
2002-Sep-12	10:58	72	3.5	9.55	18.4	0	0	0	
2002-Sep-12	10:58	150	4.4	9.69	19.1	0	0	0	
2002-Sep-12	10:59	265	5.6	13.67	22.4	0	0	0	

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Well		Field		Service Date		Customer			Job Number
BAUGHMAN #A-1				02255-Sep-12		OXY USA, INC.			2205440662
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bb/min	lb/gal	bbl	0	0	0	
2002-Sep-12	10:59	255	5.7	14.30	26.2	0	0	0	KCC DEC 16 2012 CONFIDENTIAL
2002-Sep-12	11:00	187	5.3	14.07	29.9	0	0	0	
2002-Sep-12	11:01	59	4.6	13.28	33.4	0	0	0	
2002-Sep-12	11:01	68	4.6	13.99	36.5	0	0	0	
2002-Sep-12	11:02	72	4.9	13.84	39.7	0	0	0	
2002-Sep-12	11:03	68	5.3	13.90	43.2	0	0	0	
2002-Sep-12	11:03	68	5.3	13.88	46.8	0	0	0	
2002-Sep-12	11:04	155	5.4	13.89	50.5	0	0	0	
2002-Sep-12	11:05	72	3.0	13.89	53.0	0	0	0	
2002-Sep-12	11:05	178	5.5	13.90	55.4	0	0	0	
2002-Sep-12	11:06	168	5.4	14.04	59.0	0	0	0	
2002-Sep-12	11:07	77	5.5	13.43	62.6	0	0	0	
2002-Sep-12	11:07	81	5.5	13.91	66.2	0	0	0	
2002-Sep-12	11:08	146	5.5	13.85	69.9	0	0	0	
2002-Sep-12	11:09	109	5.5	14.24	73.5	0	0	0	
2002-Sep-12	11:09	123	5.5	14.34	77.2	0	0	0	
2002-Sep-12	11:10	150	5.5	14.18	80.8	0	0	0	
2002-Sep-12	11:11	-19	0.0	13.86	83.1	0	0	0	
2002-Sep-12	11:11	45	3.0	9.47	83.2	0	0	0	
2002-Sep-12	11:12	36	3.0	8.95	85.2	0	0	0	
2002-Sep-12	11:13	100	4.2	8.76	87.6	0	0	0	
2002-Sep-12	11:13	86	4.1	8.58	90.4	0	0	0	
2002-Sep-12	11:14	-15	0.0	8.42	91.7	0	0	0	
2002-Sep-12	11:15								Drop Top Plug
2002-Sep-12	11:15	-19	0.0	8.36	91.7	0	0	0	
2002-Sep-12	11:15	-15	0.0	8.36	91.7	0	0	0	
2002-Sep-12	11:15								Start Displacement
2002-Sep-12	11:15	-19	0.0	8.36	91.7	0	0	0	
2002-Sep-12	11:15								Reset Total, Vol = 91.74 bbl
2002-Sep-12	11:15	-15	0.0	8.36	0.0	0	0	0	
2002-Sep-12	11:15	49	4.8	8.31	0.8	0	0	0	
2002-Sep-12	11:16	45	4.8	8.31	4.0	0	0	0	
2002-Sep-12	11:17	45	4.8	8.29	7.3	0	0	0	
2002-Sep-12	11:17	45	3.3	8.28	10.2	0	0	0	
2002-Sep-12	11:18	45	3.3	8.28	12.4	0	0	0	
2002-Sep-12	11:19	45	3.3	8.28	14.6	0	0	0	
2002-Sep-12	11:19	49	5.3	8.28	17.2	0	0	0	
2002-Sep-12	11:20	36	4.1	8.28	21.1	0	0	0	
2002-Sep-12	11:21	45	4.7	8.28	24.2	0	0	0	
2002-Sep-12	11:21	49	4.7	8.28	27.3	0	0	0	
2002-Sep-12	11:22	45	4.7	8.28	30.4	0	0	0	
2002-Sep-12	11:23	45	3.7	8.28	32.9	0	0	0	
2002-Sep-12	11:23	40	3.7	8.28	35.4	0	0	0	
2002-Sep-12	11:24	49	3.1	8.28	37.4	0	0	0	
2002-Sep-12	11:25	40	0.0	8.28	39.7	0	0	0	
2002-Sep-12	11:25	40	3.3	8.28	39.9	0	0	0	
2002-Sep-12	11:26	45	5.2	8.28	43.1	0	0	0	
2002-Sep-12	11:27	251	5.1	8.28	46.5	0	0	0	
2002-Sep-12	11:27	287	5.1	8.28	49.9	0	0	0	
2002-Sep-12	11:28	347	5.2	8.28	53.4	0	0	0	
2002-Sep-12	11:29	402	5.1	8.28	56.9	0	0	0	
2002-Sep-12	11:29	480	5.1	8.28	60.3	0	0	0	
2002-Sep-12	11:30	544	5.1	8.28	63.7	0	0	0	
2002-Sep-12	11:31	608	5.1	8.28	67.1	0	0	0	

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Well BAUGHMAN #A-1		Field		Service Date 02255-Sep-12		Customer OXY USA, INC.		Job Number 2205440662	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2002-Sep-12	11:31	672	5.0	8.28	70.5	0	0	0	KCC DEC 16 2002 CONFIDENTIAL
2002-Sep-12	11:32	539	1.6	8.28	72.8	0	0	0	
2002-Sep-12	11:33	603	2.2	8.28	74.3	0	0	0	
2002-Sep-12	11:33	631	2.2	8.28	75.8	0	0	0	
2002-Sep-12	11:34	658	2.2	8.28	77.3	0	0	0	
2002-Sep-12	11:35	1386	0.0	8.28	78.1	0	0	0	
2002-Sep-12	11:35	1469	0.0	8.28	78.1	0	0	0	
2002-Sep-12	11:36	-15	0.0	8.28	78.1	0	0	0	
2002-Sep-12	11:37	-19	0.0	8.28	78.1	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		
4.8			6.6	75			0		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
750	750	220	1450		bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?		Volume	0	bbl	
%	86 bbl	90.8 bbl	75 °F	<input type="checkbox"/> Washed Thru Perfs		to	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Gregg, Fillpot			Strano, Douglas						

