

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999

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WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typed

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: NA
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Company
License: 30606
Wellsite Geologist: Tim Hendrick
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: OXY USA, Inc.
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. _____
09/14/02 09/21/02 09/22/02
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 067-21491-0000
County: Grant
NW - SE - NW - NE Sec 36 Twp. 27 S. R. 36W
759 feet from S (N) (circle one) Line of Section
1774 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Adams O Well #: 1
Field Name: Wildcat
Producing Formation: Dry Hole
Elevation: Ground: 3133 Kelly Bushing: 3144
Total Depth: 5770 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 1742 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.

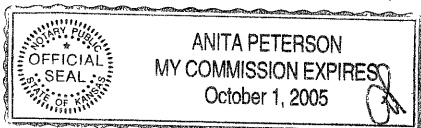
Drilling Fluid Management Plan *Per EOC 26-05*
(Data must be collected from the Reserve Pit)
Chloride content 2000 ppm Fluid volume 1600 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ 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 January 10, 2003
Subscribed and sworn to before me this 10th day of Jan.
20 03
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
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Side Two

Operator Name: OXY USA Inc. Lease Name: Adams O Well #: 1
 Sec. 36 Twp. 27 S. R. 36W 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3995	-849
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	4006	-860
List All E. Logs Run:	Induction Neutron	Lansing	4048	-902
Sonic	Microlog Integrated Cmt Vol	Marmaton	4692	-1546
Geological Report		Cherokee	4852	-1706
		Morrow	5198	-2052
		Chester	5418	-2272
		St. Genieve	5514	-2368
		St. Louis	5613	-2467

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	1742	C	690	35/65 POZ, Gel, Calcium Chloride, Flocele
Production					C		

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
	100 sxs @ 3150'		
	50 sxs @ 1770'		
	40 sxs @ 700'		
	10 sxs @ 40'		

TUBING RECORD			Liner Run	
Size	Set At	Packer At	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. NA		Producing Method		
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <i>Dry Hole</i>		
Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf	Water Bbls	Gas-Oil Ratio Gravity
	0	0	0	

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) P&A

Customer OXY USA, INC.						Job Number 2205440492				
Well ADAMS O 1			Location (legal) KCC			Schlumberger Location Ulysses, KS			Job Start 2002-Sep-16	
Field		Formation Name/Type JAN 10 2003		Deviation		Bit Size in	Well MD 1,745 ft	Well TVD 1,745 ft		
County GRANT		State/Province KS		BHP psi	BHST °F	BHCT °F	Pore Press. Gradient psi/ft			
Well Master: 0630445742		API / UWI:		Casing/Liner						
Rig Name Murphin	Drilled For Gas	Service Via Land		Depth, ft 1757	Size, in 8.63	Weight, lb/ft 24	Grade K55	Thread 8RD		
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe						
Drilling Fluid Type		Max. Density 9.4 lb/gal	Plastic Viscosity cp 34	Depth,	Size, in	Weight, lb/ft	Grade	Thread		
Service Line Cementing	Job Type Cem Surface Casing		Perforations/Open Hole							
Max. Allowed Tubing Pressure 750 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection 8 5/8 CASING		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions Safely cement surface casing as per customer request				Diameter in	Treat Down Casing	Displacement 109.2 bbl	Packer Type	Packer Depth ft		
Tubing Vol. bbl	Casing Vol. 111.9 bbl	Annular Vol. bbl	Open Hole Vol. 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: 722 psi		Shoe Type: Other	Squeeze Type							
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth: 1757 ft	Tool Type:							
No. Centralizers: 5	Top Plugs: 1	Bottom Plugs:	Stage Tool Type:	Tool Depth: ft						
Cement Head Type: Single		Stage Tool Depth: ft	Tail Pipe Size: in							
Job Scheduled For: 2002-Sep-16 2:30		Arrived on Location: 2002-Sep-16 6:30	Leave Location: 2002-Sep-16 6:30	Collar Type: INSERT	Tail Pipe Depth: ft					
Collar Depth: 17137 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-16	4:30	-15	0.0	8.30	0.0	0	0	0		
2002-Sep-16	4:30	8	1.3	8.32	0.2	0	0	0		
2002-Sep-16	4:30								Pressure Test Lines	
2002-Sep-16	4:30	114	1.0	8.31	0.3	0	0	0		
2002-Sep-16	4:31	1519	0.0	8.30	0.4	0	0	0		
2002-Sep-16	4:32								Bleed Off Pressure	
2002-Sep-16	4:32	13	0.0	8.30	0.4	0	0	0		
2002-Sep-16	4:32	8	0.0	8.30	0.4	0	0	0		
2002-Sep-16	4:32								Start Pumping Spacer	
2002-Sep-16	4:32								Reset Total, Vol = 0.37 bbl	
2002-Sep-16	4:32	-15	0.0	8.30	0.0	0	0	0		
2002-Sep-16	4:33	132	5.5	8.37	2.6	0	0	0		
2002-Sep-16	4:34	146	5.6	8.38	6.3	0	0	0		
2002-Sep-16	4:34	146	5.6	8.34	10.1	0	0	0		
2002-Sep-16	4:35	146	5.6	8.34	10.2	0	0	0		
2002-Sep-16	4:35								Reset Total, Vol = 10.18 bbl	
2002-Sep-16	4:35								End Spacer	
2002-Sep-16	4:35	114	5.6	8.34	0.2	0	0	0		
2002-Sep-16	4:35	146	5.6	8.44	0.6	0	0	0		
2002-Sep-16	4:35								Start Mixing Lead Slurry	
2002-Sep-16	4:35	132	5.6	9.04	0.8	0	0	0		

