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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

September 1999

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: Pending
 Operator Contact Person: Vicki Carder
 Phone: (620) 629-4200
 Contractor: Name: Murfin Drilling Co., Inc.
 License: 30606
 Wellsite Geologist: Marvin T. Harvey, Jr.
 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. _____
09/10/04 09/18/04 10/29/04
 Spud Date or _____ Date Reached TD _____ Completion Date or
 Recompletion Date _____ Recompletion Date _____

API No. 15 - 081-21547-0000
 County: Haskell
SE - NW - SW Sec 4 Twp. 27 S. R. 33W
1572 feet from (S) N (circle one) Line of Section
1017 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Atkins N Well #: 3
 Field Name: Atkins
 Producing Formation: Morrow
 Elevation: Ground: 2936 Kelly Bushing: 2947
 Total Depth: 5400 Plug Back Total Depth: 5341
 Amount of Surface Pipe Set and Cemented at 1913 feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 3183
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan *ALT I WITH 3-1-07*
 (Data must be collected from the Reserve Pit)
 Chloride content 10000 mg/l 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 3, 2005
 Subscribed and sworn to before me this 3rd day of Jan.
 20 05
 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

ANITA PETERSON
 MY COMMISSION EXPIRES
 October 1, 2005

✓

Side Two

Operator Name: OXY USA Inc. Lease Name: Atkins N Well #: 3
 Sec. 4 Twp. 27 S. R. 33W East West County: Haskell

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Chase	2609	338
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2630	317
List All E. Logs Run:	Induction Neutron	Winfield	2665	282
Geological Report	TracerScan Cement Bond Log	Council Grove	2882	65
		Heebner	3982	-1035
		Lansing	4073	-1126
		Marmaton	4615	-1668
		(See Side Three)		

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	1913	C	565	Panhandle Lite + Additive
					C	195	Class C + Additives
Production	7 7/8	5 1/2	15.5	5384	C	200	50/50 POZ + Additives
					C		

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	1689-3183	C	200	Port Collar - Class C cmt.
<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	5084-5100	Acidize - 38 bbls 7.5% HCL	
		Frac - 21,252 gls linear gel, 32,000# 16/30 Brady Sand	
		1000 gls 5-10% acetic acid	

TUBING RECORD	Size NA	Set At NA	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" 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) TA'd Well			
Estimated Production Per 24 Hours	Oil BBLs NA	Gas Mcf NA	Water Bbls NA	Gas-Oil Ratio Gravity

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) TA'd Well

Production Interval _____

Side Three

Operator Name: OXY USA Inc. Lease Name: Atkins N Well #: 3

Sec. 4 Twp. 27 S. R. 33W East West County: Haskell

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Cherokee	4755	-1808
Atoka	4960	-2013
Morrow	5017	-2070
St. Genevieve	5186	-2239

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FIELD ORDER 9207

INVOICE NO.		Subject to Correction	
Date: 9-19-04	Lease: ATKINS	Well #: N-3	Legal: 4-27N-33E6W
Customer ID	County: HASKELL	State: KS	Station: LIBERAL
OXY USA		Depth: 5384	Formation
		Shoe Joint: 73	
		Casing: 5 1/2	Casing Depth: 5384
		TD: 5900	Job Type: 5 1/2 L.S. (NW)
		Customer Representative: WES WILLIMON	Treater: SHAWN FREDERICK
(MURFIN 20)			
APE Number	PO Number	Materials Received by: X Wes Willimon	

CHARGE

Product Code	QUANTITY	MATERIAL, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D104	200 SK	50/50 Pbz (PREMIUM)				
D203	25 SK	100/40 Pbz (COMMON)				
C195	1386	FLA-322				
C311	840 16	CAL SET				
C243	34 16	De former				
C140	325 16	KCL				
C321	1000 16	Gilsonite				
C302	1000 gal	MUD FLUSH				
F143	1 ea	TOP RUBBER PLUG				
F151	1 ea	BOTTOM RUBBER PLUG				
E107	225 SK	CMT SERVICE charge				
E101	85 mi	P.O. mileage				
E100	85 mi	units / miles 1-way				
E109	816 Tm	Tons / miles 85				
R212	1 ea	Pump Charge Cmt 4 hrs				
		Discounted total				
		PLUS TAX				

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TREATMENT REPORT

Customer ID		Date 9-19-04	
Customer OXY - USA			
Lease ATHINS		Lease No.	Well # N-3