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Date	9/12/2002
Company	OXY
Job Number	2205440662
Well Name	BAUGHMAN
Well Number	A-1
County	HASKELL
State	KANSAS

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Pipe Size	4 1/2
Pipe Weight	10.5
Pipe Depth	5747.6
Shoe Length	43.1
Insert Depth	5704.5
Hole Size	7 7/8
Hole Depth	5745

Pipe Volume	91
Annular Volume	321
Total Cement	86
Total Water	247

412

Pipe Factor	0.0159
Annular Factor	0.0558
Height Factor	3.9331

Casing lift	3795
Cement lift	740

1st System	
30 sacks	CLASS H+3%D79
5.26 yield	.2% D46
10 weight	
35.9 water	25.6
cubic ft.	158
height	621
bbls	28.1

2nd System	
210 sacks	50\50 POZ+2%BWOB D20
1.55 yield	5LBS\SKD53 5LB\SK D42
13.8 weight	35M117 BWOW .5% D60
7.1 water	36
cubic ft.	326
height	1280
bbls	58

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

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

Rest hole 5.6 bbls @ 10 lb
Mouse 3.7 bbls @ 10 lb

Test 1500

Mud

10 Spacer

28 Lead 10

58 Tail 13.8

90.7 Displacement

750 Maximum Pressure

Pump time @ 6 BPM 29 MIN

Customer: KCC OXY USA, INC.						Job Number: 2205440493							
Well: BAUGHMAN A-1			Location (legal): DEC 16 2002			Schlumberger Location: Ulysses, KS			Job Start: 2002-Sep-26				
Field:		Formation Name/Type: CONFIDENTIAL			Deviation:		Bit Size: in	Well MD: 3,158 ft	Well TVD: 3,158 ft				
County: Haskell		State/Province: KS			BHP: psi	BHST: °F	BHCT: °F	Pore Press. Gradient: psi/ft					
Well Master: 0630443307		API / UWI:			Casing/Liner								
Rig Name: Murphin		Drilled For: Gas		Service Via: Land		Depth, ft:	Size, in:	Weight, lb/ft:	Grade:	Thread:			
Offshore Zone:		Well Class: New		Well Type: Exploration		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: BlkSqz Rpr Prod. Casing				Perforations/Open Hole							
Max. Allowed Tubing Pressure: psi		Max. Allowed Ann. Pressure: psi		Wellhead Connection: 2 3/8 TUBING		Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval: ft			
Service Instructions Safely cement port collar up in casing as per customer's request 10 bbls water ahead - 10 bbls CW 100 - 135 Sks Cement Blend - displace						0		0		Diameter: in			
						Treat Down: Casing		Displacement: bbl		Packer Type:		Packer Depth: ft	
						Tubing Vol.: 12.2 bbl		Casing Vol.: bbl		Annular Vol.: bbl		Open Hole Vol.: bbl	
						Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			Squeeze Job
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type:					
No. Centralizers: Top Plugs:		Bottom Plugs:		Shoe Depth: ft		Stage Tool Type:		Tool Type: PORT-COLLAR					
Cement Head Type:		Stage Tool Depth: ft		Stage Tool Depth: ft		Tail Pipe Size: in		Tool Depth: 3158 ft					
Job Scheduled For:		Arrived on Location: 2002-Sep-26 2:00		Leave Location: 2002-Sep-26 17:00		Collar Type:		Tail Pipe Depth: 0 ft					
						Collar Depth: ft		Sqz Total Vol: 0 bbl					
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message				
	<small>24 hr clock</small>	<small>psi</small>	<small>bbl/min</small>	<small>lb/gal</small>	<small>bbl</small>	<small>0</small>	<small>0</small>	<small>0</small>					
2002-Sep-26	15:15	-15	0.0	24.99	0.0	0	0	0					
2002-Sep-26	15:15	-15	0.0	24.99	0.0	0	0	0					
2002-Sep-26	15:15	-10	0.0	24.99	0.0	0	0	0					
2002-Sep-26	15:15								Pressure Test Lines				
2002-Sep-26	15:15								Pressure Test Lines				
2002-Sep-26	15:15	-10	0.0	24.99	0.0	0	0	0					
2002-Sep-26	15:15	-19	0.0	8.47	0.0	0	0	0					
2002-Sep-26	15:15	-19	0.0	8.47	0.0	0	0	0					
2002-Sep-26	15:16	-19	0.0	8.47	0.0	0	0	0					
2002-Sep-26	15:16	-19	0.0	8.47	0.0	0	0	0					
2002-Sep-26	15:17	-5	0.0	8.41	0.0	0	0	0					
2002-Sep-26	15:17	-5	0.0	8.41	0.0	0	0	0					
2002-Sep-26	15:17	-15	0.0	8.38	0.0	0	0	0					
2002-Sep-26	15:17	-15	0.0	8.38	0.0	0	0	0					
2002-Sep-26	15:18	17	2.8	5.83	0.2	0	0	0					
2002-Sep-26	15:18	17	2.8	5.83	0.2	0	0	0					
2002-Sep-26	15:19	1194	0.9	8.38	1.1	0	0	0					
2002-Sep-26	15:19	1194	0.9	8.38	1.1	0	0	0					
2002-Sep-26	15:19	1551	0.0	8.38	1.2	0	0	0					
2002-Sep-26	15:19	1551	0.0	8.38	1.2	0	0	0					
2002-Sep-26	15:20	1555	0.0	8.38	1.2	0	0	0					
2002-Sep-26	15:20	1555	0.0	8.38	1.2	0	0	0					