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Well		Field				Service Date		Customer		Job Number
ADAMS O #1						02259-Sep-16		OXY USA, INC.		2205440492
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-16	4:35								Reset Total, Vol = 0.75 bbl	
2002-Sep-16	4:35	164	5.6	11.65	3.0	0	0	0	KCC	
2002-Sep-16	4:36	155	5.7	11.96	6.8	0	0	0		
2002-Sep-16	4:37	164	5.7	12.63	10.6	0	0	0	JAN 1 0 2003	
2002-Sep-16	4:37	155	5.8	12.39	14.4	0	0	0		
2002-Sep-16	4:38	155	5.9	12.43	18.3	0	0	0	CONFIDENTIAL	
2002-Sep-16	4:39	127	5.2	12.32	21.9	0	0	0		
2002-Sep-16	4:39	100	4.7	12.20	25.1	0	0	0		
2002-Sep-16	4:40	91	4.7	12.39	28.2	0	0	0		
2002-Sep-16	4:41	150	5.8	12.27	31.8	0	0	0		
2002-Sep-16	4:41	155	5.8	12.03	35.7	0	0	0		
2002-Sep-16	4:42	146	5.9	12.33	39.6	0	0	0		
2002-Sep-16	4:43	141	5.9	12.37	43.5	0	0	0		
2002-Sep-16	4:43	141	5.9	12.05	47.4	0	0	0		
2002-Sep-16	4:44	150	5.9	12.57	51.3	0	0	0		
2002-Sep-16	4:45	146	5.9	12.36	55.2	0	0	0		
2002-Sep-16	4:45	146	5.9	12.16	59.2	0	0	0		
2002-Sep-16	4:46	146	5.9	12.40	63.1	0	0	0		
2002-Sep-16	4:47	146	5.9	12.11	67.1	0	0	0		
2002-Sep-16	4:47	146	6.0	12.32	71.1	0	0	0		
2002-Sep-16	4:48	146	5.9	12.34	75.1	0	0	0		
2002-Sep-16	4:49	150	6.0	12.54	79.0	0	0	0		
2002-Sep-16	4:49	146	6.0	12.50	83.0	0	0	0		
2002-Sep-16	4:50	146	6.0	12.27	87.0	0	0	0		
2002-Sep-16	4:51	146	6.0	12.25	91.0	0	0	0		
2002-Sep-16	4:51	150	6.0	12.56	95.0	0	0	0		
2002-Sep-16	4:52	150	6.0	12.63	99.0	0	0	0		
2002-Sep-16	4:53	155	6.0	12.57	103.0	0	0	0		
2002-Sep-16	4:53	146	6.0	12.41	107.0	0	0	0		
2002-Sep-16	4:54	146	6.0	12.34	111.0	0	0	0		
2002-Sep-16	4:55	164	6.0	12.35	115.0	0	0	0		
2002-Sep-16	4:55	150	6.0	12.33	119.0	0	0	0		
2002-Sep-16	4:56	146	6.1	12.20	123.1	0	0	0		
2002-Sep-16	4:57	159	6.1	12.71	127.1	0	0	0		
2002-Sep-16	4:57	159	6.1	12.67	131.2	0	0	0		
2002-Sep-16	4:58	146	6.1	11.96	135.2	0	0	0		
2002-Sep-16	4:59	150	6.1	12.27	139.4	0	0	0		
2002-Sep-16	4:59	150	6.1	12.33	143.5	0	0	0		
2002-Sep-16	5:00	146	6.1	12.24	147.5	0	0	0		
2002-Sep-16	5:01	146	6.1	12.40	151.6	0	0	0		
2002-Sep-16	5:01	155	6.1	12.43	155.7	0	0	0		
2002-Sep-16	5:02	155	6.1	12.33	159.7	0	0	0		
2002-Sep-16	5:03	150	6.1	12.25	163.8	0	0	0		
2002-Sep-16	5:03	150	6.1	12.21	167.9	0	0	0		
2002-Sep-16	5:04	159	6.1	12.20	171.9	0	0	0		
2002-Sep-16	5:05	150	6.1	12.23	176.0	0	0	0		
2002-Sep-16	5:05	150	6.1	12.27	180.1	0	0	0		
2002-Sep-16	5:06	155	6.1	12.37	184.1	0	0	0		
2002-Sep-16	5:07	155	6.1	12.43	188.2	0	0	0		
2002-Sep-16	5:07	155	6.1	12.43	192.3	0	0	0		
2002-Sep-16	5:08	178	6.1	13.31	196.3	0	0	0		
2002-Sep-16	5:09	219	6.1	13.97	200.4	0	0	0		
2002-Sep-16	5:09	219	6.1	13.87	200.9	0	0	0		
2002-Sep-16	5:09								End Lead Slurry	