Field Order # 9207	Station LEGAL	Casing 5 1/2	Depth 5384	County Haskell	State KS
Type Job 5 1/2 Long STAINL (NW)			Formation	Legal Description 4-27N-33E-C4	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2				200 sy 50/50 P02				
Depth	Depth	From	To	Pre-Pad		Max	KCC	5 Min.
5384				25 sy 60/40 P02		Min		10 Min.
Volume	Volume	From	To	Pad		Avg	JAN 03 2005	15 Min.
127				1100 gal mud flush			CONFIDENTIAL	
Max Press	Max Press	From	To	Frac		HHP Used		Annulus Pressure
1500						Gas Volume		Total Load
Well Connection	Annulus Vol.	From	To	Flush				
P.C.				WATER				
Plug Depth	Packer Depth	From	To					

Customer Representative WES WILLIMON	Station Manager JERRY BENNETT	Treater SHAWN FREDERICK
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Service Units	28	94	70	108				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1930					ON LOC / RIG C/R
1940					PRE-JOB SAFETY MEETING
1950					RIG up P.T.
2155					Hook lines + P.C. TO CASING
2200	500		5	5	Pump 5 BBL'S WATER Spacer
2201	500		24	5	Pump 1000 gal MUD FLUSH
2206	500		5	5	Pump 5 BBL'S WATER Spacer
2207	500		51	5	Pump 200 sy 50/50 P02 @ 13.8"
2218					SHUT DOWN / Clear lines / Drop Aug
2223	0		127	5	Pump Disp
2241	800			2	Slow RATE
2245	1200			2	LAND Plug
2246					Release FLAT - HELD
2300			8	2	Pump 5 sy 60/40 P02 / Annulus
2305					WASH lines to P.T
2330					JOB Complete

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Schlumberger

Cementing Service Report

Customer OXY USA, INC.						Job Number 2205546968				
Well KCC ATKINS 'N' 3			Location (legal)			Schlumberger Location Perryton, TX			Job Start 2004-Sep-11	
Field JAN 03 2005		Formation Name/Type			Deviation °		Bit Size 12.3 in	Well MD 1,912 ft	Well TVD 1,912 ft	
County CONFIDENTIAL HASKELL		State/Province KANSAS			BHP psi	BHST 97.5 °F	BHCT °F	Pore Press. Gradient psi/ft		
Well Master: 0630623777		API / UWI:			Casing/Liner					
Rig Name		Drilled For Oil & Gas		Service Via		Depth, ft 1915	Size, in 8.63	Weight, lb/ft 24	Grade	Thread
Offshore Zone		Well Class New		Well Type Development		Tubing/Drill Pipe				
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread		
Service Line Cementing		Job Type Cem Surface Casing			Perforations/Open Hole					
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi	Wellhead Connection 8 5/8" H&SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEMENT 8 5/8 CASING WITH: 565 SKS PANHANDLE LITE + 0.2% D46 + 0.5 PPS D29 195 SKS CLASS C + 2% S1 + 0.25 PPS D29					Treat Down Casing	Displacement 119.2 bbl	Packer Type	Packer Depth ft		
					Tubing Vol. bbl	Casing Vol. 122 bbl	Annular Vol. 141 bbl	Open Hole Vol. 263 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: 400 psi		Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Type:		
No. Centralizers: Top Plugs: 1 Bottom Plugs: 0		Cement Head Type: Single			Shoe Depth: 1915 ft			Squeeze Type:		
Job Scheduled For: 2004-Sep-11 15:30		Arrived on Location: 2004-Sep-11 20:00			Stage Tool Type:			Tool Type:		
					Stage Tool Depth: ft			Tool Depth: ft		
					Collar Type:			Tail Pipe Size: in		
					Collar Depth: 1871 ft			Tail Pipe Depth: ft		
					Sqz Total Vol: bbl					
Date	Time	Treating Pressure psi	Flow Rate bbl/min	CMT DENS lb/gal	Volume bbl	0	0	0	Message	
2004-Sep-11	17:43	-5	0.0	8.22	0.0	0	0	0		
2004-Sep-11	17:43								Start Job	
2004-Sep-11	17:43	-5	0.0	8.22	0.0	0	0	0		
2004-Sep-11	17:43	-5	0.0	8.22	0.0	0	0	0		
2004-Sep-11	17:44	-5	0.0	8.22	0.0	0	0	0		
2004-Sep-11	17:44	-5	0.0	8.22	0.0	0	0	0		
2004-Sep-11	17:45	0	0.6	8.22	0.0	0	0	0		
2004-Sep-11	17:45	2737	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:45	2701	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:45								Pressure Test Lines	
2004-Sep-11	17:46	2692	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:46	2696	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:47	2701	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:47	1382	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:48	101	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:48	-5	0.0	8.22	0.3	0	0	0		
2004-Sep-11	17:49	0	3.9	8.23	1.0	0	0	0		
2004-Sep-11	17:49	69	6.6	8.24	3.5	0	0	0		
2004-Sep-11	17:50	69	6.6	8.18	6.8	0	0	0		
2004-Sep-11	17:50								Start Pumping Spacer	
2004-Sep-11	17:50	82	6.8	8.46	10.1	0	0	0		
2004-Sep-11	17:50								End Spacer	