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Well		Field				Service Date		Customer		Job Number
BAUGHMAN #A-1						02269-Sep-26		OXY USA, INC.		2205440493
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0		
2002-Sep-26	15:20	960	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:20	960	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:20								Bleed Off Pressure	
2002-Sep-26	15:20								Bleed Off Pressure	
2002-Sep-26	15:21	507	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:21	507	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:21								Reset Total, Vol = 1.18 bbl	
2002-Sep-26	15:21								Reset Total, Vol = 1.18 bbl	
2002-Sep-26	15:21	260	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:21	260	0.0	8.38	1.2	0	0	0		
2002-Sep-26	15:21	306	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:21	306	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:22	278	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:22	278	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:23	-19	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:23	-19	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:23	-5	0.8	8.37	0.0	0	0	0		
2002-Sep-26	15:23	-5	0.8	8.37	0.0	0	0	0		
2002-Sep-26	15:23	-33	0.0	8.37	0.3	0	0	0		
2002-Sep-26	15:23								Start Pumping Water	
2002-Sep-26	15:23	-33	0.0	8.37	0.3	0	0	0		
2002-Sep-26	15:23								Start Pumping Water	
2002-Sep-26	15:24	-28	0.0	8.38	0.3	0	0	0		
2002-Sep-26	15:24								Reset Total, Vol = 0.27 bbl	
2002-Sep-26	15:24	-28	0.0	8.38	0.3	0	0	0		
2002-Sep-26	15:24								Reset Total, Vol = 0.27 bbl	
2002-Sep-26	15:24	-10	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:24	-10	0.0	8.38	0.0	0	0	0		
2002-Sep-26	15:25	347	3.1	8.38	1.7	0	0	0		
2002-Sep-26	15:25	347	3.1	8.38	1.7	0	0	0		
2002-Sep-26	15:25	384	3.1	8.38	3.8	0	0	0		
2002-Sep-26	15:25	384	3.1	8.38	3.8	0	0	0		
2002-Sep-26	15:26	397	3.1	8.38	5.9	0	0	0		
2002-Sep-26	15:26	397	3.1	8.38	5.9	0	0	0		
2002-Sep-26	15:27	416	3.1	8.38	8.0	0	0	0		
2002-Sep-26	15:27	416	3.1	8.38	8.0	0	0	0		
2002-Sep-26	15:27								End Water	
2002-Sep-26	15:27								End Water	
2002-Sep-26	15:27	439	3.1	8.38	10.0	0	0	0		
2002-Sep-26	15:27	439	3.1	8.38	10.0	0	0	0		
2002-Sep-26	15:27	443	3.1	8.38	10.0	0	0	0		
2002-Sep-26	15:27								Reset Total, Vol = 10.03 bbl	
2002-Sep-26	15:27								Reset Total, Vol = 10.03 bbl	
2002-Sep-26	15:27	443	3.1	8.38	10.0	0	0	0		
2002-Sep-26	15:27	439	3.1	8.38	0.1	0	0	0		
2002-Sep-26	15:27	439	3.1	8.38	0.1	0	0	0		
2002-Sep-26	15:27								Start Pumping Wash	
2002-Sep-26	15:27	443	3.1	8.38	0.2	0	0	0		
2002-Sep-26	15:27								Start Pumping Wash	
2002-Sep-26	15:27	443	3.1	8.38	0.2	0	0	0		
2002-Sep-26	15:28	461	3.1	8.38	2.2	0	0	0		
2002-Sep-26	15:28	461	3.1	8.38	2.2	0	0	0		
2002-Sep-26	15:29	471	3.1	8.38	4.3	0	0	0		
2002-Sep-26	15:29	471	3.1	8.38	4.3	0	0	0		