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Well		Field			Service Date		Customer		Job Number
ADAMS O #1					02259-Sep-16		OXY USA, INC.		2205440492
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	
2002-Sep-16	5:09								Start Mixing Tail Slurry
2002-Sep-16	5:09	214	6.1	13.82	201.1	0	0	0	
2002-Sep-16	5:09								Reset Total, Vol = 201.32 bbl
2002-Sep-16	5:09	210	6.1	13.76	201.3	0	0	0	
2002-Sep-16	5:09	210	6.1	14.12	3.2	0	0	0	
2002-Sep-16	5:10	246	6.2	15.06	7.4	0	0	0	KCC
2002-Sep-16	5:11	228	6.1	14.85	11.4	0	0	0	JAN 10 2003
2002-Sep-16	5:11	233	6.1	14.93	15.5	0	0	0	
2002-Sep-16	5:12	228	6.2	14.90	19.6	0	0	0	CONFIDENTIAL
2002-Sep-16	5:13	219	6.1	14.85	23.7	0	0	0	
2002-Sep-16	5:13	228	6.1	14.94	27.8	0	0	0	
2002-Sep-16	5:14	214	6.1	14.68	31.9	0	0	0	
2002-Sep-16	5:15	242	6.1	15.34	36.0	0	0	0	
2002-Sep-16	5:15	-15	0.0	15.35	38.0	0	0	0	
2002-Sep-16	5:15								End Tail Slurry
2002-Sep-16	5:15	-19	0.0	15.35	38.0	0	0	0	
2002-Sep-16	5:15								Drop Top Plug
2002-Sep-16	5:15	-5	0.0	15.35	38.0	0	0	0	
2002-Sep-16	5:15								Reset Total, Vol = 37.98 bbl
2002-Sep-16	5:15								Start Displacement
2002-Sep-16	5:15	-5	0.0	15.35	0.0	0	0	0	
2002-Sep-16	5:15	-5	0.0	15.35	0.0	0	0	0	
2002-Sep-16	5:16	-10	0.0	15.35	0.0	0	0	0	
2002-Sep-16	5:17	-10	0.0	15.35	0.0	0	0	0	
2002-Sep-16	5:17	104	0.0	15.36	0.0	0	0	0	
2002-Sep-16	5:18	-24	0.0	13.63	0.0	0	0	0	
2002-Sep-16	5:19	-24	0.0	12.01	0.0	0	0	0	
2002-Sep-16	5:19								Reset Total, Vol = 0.00 bbl
2002-Sep-16	5:19	-24	0.0	11.57	0.0	0	0	0	
2002-Sep-16	5:19	127	4.1	9.31	0.3	0	0	0	
2002-Sep-16	5:20	95	5.6	9.02	3.7	0	0	0	
2002-Sep-16	5:21	63	5.6	8.33	7.4	0	0	0	
2002-Sep-16	5:21	68	5.6	8.46	11.2	0	0	0	
2002-Sep-16	5:22	63	5.6	8.41	15.1	0	0	0	
2002-Sep-16	5:23	91	5.7	8.31	18.8	0	0	0	
2002-Sep-16	5:23	54	5.6	8.32	22.6	0	0	0	
2002-Sep-16	5:24	81	5.6	8.31	26.3	0	0	0	
2002-Sep-16	5:25	118	5.6	8.31	30.1	0	0	0	
2002-Sep-16	5:25	109	5.6	8.31	33.9	0	0	0	
2002-Sep-16	5:26	141	5.6	8.31	37.6	0	0	0	
2002-Sep-16	5:27	146	5.6	8.31	41.4	0	0	0	
2002-Sep-16	5:27	155	5.6	8.31	45.2	0	0	0	
2002-Sep-16	5:28	164	5.6	8.31	48.9	0	0	0	
2002-Sep-16	5:29	178	5.6	8.31	52.7	0	0	0	
2002-Sep-16	5:29	196	5.6	8.31	56.5	0	0	0	
2002-Sep-16	5:30	214	5.7	8.31	60.2	0	0	0	
2002-Sep-16	5:31	242	5.7	8.31	64.0	0	0	0	
2002-Sep-16	5:31	269	5.7	8.31	67.8	0	0	0	
2002-Sep-16	5:32	297	5.7	8.31	71.6	0	0	0	
2002-Sep-16	5:33	320	5.7	8.31	75.4	0	0	0	
2002-Sep-16	5:33	347	5.7	8.31	79.3	0	0	0	
2002-Sep-16	5:34	370	5.7	8.31	83.1	0	0	0	
2002-Sep-16	5:35	402	5.7	8.31	86.9	0	0	0	
2002-Sep-16	5:35	429	5.7	8.31	90.7	0	0	0	