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Well		Field			Service Date		Customer		Job Number
ATKINS 'N' #3					04255-Sep-11		OXY USA, INC.		2205546968
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Sep-11	17:50	101	6.6	9.38	11.4	0	0	0	
2004-Sep-11	17:50	92	6.6	9.47	11.6	0	0	0	
2004-Sep-11	17:50								Reset Total, Vol = 11.64 bbl
2004-Sep-11	17:51	110	6.6	9.57	0.2	0	0	0	
2004-Sep-11	17:51								Start Mixing Lead Slurry
2004-Sep-11	17:51	119	6.6	10.01	1.8	0	0	0	
2004-Sep-11	17:51	137	6.6	10.84	5.1	0	0	0	
2004-Sep-11	17:52	165	6.6	12.41	8.4	0	0	0	
2004-Sep-11	17:52	169	6.6	12.32	11.7	0	0	0	
2004-Sep-11	17:53	133	6.6	11.58	15.0	0	0	0	
2004-Sep-11	17:53	156	6.6	12.52	18.3	0	0	0	
2004-Sep-11	17:54	142	6.6	12.18	21.6	0	0	0	
2004-Sep-11	17:54	124	6.6	12.03	24.9	0	0	0	
2004-Sep-11	17:55	137	6.6	12.65	28.2	0	0	0	
2004-Sep-11	17:55	133	6.6	12.25	31.5	0	0	0	
2004-Sep-11	17:56	119	6.6	11.79	34.8	0	0	0	
2004-Sep-11	17:56	124	6.6	11.99	38.1	0	0	0	
2004-Sep-11	17:57	133	6.6	12.26	41.4	0	0	0	
2004-Sep-11	17:57	137	6.6	12.25	44.7	0	0	0	
2004-Sep-11	17:58	124	6.6	11.95	48.0	0	0	0	
2004-Sep-11	17:58	128	6.6	12.02	51.3	0	0	0	
2004-Sep-11	17:59	114	6.6	12.01	54.6	0	0	0	
2004-Sep-11	17:59	119	6.6	12.07	57.9	0	0	0	
2004-Sep-11	18:00	119	6.6	12.10	61.3	0	0	0	
2004-Sep-11	18:00	124	6.6	12.12	64.6	0	0	0	
2004-Sep-11	18:01	128	6.6	12.37	68.0	0	0	0	
2004-Sep-11	18:01	124	6.6	12.30	71.3	0	0	0	
2004-Sep-11	18:02	114	6.6	12.10	74.6	0	0	0	
2004-Sep-11	18:02	124	6.6	12.10	77.9	0	0	0	
2004-Sep-11	18:03	124	6.6	12.14	81.2	0	0	0	
2004-Sep-11	18:03	133	6.6	12.31	84.5	0	0	0	
2004-Sep-11	18:04	133	6.6	12.12	87.8	0	0	0	
2004-Sep-11	18:04	124	6.6	11.58	91.1	0	0	0	
2004-Sep-11	18:05	133	6.6	12.30	94.4	0	0	0	
2004-Sep-11	18:05	146	6.6	12.53	97.7	0	0	0	
2004-Sep-11	18:06	128	6.6	12.01	101.0	0	0	0	
2004-Sep-11	18:06	119	6.6	11.92	104.3	0	0	0	
2004-Sep-11	18:07	128	6.6	12.24	107.6	0	0	0	
2004-Sep-11	18:07	124	6.6	12.14	110.9	0	0	0	
2004-Sep-11	18:08	124	6.6	12.11	114.2	0	0	0	
2004-Sep-11	18:08	128	6.6	12.11	117.5	0	0	0	
2004-Sep-11	18:09	128	6.6	12.11	120.8	0	0	0	
2004-Sep-11	18:09	137	6.6	12.08	124.1	0	0	0	
2004-Sep-11	18:10	137	6.6	12.07	127.4	0	0	0	
2004-Sep-11	18:10	137	6.6	11.95	130.7	0	0	0	
2004-Sep-11	18:11	128	6.6	12.04	134.0	0	0	0	
2004-Sep-11	18:11	137	6.6	12.26	137.5	0	0	0	
2004-Sep-11	18:12	137	6.6	12.30	140.8	0	0	0	
2004-Sep-11	18:12	124	6.6	12.11	144.1	0	0	0	
2004-Sep-11	18:13	124	6.6	12.02	147.4	0	0	0	
2004-Sep-11	18:13	119	6.6	11.87	150.7	0	0	0	
2004-Sep-11	18:14	119	6.6	11.92	154.0	0	0	0	
2004-Sep-11	18:14	128	6.6	12.16	157.3	0	0	0	
2004-Sep-11	18:15	137	6.6	12.22	160.6	0	0	0	