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN #A-1					02269-Sep-26		OXY USA, INC.		2205440493
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2002-Sep-26	15:29	493	3.1	8.38	6.4	0	0	0	KCC
2002-Sep-26	15:29	493	3.1	8.38	6.4	0	0	0	
2002-Sep-26	15:30	512	3.1	8.38	8.5	0	0	0	DEC 16 2004
2002-Sep-26	15:30	512	3.1	8.38	8.5	0	0	0	
2002-Sep-26	15:31	530	3.1	8.29	10.6	0	0	0	CONFIDENTIAL
2002-Sep-26	15:31	530	3.1	8.29	10.6	0	0	0	
2002-Sep-26	15:31	521	3.1	8.33	12.0	0	0	0	
2002-Sep-26	15:31								End Wash
2002-Sep-26	15:31	521	3.1	8.33	12.0	0	0	0	
2002-Sep-26	15:31								End Wash
2002-Sep-26	15:31								Start Pumping Spacer
2002-Sep-26	15:31								Start Pumping Spacer
2002-Sep-26	15:31	530	3.1	8.33	12.1	0	0	0	
2002-Sep-26	15:31	530	3.1	8.33	12.1	0	0	0	
2002-Sep-26	15:31	521	3.1	8.33	12.2	0	0	0	
2002-Sep-26	15:31	521	3.1	8.33	12.2	0	0	0	
2002-Sep-26	15:31								Reset Total, Vol = 12.17 bbl
2002-Sep-26	15:31								Reset Total, Vol = 12.17 bbl
2002-Sep-26	15:31	535	3.1	8.33	0.5	0	0	0	
2002-Sep-26	15:31	535	3.1	8.33	0.5	0	0	0	
2002-Sep-26	15:31	544	3.1	8.33	0.9	0	0	0	
2002-Sep-26	15:31								End Spacer
2002-Sep-26	15:31	544	3.1	8.33	0.9	0	0	0	
2002-Sep-26	15:31								End Spacer
2002-Sep-26	15:31	558	3.1	8.34	1.1	0	0	0	
2002-Sep-26	15:31								Start Cement Slurry
2002-Sep-26	15:31	558	3.1	8.34	1.1	0	0	0	
2002-Sep-26	15:31								Start Cement Slurry
2002-Sep-26	15:31	562	3.1	8.35	1.2	0	0	0	
2002-Sep-26	15:31								Reset Total, Vol = 1.20 bbl
2002-Sep-26	15:31	562	3.1	8.35	1.2	0	0	0	
2002-Sep-26	15:31								Reset Total, Vol = 1.20 bbl
2002-Sep-26	15:32	690	3.8	11.63	1.4	0	0	0	
2002-Sep-26	15:32	690	3.8	11.63	1.4	0	0	0	
2002-Sep-26	15:33	690	3.9	14.09	4.0	0	0	0	
2002-Sep-26	15:33	690	3.9	14.09	4.0	0	0	0	
2002-Sep-26	15:33	727	3.9	14.36	6.7	0	0	0	
2002-Sep-26	15:33	727	3.9	14.36	6.7	0	0	0	
2002-Sep-26	15:34	709	3.9	14.28	9.3	0	0	0	
2002-Sep-26	15:34	709	3.9	14.28	9.3	0	0	0	
2002-Sep-26	15:35	681	3.9	14.03	11.9	0	0	0	
2002-Sep-26	15:35	681	3.9	14.03	11.9	0	0	0	
2002-Sep-26	15:35	709	3.9	14.20	14.5	0	0	0	
2002-Sep-26	15:35	709	3.9	14.20	14.5	0	0	0	
2002-Sep-26	15:36	754	3.9	13.82	17.1	0	0	0	
2002-Sep-26	15:36	754	3.9	13.82	17.1	0	0	0	
2002-Sep-26	15:37	759	3.9	14.30	19.7	0	0	0	
2002-Sep-26	15:37	759	3.9	14.30	19.7	0	0	0	
2002-Sep-26	15:37	754	3.9	13.66	22.4	0	0	0	
2002-Sep-26	15:37	754	3.9	13.66	22.4	0	0	0	
2002-Sep-26	15:38	786	3.9	13.93	25.0	0	0	0	
2002-Sep-26	15:38	786	3.9	13.93	25.0	0	0	0	
2002-Sep-26	15:39	805	3.9	13.90	27.7	0	0	0	
2002-Sep-26	15:39	805	3.9	13.90	27.7	0	0	0	

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Well		Service Date				Customer			Job Number
BAUGHMAN #A-1		02269-Sep-26				OXY USA, INC.			220544003
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2002-Sep-26	15:39	828	3.9	13.91	30.3	0	0	0	KCC
2002-Sep-26	15:39	828	3.9	13.91	30.3	0	0	0	
2002-Sep-26	15:40	864	3.9	13.89	32.9	0	0	0	DEC 16 2002
2002-Sep-26	15:40	864	3.9	13.89	32.9	0	0	0	
2002-Sep-26	15:41	846	3.9	13.88	35.5	0	0	0	CONFIDENTIAL
2002-Sep-26	15:41	846	3.9	13.88	35.5	0	0	0	
2002-Sep-26	15:41	901	3.9	13.88	38.1	0	0	0	
2002-Sep-26	15:41	901	3.9	13.88	38.1	0	0	0	
2002-Sep-26	15:42	892	3.9	13.88	40.8	0	0	0	
2002-Sep-26	15:42	892	3.9	13.88	40.8	0	0	0	
2002-Sep-26	15:43	892	3.9	13.99	43.4	0	0	0	
2002-Sep-26	15:43	892	3.9	13.99	43.4	0	0	0	
2002-Sep-26	15:43	928	3.9	13.48	46.0	0	0	0	
2002-Sep-26	15:43	928	3.9	13.48	46.0	0	0	0	
2002-Sep-26	15:44	933	3.9	13.84	48.6	0	0	0	
2002-Sep-26	15:44	933	3.9	13.84	48.6	0	0	0	
2002-Sep-26	15:45	933	3.9	13.84	51.2	0	0	0	
2002-Sep-26	15:45	933	3.9	13.84	51.2	0	0	0	
2002-Sep-26	15:45	970	3.9	14.13	53.8	0	0	0	
2002-Sep-26	15:45	970	3.9	14.13	53.8	0	0	0	
2002-Sep-26	15:45								End Cement Slurry
2002-Sep-26	15:45	-19	1.2	14.11	54.5	0	0	0	
2002-Sep-26	15:45	-19	1.2	14.11	54.5	0	0	0	
2002-Sep-26	15:45								End Cement Slurry
2002-Sep-26	15:46	-24	0.0	14.01	54.5	0	0	0	
2002-Sep-26	15:46								Reset Total, Vol = 54.52 bbl
2002-Sep-26	15:46								Reset Total, Vol = 54.52 bbl
2002-Sep-26	15:46	-24	0.0	14.01	54.5	0	0	0	
2002-Sep-26	15:46	-24	0.0	13.98	0.0	0	0	0	
2002-Sep-26	15:46	-24	0.0	13.98	0.0	0	0	0	
2002-Sep-26	15:47	-28	0.0	13.90	0.0	0	0	0	
2002-Sep-26	15:47	-28	0.0	13.90	0.0	0	0	0	
2002-Sep-26	15:47	-24	0.0	13.86	0.0	0	0	0	
2002-Sep-26	15:47								Start Displacement
2002-Sep-26	15:47	-24	0.0	13.86	0.0	0	0	0	
2002-Sep-26	15:47								Start Displacement
2002-Sep-26	15:47	-24	2.2	13.78	0.7	0	0	0	
2002-Sep-26	15:47	-24	2.2	13.78	0.7	0	0	0	
2002-Sep-26	15:48	361	2.4	13.78	2.2	0	0	0	
2002-Sep-26	15:48	361	2.4	13.78	2.2	0	0	0	
2002-Sep-26	15:49	539	2.8	13.78	3.9	0	0	0	
2002-Sep-26	15:49	539	2.8	13.78	3.9	0	0	0	
2002-Sep-26	15:49	654	2.8	13.78	5.8	0	0	0	
2002-Sep-26	15:49	654	2.8	13.78	5.8	0	0	0	
2002-Sep-26	15:50	722	2.8	13.80	7.6	0	0	0	
2002-Sep-26	15:50	722	2.8	13.80	7.6	0	0	0	
2002-Sep-26	15:51	814	2.8	13.83	9.6	0	0	0	
2002-Sep-26	15:51	814	2.8	13.83	9.6	0	0	0	
2002-Sep-26	15:51	841	2.8	13.86	11.4	0	0	0	
2002-Sep-26	15:51	841	2.8	13.86	11.4	0	0	0	
2002-Sep-26	15:52								End Displacement
2002-Sep-26	15:52	530	0.0	13.88	11.8	0	0	0	
2002-Sep-26	15:52	530	0.0	13.88	11.8	0	0	0	
2002-Sep-26	15:52								End Displacement