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Well		Field				Service Date		Customer		Job Number	
ADAMS O #1						02259-Sep-16		OXY USA, INC.		2205440492	
Date	Time	Treating Pressure	Flow Rate	Density	Volume				Message		
	24 hr clock	psi	bbf/min	lb/gal	bbf	0	0	0			
2002-Sep-16	5:36	457	5.8	8.31	94.5	0	0	0	KCC		
2002-Sep-16	5:37	480	5.8	8.31	98.4	0	0	0	JAN 10 2003		
2002-Sep-16	5:37	425	2.9	8.31	101.4	0	0	0	CONFIDENTIAL		
2002-Sep-16	5:38	457	3.0	8.31	103.4	0	0	0			
2002-Sep-16	5:39	452	3.0	8.31	105.4	0	0	0			
2002-Sep-16	5:39	1555	0.0	8.31	106.3	0	0	0			
2002-Sep-16	5:40	1546	0.0	8.31	106.3	0	0	0			
2002-Sep-16	5:40								End Displacement		
2002-Sep-16	5:40	1542	0.0	8.31	106.3	0	0	0			
2002-Sep-16	5:40								Bleed Off Pressure		
2002-Sep-16	5:40	1542	0.0	8.31	106.3	0	0	0			
2002-Sep-16	5:41	-15	0.0	8.31	106.3	0	0	0			
2002-Sep-16	5:41	-15	0.0	8.31	106.3	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				
5.8	0	0	6.1	246	0	0					
Treating Pressure Summary, psi						Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density					
460	460	270	1500	0	0 bbl	lb/gal					
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume		50 bbl					
%	246 bbl	109.2 bbl	70 °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			
FILLPOT, GREGG				Strano, Douglas							

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Date	9/16/2002
Company	OXY
Job Number	2205440492
Well Name	ADAMS
Well Number	0 1
County	GRANT
State	KANSAS

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Pipe Size	8 5/8
Pipe Weight	24
Pipe Depth	1757
Shoe Length	43.3
Insert Depth	1713.7
Hole Size	12 1/4
Hole Depth	1745

1st System	
540 sacks	35/65 POZ/C+6%D20
2.18 yield	2% S1+.25PPS D29
12.2 weight	
12.3 water	158
cubic ft.	1177
height	4630
bbls	210