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Well		Field				Service Date		Customer		Job Number
BAUGHMAN #A-1						02269-Sep-26		OXY USA, INC.		2205440493
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2002-Sep-26	15:52								Reset Total, Vol = 11.77 bbl	
2002-Sep-26	15:52	475	0.0	13.88	11.8	0	0	0		
2002-Sep-26	15:52	475	0.0	13.88	11.8	0	0	0		
2002-Sep-26	15:52								Reset Total, Vol = 11.77 bbl	
2002-Sep-26	15:52	429	0.0	13.84	0.0	0	0	0		
2002-Sep-26	15:52	429	0.0	13.84	0.0	0	0	0		
2002-Sep-26	15:52								Pressure Test Lines	
2002-Sep-26	15:52	429	0.0	13.75	0.0	0	0	0		
2002-Sep-26	15:52	429	0.0	13.75	0.0	0	0	0		
2002-Sep-26	15:52								Pressure Test Lines	
2002-Sep-26	15:53	695	0.4	13.78	0.1	0	0	0		
2002-Sep-26	15:53	695	0.4	13.78	0.1	0	0	0		
2002-Sep-26	15:53	1491	0.0	13.86	0.3	0	0	0		
2002-Sep-26	15:53	1491	0.0	13.86	0.3	0	0	0		
2002-Sep-26	15:54	1459	0.0	13.90	0.3	0	0	0		
2002-Sep-26	15:54								Bleed Off Pressure	
2002-Sep-26	15:54	1459	0.0	13.90	0.3	0	0	0		
2002-Sep-26	15:54								Bleed Off Pressure	
2002-Sep-26	15:54	1304	0.0	13.90	0.3	0	0	0		
2002-Sep-26	15:54	1304	0.0	13.90	0.3	0	0	0		
2002-Sep-26	15:55	-15	0.0	13.93	0.3	0	0	0		
2002-Sep-26	15:55	-15	0.0	13.93	0.3	0	0	0		
2002-Sep-26	15:55	-19	0.0	13.95	0.3	0	0	0		
2002-Sep-26	15:55	-19	0.0	13.95	0.3	0	0	0		
2002-Sep-26	15:56	-15	0.0	13.99	0.3	0	0	0		
2002-Sep-26	15:56	-15	0.0	13.99	0.3	0	0	0		
2002-Sep-26	15:57	-19	0.0	9.00	0.3	0	0	0		
2002-Sep-26	15:57	-19	0.0	9.00	0.3	0	0	0		
2002-Sep-26	15:57	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	15:57	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	15:58	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:58	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:59	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:59	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:59	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:59	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	15:59	-19	0.0	9.01	0.3	0	0	0		
2002-Sep-26	16:00	-15	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:00	-15	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:01	-15	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:01	-15	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:01	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:01	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:02	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:02	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:03	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:03	-19	0.0	8.98	0.3	0	0	0		
2002-Sep-26	16:03	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:03	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:04	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:04	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:05	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:05	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:05	-10	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:05	-10	0.0	8.99	0.3	0	0	0		

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Well		Field				Service Date		Customer		Job Number
BAUGHMAN #A-1						02269-Sep-26		OXY USA, INC.		2205440493
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2002-Sep-26	16:05								Start Pumping Water	
2002-Sep-26	16:05	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:05								Start Pumping Water	
2002-Sep-26	16:05	-19	0.0	8.99	0.3	0	0	0		
2002-Sep-26	16:06	59	1.3	8.99	0.4	0	0	0		
2002-Sep-26	16:06	59	1.3	8.99	0.4	0	0	0		
2002-Sep-26	16:07	416	3.1	8.99	1.9	0	0	0		
2002-Sep-26	16:07	416	3.1	8.99	1.9	0	0	0		
2002-Sep-26	16:07	745	3.9	9.00	4.3	0	0	0		
2002-Sep-26	16:07	745	3.9	9.00	4.3	0	0	0		
2002-Sep-26	16:08	754	3.9	9.00	6.9	0	0	0		
2002-Sep-26	16:08	754	3.9	9.00	6.9	0	0	0		
2002-Sep-26	16:09	754	3.9	9.01	9.5	0	0	0		
2002-Sep-26	16:09	754	3.9	9.01	9.5	0	0	0		
2002-Sep-26	16:09	745	3.9	9.01	12.1	0	0	0		
2002-Sep-26	16:09	745	3.9	9.01	12.1	0	0	0		
2002-Sep-26	16:10	713	3.9	9.01	14.7	0	0	0		
2002-Sep-26	16:10	713	3.9	9.01	14.7	0	0	0		
2002-Sep-26	16:11	718	3.9	9.01	17.4	0	0	0		
2002-Sep-26	16:11	718	3.9	9.01	17.4	0	0	0		
2002-Sep-26	16:11	713	3.9	9.01	20.1	0	0	0		
2002-Sep-26	16:11	713	3.9	9.01	20.1	0	0	0		
2002-Sep-26	16:12	713	3.9	9.02	22.7	0	0	0		
2002-Sep-26	16:12	713	3.9	9.02	22.7	0	0	0		
2002-Sep-26	16:13	718	3.9	9.02	25.3	0	0	0		
2002-Sep-26	16:13	718	3.9	9.02	25.3	0	0	0		
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13								End Water	
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13								End Water	
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13								Stop Pumping	
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13								Stop Pumping	
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13								Shutdown	
2002-Sep-26	16:13								Shutdown	
2002-Sep-26	16:13	-19	0.0	9.02	26.4	0	0	0		
2002-Sep-26	16:13	-19	0.0	9.02	26.4	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
2.8			4	55			0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
950	910	350			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To ft			
%	55 bbl	11.7 bbl	70 °F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed		
Gregg, Fillpot,			Strano, Douglas				

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Date	9/26/2002
Company	OXY
Job Number	2205440493
Well Name	BAUGHMAN
Well Number	A-1
County	HASKELL
State	KANSAS

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Pipe Size	2 3/8
Pipe Weight	4.7
Pipe Depth	3158
Shoe Length	0
Insert Depth	3158
Hole Size	4 1/2
Hole Depth	3158

1st System	
200 sacks	50/50 POZ+2%BWOB
1.55 yield	D20+5LBS/SK D53
13.8 weight	3% M117BWOB+.5%D60
7.1 water	33.8
cubic ft.	310
height	1219
bbls	55.2

Pipe Volume	12
Annular Volume	176
Total Cement	55
Total Water	247

188

Pipe Factor	0.00387
Annular Factor	0.0558
Height Factor	3.9331

2nd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Casing lift 3350
 Cement lift 898

Schlumberger

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

Test 1500

10 CW7

2 Spacer

55 Lead 13.8

0 Tail 0

12.2 Displacement

750 Maximum Pressure

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

Pump time @ 6 BPM

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Schlumberger

Cementing Service Report

Customer OXY USA, INC.	Job Number 2205440624
---------------------------	--------------------------

Well BAUGHMAN A-1		Location (Legal) KCC		Schlumberger Location Ulysses, KS		Job Start 2002-Sep-03			
Field		Formation Name/Type DEC 16 2002		Bit Size in		Well MD 1,775 ft			
County Haskell		State/Province KS		BHP psi		BHST °F			
Well Master: 0630443307		API / UWI:		Casing/Liner					
Rig Name Murphin		Drilled For Gas		Service Via Land		Depth, ft 1777.66			
Offshore Zone		Well Class New		Well Type Exploration		Size, in 8.63			
Drilling Fluid Type		Max. Density 9.4 lb/gal		Plastic Viscosity 37 cp		Weight, lb/ft 24			
Service Line Cementing		Job Type Cem Surface Casing		Grade K55		Thread 8RD			
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 8 5/8 cement head		Perforations/Open Hole			
Service Instructions Safely cement surface casing as per customer request		Top, ft		Bottom, ft		Total Interval ft			
		Diameter in		Treat Down Casing		Displacement 110.5 bbl			
		Packer Type		Packer Depth ft		Tubing Vol. bbl			
		Casing Vol. 113 bbl		Annular Vol. bbl		Open Hole Vol. bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: bull nose			
No. Centralizers: 5		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 1762 ft			
Cement Head Type:		Job Scheduled For: 2002-Sep-03 18:00		Arrived on Location: 2002-Sep-03 18:00		Leave Location: 2002-Sep-03 22:00			
						Stage Tool Type: ft			
						Tail Pipe Size: in			
						Collar Type: Auto-Fill			
						Collar Depth: 1719.68 ft			
						Sqz Total Vol: bbl			
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message
2002-Sep-03	19:35	-15	0.0	8.25	0.0	0	0	0	
2002-Sep-03	19:35	-15	0.0	8.25	0.0	0	0	0	
2002-Sep-03	19:35								Pressure Test Lines
2002-Sep-03	19:35								Reset Total, Vol = 0.00 bbl
2002-Sep-03	19:35	-19	0.0	8.25	0.0	0	0	0	
2002-Sep-03	19:36	-19	0.0	8.25	0.0	0	0	0	
2002-Sep-03	19:37	-15	0.0	8.25	0.0	0	0	0	
2002-Sep-03	19:37	1578	0.0	8.23	0.3	0	0	0	
2002-Sep-03	19:38	1459	0.0	8.23	0.3	0	0	0	
2002-Sep-03	19:38	237	0.0	8.23	0.3	0	0	0	
2002-Sep-03	19:38								Bleed Off Pressure
2002-Sep-03	19:38	136	0.0	8.23	0.3	0	0	0	
2002-Sep-03	19:38								Reset Total, Vol = 0.32 bbl
2002-Sep-03	19:38								Start Pumping Spacer
2002-Sep-03	19:38	-1	0.0	8.23	0.0	0	0	0	
2002-Sep-03	19:39	13	0.0	8.23	0.0	0	0	0	
2002-Sep-03	19:40	-19	0.0	8.23	0.0	0	0	0	
2002-Sep-03	19:41	136	6.7	8.25	4.0	0	0	0	
2002-Sep-03	19:42	95	6.1	8.22	9.2	0	0	0	
2002-Sep-03	19:42	40	4.6	8.25	13.7	0	0	0	
2002-Sep-03	19:43								Stopped Acquisition
2002-Sep-03	19:43								Started Acquisition