Pipe Volume	112
Annular Volume	98
Total Cement	245
Total Water	247

210

Pipe Factor	0.0637
Annular Factor	0.0558
Height Factor	3.9331

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

Casing lift 722
 Cement lift 446

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

Test 1500

Mud

10 Spacer

210 Lead 12.2

36 Tail 14.8

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

~~109.2~~ Displacement

108.7

750 Maximum Pressure

Pump time @ 6 BPM

59 MIN

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Customer OXY USA, INC.	JAN 10 2003	Job Number 2205440666
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Well ADAM 1		Location (legal)		Schlumberger Location Ulysses, KS		Job Start 2002-Sep-22			
Field		Formation Name/Type		Deviation 0 °		Well MD 3,150 ft			
County Bee		State/Province KS		BHP psi		Well TVD ft			
Well Master: 0630142688		API / UWI:		BHPST °F		BHCT °F			
Well Master: 0630142688		API / UWI:		Casing/Liner					
Rig Name Murphin		Drilled For Gas		Service Via Land		Depth, ft			
Offshore Zone		Well Class New		Well Type Exploration		Size, in			
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cp		Weight, lb/ft			
Service Line Cementing		Job Type Cem Prod Casing		Grade		Thread			
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		WellHead Connection		Perforations/Open Hole			
Service Instructions Safely P&A well as per customer's request		Top, ft		Bottom, ft		spf			
		0				No. of Shots			
						Total Interval ft			
						Diameter in			
		Treat Down Drill Pipe		Displacement bbl		Packer Type			
		Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. bbl			
						Packer Depth ft			
						OpenHole 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		Shoe Type: None		Shoe Depth: ft		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type:		Tool Type:			
No. Centralizers: 0		Top Plugs: 0		Bottom Plugs: 0		Tool Depth: 0 ft			
Cement Head Type:		Stage Tool Depth: ft		Tail Pipe Size: 0 in		Tail Pipe Depth: 0 ft			
Job Scheduled For:		Arrived on Location: 2002-Sep-22 14:30		Leave Location: 2002-Sep-22 19:00		Collar Type: None			
						Collar Depth: 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-22	14:25	-15	0.0	8.28	0.0	0	0	0	
2002-Sep-22	14:25	-15	0.0	8.28	0.0	0	0	0	
2002-Sep-22	14:25								
2002-Sep-22	14:26	-10	0.0	8.30	0.0	0	0	0	Pressure Test Lines
2002-Sep-22	14:26	2000	0.0	8.28	0.0	0	0	0	
2002-Sep-22	14:26								
2002-Sep-22	14:27	31	0.0	8.28	0.0	0	0	0	Bleed Off Pressure
2002-Sep-22	14:27	22	0.0	8.28	0.0	0	0	0	
2002-Sep-22	14:27								
2002-Sep-22	14:27	49	0.0	8.28	0.0	0	0	0	Reset Total, Vol = 0.01 bbl
2002-Sep-22	14:28	-5	0.0	8.25	0.0	0	0	0	
2002-Sep-22	14:29	-10	0.0	11.36	0.0	0	0	0	
2002-Sep-22	14:29	-10	0.0	12.82	0.0	0	0	0	
2002-Sep-22	14:29								
2002-Sep-22	14:29	-10	0.0	12.82	0.0	0	0	0	MIX 1ST PLUG
2002-Sep-22	14:30	-10	0.0	14.06	0.0	0	0	0	
2002-Sep-22	14:31	-5	0.0	13.33	0.0	0	0	0	
2002-Sep-22	14:31	-10	0.0	12.66	0.0	0	0	0	
2002-Sep-22	14:32								
2002-Sep-22	14:32	59	2.5	12.66	0.1	0	0	0	Reset Total, Vol = 0.05 bbl
2002-Sep-22	14:32	63	3.0	12.66	0.2	0	0	0	
2002-Sep-22	14:32								Start Cement Slurry

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Well		Field			Service Date		Customer			Job Number
ADAM #1					02265-Sep-22		OXY USA, INC.			2205440666
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message	
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	0	0	0	KCC	
2002-Sep-22	14:32	63	3.0	12.66	0.7	0	0	0	JAN 10 2003	
2002-Sep-22	14:33	72	3.0	13.40	2.7	0	0	0	CONFIDENTIAL	
2002-Sep-22	14:33	-15	0.0	12.33	3.2	0	0	0	Reset Total, Vol = 3.21 bbl	
2002-Sep-22	14:34									
2002-Sep-22	14:34	63	0.0	12.03	3.2	0	0	0		
2002-Sep-22	14:34	59	0.0	12.01	3.2	0	0	0		
2002-Sep-22	14:35	54	3.0	11.33	4.9	0	0	0		
2002-Sep-22	14:35	-24	0.0	12.37	6.4	0	0	0		
2002-Sep-22	14:36	63	3.0	12.87	7.4	0	0	0		
2002-Sep-22	14:37	68	3.0	12.89	9.4	0	0	0		
2002-Sep-22	14:37	59	3.0	13.14	11.4	0	0	0		
2002-Sep-22	14:38	81	3.0	12.44	13.5	0	0	0		
2002-Sep-22	14:39	-24	0.0	11.56	14.2	0	0	0		
2002-Sep-22	14:39	178	7.5	9.28	17.3	0	0	0		
2002-Sep-22	14:40	59	4.3	9.31	21.3	0	0	0		
2002-Sep-22	14:41	8	0.0	9.42	24.0	0	0	0		
2002-Sep-22	14:41	8	0.0	9.48	24.0	0	0	0		
2002-Sep-22	14:42	49	0.0	9.38	24.0	0	0	0		
2002-Sep-22	14:43	-5	0.0	9.33	24.0	0	0	0		
2002-Sep-22	14:43	146	2.8	9.38	24.1	0	0	0		
2002-Sep-22	14:44	196	4.9	9.28	26.9	0	0	0		
2002-Sep-22	14:45	233	5.7	9.28	30.8	0	0	0		
2002-Sep-22	14:45	265	5.6	9.29	34.5	0	0	0		
2002-Sep-22	14:46	306	5.5	9.30	38.2	0	0	0		
2002-Sep-22	14:47	342	5.4	9.31	41.8	0	0	0		
2002-Sep-22	14:47	448	5.3	9.31	45.4	0	0	0		
2002-Sep-22	14:48	406	5.3	9.31	48.9	0	0	0		
2002-Sep-22	14:49	13	0.0	9.32	49.2	0	0	0		
2002-Sep-22	14:49								Stop Pumping	
2002-Sep-22	14:49	-5	0.0	9.32	49.2	0	0	0		
2002-Sep-22	16:11	-15	0.0	8.63	49.2	0	0	0		
2002-Sep-22	16:11								Reset Total, Vol = 46.04 bbl	
2002-Sep-22	16:11	-10	0.0	8.63	49.2	0	0	0		
2002-Sep-22	16:11								End Cement Slurry	
2002-Sep-22	16:11	-15	0.0	8.61	49.2	0	0	0		
2002-Sep-22	16:12	-15	0.0	8.54	49.2	0	0	0		
2002-Sep-22	16:12								Reset Total, Vol = 0.00 bbl	
2002-Sep-22	16:12	448	3.0	8.44	0.5	0	0	0		
2002-Sep-22	16:13	301	4.0	8.39	2.5	0	0	0		
2002-Sep-22	16:13	251	3.7	8.34	4.9	0	0	0		
2002-Sep-22	16:14	242	3.7	8.36	7.4	0	0	0		
2002-Sep-22	16:15	59	0.0	8.34	9.7	0	0	0		
2002-Sep-22	16:15	49	0.0	8.50	9.7	0	0	0		
2002-Sep-22	16:16	45	0.0	11.63	9.7	0	0	0		
2002-Sep-22	16:16	45	0.0	12.15	9.7	0	0	0		
2002-Sep-22	16:16								BATCH MIX 2ND PLUG	
2002-Sep-22	16:17	40	0.0	12.80	9.7	0	0	0		
2002-Sep-22	16:17								Reset Total, Vol = 9.73 bbl	
2002-Sep-22	16:17								Start Cement Slurry	
2002-Sep-22	16:17	77	0.0	13.44	9.7	0	0	0		
2002-Sep-22	16:17	77	0.0	13.47	9.7	0	0	0		
2002-Sep-22	16:17								Reset Total, Vol = 0.00 bbl	
2002-Sep-22	16:18	187	3.0	14.02	1.6	0	0	0		
2002-Sep-22	16:19	168	3.8	13.72	3.9	0	0	0		

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Well		Field			Service Date		Customer		Job Number
ADAM #1					02265-Sep-22		OXY USA, INC.		2205440666
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-22	16:19	191	3.9	14.04	6.7	0	0	0	
2002-Sep-22	16:20	168	4.0	14.07	9.4	0	0	0	JAN 10 2003
2002-Sep-22	16:21	187	4.0	13.68	12.0	0	0	0	
2002-Sep-22	16:21	-24	0.0	11.43	13.4	0	0	0	CONFIDENTIAL
2002-Sep-22	16:22	-24	0.0	9.66	13.4	0	0	0	
2002-Sep-22	16:22								End Cement Slurry
2002-Sep-22	16:22	54	0.0	9.65	13.4	0	0	0	
2002-Sep-22	16:22								Start Pumping Spacer
2002-Sep-22	16:22	49	0.0	9.63	13.4	0	0	0	
2002-Sep-22	16:22	54	1.3	9.54	13.4	0	0	0	
2002-Sep-22	16:22								Reset Total, Vol = 13.44 bbl
2002-Sep-22	16:23	59	3.0	9.18	1.1	0	0	0	
2002-Sep-22	16:23								End Spacer
2002-Sep-22	16:23	59	3.4	9.17	1.8	0	0	0	
2002-Sep-22	16:23	54	3.4	9.18	1.9	0	0	0	
2002-Sep-22	16:23								Start Pumping Mud
2002-Sep-22	16:23	59	3.4	9.23	3.4	0	0	0	
2002-Sep-22	16:24	49	3.4	9.26	5.6	0	0	0	
2002-Sep-22	16:25	132	6.0	9.27	8.0	0	0	0	
2002-Sep-22	16:25	141	5.8	9.27	11.9	0	0	0	
2002-Sep-22	16:26	200	5.8	9.26	15.8	0	0	0	
2002-Sep-22	16:27	132	0.2	9.25	19.6	0	0	0	
2002-Sep-22	16:27								End Mud
2002-Sep-22	16:27	-24	0.0	9.25	19.6	0	0	0	
2002-Sep-22	17:04								Start Pumping Water
2002-Sep-22	17:04	-19	0.0	-6.25	19.6	0	0	0	
2002-Sep-22	17:04	-19	0.0	-6.25	19.6	0	0	0	
2002-Sep-22	17:04	-19	0.0	-6.25	19.6	0	0	0	
2002-Sep-22	17:04								Reset Total, Vol = 19.65 bbl
2002-Sep-22	17:04	45	3.0	-6.25	1.3	0	0	0	
2002-Sep-22	17:05	36	3.1	-6.25	3.3	0	0	0	
2002-Sep-22	17:06	-24	0.0	-6.25	5.1	0	0	0	
2002-Sep-22	17:06								End Water
2002-Sep-22	17:06	-5	0.0	-6.25	5.1	0	0	0	
2002-Sep-22	17:06	-5	0.0	-6.25	5.1	0	0	0	
2002-Sep-22	17:07	-5	0.0	-6.25	5.1	0	0	0	
2002-Sep-22	17:08	63	2.4	-6.25	6.4	0	0	0	
2002-Sep-22	17:08	54	3.8	-6.25	8.6	0	0	0	
2002-Sep-22	17:09	68	3.8	-6.25	11.2	0	0	0	
2002-Sep-22	17:10	-28	0.0	-6.25	13.1	0	0	0	
2002-Sep-22	17:10	-24	0.0	-6.25	13.1	0	0	0	
2002-Sep-22	17:11								Reset Total, Vol = 13.55 bbl
2002-Sep-22	17:11	45	1.3	-6.25	13.6	0	0	0	
2002-Sep-22	17:11	49	1.3	-6.25	0.2	0	0	0	
2002-Sep-22	17:12	109	5.0	-6.25	2.4	0	0	0	
2002-Sep-22	17:12	155	4.9	-6.25	5.7	0	0	0	
2002-Sep-22	17:52	-15	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:53	-15	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:54	-19	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:54	-19	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:55	-19	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:56	-19	0.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:56	155	1.0	-6.25	6.1	0	0	0	
2002-Sep-22	17:57	54	3.9	-6.25	8.1	0	0	0	