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Well		Field			Service Date		Customer		Job Number
BAUGHMAN #A-1					02246-Sep-03		OXY USA, INC.		2205440624
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	KCC
2002-Sep-03	19:44	91	6.1	8.25	0.1	0	0	0	DEC 16 2002
2002-Sep-03	19:45	127	6.7	8.25	2.0	0	0	0	
2002-Sep-03	19:45	136	6.7	8.25	7.6	0	0	0	CONFIDENTIAL
2002-Sep-03	19:46								Stopped Acquisition
2002-Sep-03	19:46								Started Acquisition
2002-Sep-03	19:46	91	6.1	8.25	0.1	0	0	0	
2002-Sep-03	19:47								Stopped Acquisition
2002-Sep-03	19:47								Started Acquisition
2002-Sep-03	19:47	164	7.0	8.26	0.1	0	0	0	
2002-Sep-03	19:47	123	6.2	8.26	1.2	0	0	0	
2002-Sep-03	19:48								Start Mixing Lead Slurry
2002-Sep-03	19:48	136	6.1	9.07	3.2	0	0	0	
2002-Sep-03	19:48	132	6.1	9.77	3.4	0	0	0	
2002-Sep-03	19:48								Reset Total, Vol = 3.43 bbl
2002-Sep-03	19:48	164	6.1	12.56	2.8	0	0	0	
2002-Sep-03	19:49	159	6.1	12.50	8.0	0	0	0	
2002-Sep-03	19:50	150	6.2	12.23	13.1	0	0	0	
2002-Sep-03	19:51	150	6.2	12.17	18.2	0	0	0	
2002-Sep-03	19:51	164	6.4	12.50	23.5	0	0	0	
2002-Sep-03	19:52	150	6.4	12.43	28.8	0	0	0	
2002-Sep-03	19:53	146	6.4	12.17	34.1	0	0	0	
2002-Sep-03	19:54	127	6.4	12.34	39.5	0	0	0	
2002-Sep-03	19:55	123	6.4	12.37	44.8	0	0	0	
2002-Sep-03	19:56	132	6.4	12.21	50.1	0	0	0	
2002-Sep-03	19:56	118	6.4	12.26	55.6	0	0	0	
2002-Sep-03	19:57	123	6.4	12.41	60.9	0	0	0	
2002-Sep-03	19:58	109	6.4	12.27	66.3	0	0	0	
2002-Sep-03	19:59	123	6.4	12.66	71.7	0	0	0	
2002-Sep-03	20:00	127	6.4	13.28	77.0	0	0	0	
2002-Sep-03	20:01	141	6.4	12.49	82.4	0	0	0	
2002-Sep-03	20:01	141	6.4	12.59	87.7	0	0	0	
2002-Sep-03	20:02	127	6.4	12.45	93.1	0	0	0	
2002-Sep-03	20:03	114	6.4	12.34	98.4	0	0	0	
2002-Sep-03	20:04	146	6.2	12.48	103.8	0	0	0	
2002-Sep-03	20:05	114	6.3	12.08	109.0	0	0	0	
2002-Sep-03	20:06	136	6.3	12.43	114.2	0	0	0	
2002-Sep-03	20:06	118	6.3	12.58	119.4	0	0	0	
2002-Sep-03	20:07	104	6.3	12.21	124.6	0	0	0	
2002-Sep-03	20:08	136	6.3	12.58	129.9	0	0	0	
2002-Sep-03	20:09	141	6.3	12.45	135.2	0	0	0	
2002-Sep-03	20:10	100	6.3	12.01	140.4	0	0	0	
2002-Sep-03	20:11	141	6.3	12.85	145.6	0	0	0	
2002-Sep-03	20:11	146	6.3	12.66	150.9	0	0	0	
2002-Sep-03	20:12	114	6.3	12.46	156.1	0	0	0	
2002-Sep-03	20:13	114	6.2	12.14	161.3	0	0	0	
2002-Sep-03	20:14	114	6.2	12.85	166.5	0	0	0	
2002-Sep-03	20:15	109	6.0	12.90	171.6	0	0	0	
2002-Sep-03	20:16	146	6.6	12.32	176.5	0	0	0	
2002-Sep-03	20:16	146	6.3	12.51	181.8	0	0	0	
2002-Sep-03	20:17	146	6.5	12.91	187.0	0	0	0	
2002-Sep-03	20:18	146	6.5	12.43	192.4	0	0	0	
2002-Sep-03	20:19	141	6.5	12.46	197.8	0	0	0	
2002-Sep-03	20:20	114	6.5	12.43	203.3	0	0	0	
2002-Sep-03	20:21	146	6.5	12.27	208.7	0	0	0	