Well		Field			Service Date		Customer			Job Number
ADAM #1					02265-Sep-22		OXY USA, INC.			2205440666
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-22	17:58	-24	0.0	-6.25	9.6	0	0	0	JAN 10 2003	
2002-Sep-22	17:58	-28	0.0	-6.25	9.6	0	0	0	CONFIDENTIAL	
2002-Sep-22	17:58	-24	0.0	-6.25	9.6	0	0	0	END 4TH PLUG	
2002-Sep-22	17:58									
2002-Sep-22	17:59	-28	0.0	-6.25	9.6	0	0	0	Reset Total, Vol = 9.61 bbl	
2002-Sep-22	17:59									
2002-Sep-22	17:59	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:00	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:00	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:00	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:01	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:01	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:02	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:02	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:02	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:03	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:03								PUMP RAT HOLE	
2002-Sep-22	18:03	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:04	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:04	40	1.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:05	54	3.2	-6.25	2.0	0	0	0		
2002-Sep-22	18:06	-28	0.0	-6.25	3.7	0	0	0		
2002-Sep-22	18:06	-28	0.0	-6.25	3.7	0	0	0		
2002-Sep-22	18:06								Stop Pumping	
2002-Sep-22	18:06	-28	0.0	-6.25	3.7	0	0	0	Reset Total, Vol = 3.66 bbl	
2002-Sep-22	18:06									
2002-Sep-22	18:07	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:07								MIX AND PUMP MOUSE HOLE	
2002-Sep-22	18:07	-28	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:08	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:08	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:09	-19	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:10	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:10	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:11	-19	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:12	-19	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:12	-19	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:13	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:14	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:14	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:15	-24	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:16	-19	0.0	-6.25	0.0	0	0	0		
2002-Sep-22	18:16	40	0.2	-6.25	0.0	0	0	0		
2002-Sep-22	18:17	45	3.3	-6.25	2.1	0	0	0		
2002-Sep-22	18:18	40	3.3	-6.25	4.3	0	0	0		
2002-Sep-22	18:18	-28	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:19	-28	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:20	-28	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:20	-28	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:21	-28	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:22	-24	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:22	-24	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:22	-24	0.0	-6.25	6.2	0	0	0		
2002-Sep-22	18:22								Stop Pumping	

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Cement Balanced Plug Calculations

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Casing/OH ID	8 2/5 in				
Workstring OD	4.5 in				
Workstring ID	3.8 in				
Sacks of Cement	100 sk	<table border="1"> <tr><th>Input Information</th></tr> <tr><td>Calculated Info</td></tr> <tr><td>Calculated Info</td></tr> </table>	Input Information	Calculated Info	Calculated Info
Input Information					
Calculated Info					
Calculated Info					
Cement Yield	1.08 cuft/sk				
Spacer Ahead	10 bbl				
Bottom of Plug	3159 ft				

Ann. Vol. of WS x Csg/OH	0.27440 cuft/ft	0.04887 bbl/ft
Capacity of WS	0.07876 cuft/ft	0.01403 bbl/ft
Capacity of Csg/OH	0.38485 cuft/ft	0.06354 bbl/ft

Total Volume of Slurry	108 cuft	19.23 bbl
Height of Slurry w/ WS	305.8 ft	
Height of Slurry w/o WS	280.6 ft	
Height of Spacer w/ WS	159.0 ft	
Height of Spacer w/o WS	145.9 ft	
Volume of Spacer behind	2.2 bbl	
Volume of Slurry in Ann.	83.9 cuft	14.9 bbl
Volume of Slurry in WS	24.1 cuft	4.3 bbl
Length to displace	2694.2 ft	
Volume to displace	37.8 bbl	

Pump 10.0 bbl. of water ahead, followed by 19.23 bbl of cmt. 2.2 bbl of water behind, followed by 37.8 bbl of displacement fluid.

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Cement Balanced Plug Calculations

This page used when you have 1 size workstring and 1 size openhole or casing.

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Casing/OH ID	8 5/8	in	Input Information		
Workstring OD	4.5	in		Calculated Info	
Workstring ID	3.8	in			Calculated Info
Sacks of Cement	50	sk			
Cement Yield	1.51	cuft/sk			
Spacer Ahead	10	bbl			
Bottom of Plug	1770	ft			

Ann. Vol. of WS x Csg/OH	0.29530	cuft/ft	0.05259	bbl/ft
Capacity of WS	0.07876	cuft/ft	0.01403	bbl/ft
Capacity of Csg/OH	0.40574	cuft/ft	0.07227	bbl/ft

Total Volume of Slurry	75.5	cuft	13.45	bbl
Height of Slurry w/ WS	201.8	ft		
Height of Slurry w/o WS	186.1	ft		
Height of Spacer w/ WS	150.1	ft		
Height of Spacer w/o WS	138.4	ft		
Volume of Spacer behind	2.1	bbl		
Volume of Slurry in Ann.	59.6	cuft	10.6	bbl
Volume of Slurry in WS	15.9	cuft	2.8	bbl
Length to displace	1418.1	ft		
Volume to displace	19.9	bbl		

Pump 10.0 bbl. of water ahead, followed by 13.45 bbl of cmt. 2.1 bbl of water behind, followed by 19.9 bbl of displacement fluid.

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Cement Balanced Plug Calculations

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This page used when you have 1 size workstring and 1 size openhole or casing.

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Casing/OH ID	8 5/8	in	Input Information Calculated Info Calculated Info
Workstring OD	4.5	in	
Workstring ID	3.8	in	
Sacks of Cement	40	sk	
Cement Yield	1.51	cuft/sk	
Spacer Ahead	5	bbl	
Bottom of Plug	700	ft	

Ann. Vol. of WS x Csg/OH	0.29530	cuft/ft	0.05259	bbl/ft
Capacity of WS	0.07876	cuft/ft	0.01403	bbl/ft
Capacity of Csg/OH	0.40574	cuft/ft	0.07227	bbl/ft

Total Volume of Slurry	60.4	cuft	10.76	bbl
Height of Slurry w/ WS	161.5	ft		
Height of Slurry w/o WS	148.9	ft		
Height of Spacer w/ WS	75.1	ft		
Height of Spacer w/o WS	69.2	ft		
Volume of Spacer behind	1.1	bbl		
Volume of Slurry in Ann.	47.7	cuft	8.5	bbl
Volume of Slurry in WS	12.7	cuft	2.3	bbl
Length to displace	463.5	ft		
Volume to displace	6.5	bbl		

Pump 5.0 bbl. of water ahead, followed by 10.76 bbl of cmt. 1.1 bbl of water behind, followed by 6.5 bbl of displacement fluid.

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Cement Balanced Plug Calculations

KCC
JAN 10 2003

This page used when you have 1 size workstring and 1 size openhole or casing.

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Casing/OH ID	8 5/8	in	
Workstring OD	4.5	in	
Workstring ID	3.8	in	
Sacks of Cement	10	sk	Input Information
Cement Yield	1.51	cuft/sk	Calculated Info
Spacer Ahead	0	bbl	Calculated Info
Bottom of Plug	40	ft	

Ann. Vol. of WS x Csg/OH	0.29530	cuft/ft	0.05259	bbl/ft
Capacity of WS	0.07876	cuft/ft	0.01403	bbl/ft
Capacity of Csg/OH	0.40574	cuft/ft	0.07227	bbl/ft

Total Volume of Slurry	15.1	cuft	2.69	bbl
Height of Slurry w/ WS	40.4	ft		
Height of Slurry w/o WS	37.2	ft		
Height of Spacer w/ WS	0.0	ft		
Height of Spacer w/o WS	0.0	ft		
Volume of Spacer behind	0.0	bbl		
Volume of Slurry in Ann.	11.9	cuft	2.1	bbl
Volume of Slurry in WS	3.2	cuft	0.6	bbl
Length to displace	-0.4	ft		
Volume to displace	0.0	bbl		

Pump 0.0 bbl. of water ahead, followed by 2.69 bbl of cmt. 0.0
 bbl of water behind, followed by 0.0 bbl of displacement fluid.

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