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Well		Field				Service Date		Customer		Job Number
BAUGHMAN #A-1						02246-Sep-03		OXY USA, INC.		2205440624
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2002-Sep-03	20:21	146	6.5	12.72	214.1	0	0	0	KCC DEC 16 2002	
2002-Sep-03	20:22	136	6.5	12.68	219.4	0	0	0		
2002-Sep-03	20:23	146	6.4	13.17	224.8	0	0	0	CONFIDENTIAL	
2002-Sep-03	20:24	164	7.2	13.38	227.8	0	0	0		
2002-Sep-03	20:24								End Lead Slurry	
2002-Sep-03	20:24	168	7.1	13.44	227.9	0	0	0	Start Mixing Tail Slurry	
2002-Sep-03	20:24								Reset Total, Vol = 228.29 bbl	
2002-Sep-03	20:24	173	7.0	13.60	228.3	0	0	0		
2002-Sep-03	20:24	187	6.9	13.98	1.9	0	0	0		
2002-Sep-03	20:25	219	6.9	14.59	7.6	0	0	0		
2002-Sep-03	20:26	242	6.9	14.96	13.3	0	0	0		
2002-Sep-03	20:26	159	5.6	15.31	18.7	0	0	0		
2002-Sep-03	20:27	214	6.7	15.01	24.1	0	0	0		
2002-Sep-03	20:28	228	6.7	15.16	29.7	0	0	0		
2002-Sep-03	20:29	219	6.7	15.23	35.2	0	0	0		
2002-Sep-03	20:30	-19	0.0	15.55	36.5	0	0	0		
2002-Sep-03	20:30	-19	0.0	15.55	36.5	0	0	0		
2002-Sep-03	20:30								End Tail Slurry	
2002-Sep-03	20:30	-19	0.0	15.55	36.5	0	0	0		
2002-Sep-03	20:30								Reset Total, Vol = 36.47 bbl	
2002-Sep-03	20:30								Drop Top Plug	
2002-Sep-03	20:30	-19	0.0	15.55	0.0	0	0	0		
2002-Sep-03	20:30	-19	0.0	15.55	0.0	0	0	0		
2002-Sep-03	20:30								Start Displacement	
2002-Sep-03	20:31	-19	0.0	15.55	0.0	0	0	0		
2002-Sep-03	20:32	-24	0.0	15.55	0.0	0	0	0		
2002-Sep-03	20:32	95	4.4	14.31	1.1	0	0	0		
2002-Sep-03	20:33	-19	0.0	14.30	2.2	0	0	0		
2002-Sep-03	20:34	-24	0.0	14.30	2.2	0	0	0		
2002-Sep-03	20:35	86	6.3	9.51	5.7	0	0	0		
2002-Sep-03	20:36	68	6.3	8.28	11.0	0	0	0		
2002-Sep-03	20:37	77	6.3	8.55	16.2	0	0	0		
2002-Sep-03	20:37	72	6.3	8.28	21.5	0	0	0		
2002-Sep-03	20:38	40	5.2	8.36	26.4	0	0	0		
2002-Sep-03	20:39	40	5.2	8.28	30.7	0	0	0		
2002-Sep-03	20:40	54	5.2	8.28	35.1	0	0	0		
2002-Sep-03	20:41	59	5.2	8.28	39.4	0	0	0		
2002-Sep-03	20:42	104	5.2	8.28	43.7	0	0	0		
2002-Sep-03	20:42	100	5.2	8.28	48.0	0	0	0		
2002-Sep-03	20:43	123	5.2	8.28	52.4	0	0	0		
2002-Sep-03	20:44	150	5.2	8.28	56.8	0	0	0		
2002-Sep-03	20:45	150	5.2	8.28	61.1	0	0	0		
2002-Sep-03	20:46	155	5.2	8.28	65.4	0	0	0		
2002-Sep-03	20:47	173	5.1	8.28	69.7	0	0	0		
2002-Sep-03	20:47	200	5.2	8.28	74.1	0	0	0		
2002-Sep-03	20:48	214	5.2	8.28	78.4	0	0	0		
2002-Sep-03	20:49	246	5.2	8.28	82.7	0	0	0		
2002-Sep-03	20:50	274	5.2	8.27	87.0	0	0	0		
2002-Sep-03	20:51	301	5.2	8.27	91.3	0	0	0		
2002-Sep-03	20:52	338	5.2	8.27	95.7	0	0	0		
2002-Sep-03	20:52	365	5.2	8.27	100.0	0	0	0		
2002-Sep-03	20:53	356	3.0	8.27	103.8	0	0	0		
2002-Sep-03	20:54	356	2.9	8.27	106.3	0	0	0		

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Well		Field		Service Date		Customer		Job Number	
BAUGHMAN #A-1				02246-Sep-03		OXY USA, INC.		2205440624	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0	
2002-Sep-03	20:55	374	2.9	8.27	108.8	0	0	0	KCC DEC 16 2002 CONFIDENTIAL
2002-Sep-03	20:56	388	2.9	8.27	111.2	0	0	0	
2002-Sep-03	20:57	338	0.0	8.27	113.3	0	0	0	
2002-Sep-03	20:57	320	0.0	8.27	113.3	0	0	0	
2002-Sep-03	20:58	320	0.0	8.27	113.3	0	0	0	
2002-Sep-03	20:59	315	0.0	8.27	113.3	0	0	0	
2002-Sep-03	21:00	315	0.0	8.27	113.3	0	0	0	
2002-Sep-03	21:01	315	0.0	8.27	113.3	0	0	0	
2002-Sep-03	21:02	315	0.0	8.27	113.3	0	0	0	
2002-Sep-03	21:02	406	2.7	8.25	113.9	0	0	0	
2002-Sep-03	21:03	416	2.4	8.25	116.1	0	0	0	
2002-Sep-03	21:04	988	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:05	1034	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:05	484	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:05								End Displacement
2002-Sep-03	21:05	425	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:05								Bump Top Plug
2002-Sep-03	21:06	-15	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:07	-10	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:07	-15	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:07								Stop Pumping
2002-Sep-03	21:07	-19	0.0	8.25	118.0	0	0	0	
2002-Sep-03	21:07								Shutdown

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.3			6.8	245	0	10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
450	450	167	1050		bbf	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 40 bbl <input type="checkbox"/> Washed Thru Perfs To ft			
%	245 bbl	110.5 bbl	73 °F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Cal, Wylie			Strano, Douglas				

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KCC
DEC 16 2002
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Date	9/3/2002
Company	OXY
Job Number	2205440624
Well Name	BAUGHMAN
Well Number	A-1
County	HASKELL
State	KANSAS

Pipe Size	8 5/8
Pipe Weight	24
Pipe Depth	1777.66
Shoe Length	42.98
Insert Depth	1734.68
Hole Size	12 1/4
Hole Depth	1775

Pipe Volume	113
Annular Volume	99
Total Cement	245
Total Water	247

212

Pipe Factor	0.0637
Annular Factor	0.0558
Height Factor	3.9331

Casing lift 730
Cement lift 455

1st System	
540 sacks	35/65 POZ/CLASS C
2.18 yield	6% D20+2% S1+ 1/4LB/SK D29
12.3 weight	
12.3 water	158
cubic ft.	1177
height	4630
bbls	210

2nd System	
150 sacks	CLASS C
1.34 yield	2% S1+ 1/4 LB/SK D29
14.8 weight	
6.33 water	23
cubic ft.	201
height	791
bbls	35.8

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

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

Test 1500

Mud

10 Spacer

210 Lead 12.3

36 Tail 14.8

110.5 Displacement

750 Maximum Pressure

Pump time @ 6 BPM 59 MIN