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Well		Field			Service Date		Customer		Job Number
ATKINS 'N' #3					04255-Sep-11		OXY USA, INC.		2205546968
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Sep-11	18:15	137	6.6	12.16	163.9	0	0	0	
2004-Sep-11	18:16	128	6.6	11.87	167.2	0	0	0	
2004-Sep-11	18:16	119	6.6	11.72	170.5	0	0	0	
2004-Sep-11	18:17	87	6.1	11.63	173.7	0	0	0	
2004-Sep-11	18:17	151	6.6	12.90	176.9	0	0	0	
2004-Sep-11	18:18	142	6.6	12.44	180.2	0	0	0	
2004-Sep-11	18:18	128	6.7	12.24	183.5	0	0	0	
2004-Sep-11	18:19	133	6.6	12.14	186.8	0	0	0	
2004-Sep-11	18:19	133	6.6	12.14	190.1	0	0	0	KCC
2004-Sep-11	18:20	119	6.6	12.02	193.4	0	0	0	
2004-Sep-11	18:20	119	6.6	11.98	196.7	0	0	0	JAN 03 2005
2004-Sep-11	18:21	124	6.6	11.93	200.0	0	0	0	CONFIDENTIAL
2004-Sep-11	18:21	128	6.6	12.06	203.3	0	0	0	
2004-Sep-11	18:22	128	6.6	12.05	206.6	0	0	0	
2004-Sep-11	18:22	124	6.6	12.03	209.9	0	0	0	
2004-Sep-11	18:23	128	6.7	12.01	213.3	0	0	0	
2004-Sep-11	18:23	146	6.6	12.28	216.7	0	0	0	
2004-Sep-11	18:24	151	6.6	12.31	220.0	0	0	0	
2004-Sep-11	18:24	151	6.6	12.17	223.3	0	0	0	
2004-Sep-11	18:25	160	6.6	12.04	226.6	0	0	0	
2004-Sep-11	18:25	160	6.6	12.10	229.9	0	0	0	
2004-Sep-11	18:26	160	6.6	11.99	233.2	0	0	0	
2004-Sep-11	18:26	151	6.6	12.06	236.5	0	0	0	
2004-Sep-11	18:27	151	6.6	12.00	239.8	0	0	0	
2004-Sep-11	18:27	151	6.6	11.94	243.1	0	0	0	
2004-Sep-11	18:28	156	6.6	11.87	246.4	0	0	0	
2004-Sep-11	18:28	160	6.6	12.05	249.7	0	0	0	
2004-Sep-11	18:29	73	6.6	11.99	253.0	0	0	0	
2004-Sep-11	18:29	55	4.4	11.71	255.8	0	0	0	
2004-Sep-11	18:29	50	4.1	12.59	256.4	0	0	0	
2004-Sep-11	18:29								End Lead Slurry
2004-Sep-11	18:29								Reset Total, Vol = 256.56 bbl
2004-Sep-11	18:29	50	4.1	12.91	256.6	0	0	0	
2004-Sep-11	18:30								Start Mixing Tail Slurry
2004-Sep-11	18:30	50	4.1	13.20	0.2	0	0	0	
2004-Sep-11	18:30	87	4.1	14.78	1.3	0	0	0	
2004-Sep-11	18:30	92	5.2	14.43	3.5	0	0	0	
2004-Sep-11	18:31	82	3.8	14.17	6.1	0	0	0	
2004-Sep-11	18:31	27	1.0	12.50	7.5	0	0	0	
2004-Sep-11	18:32	18	1.0	14.24	8.0	0	0	0	
2004-Sep-11	18:32	206	5.7	14.82	9.5	0	0	0	
2004-Sep-11	18:33	192	5.7	14.75	12.4	0	0	0	
2004-Sep-11	18:33	183	5.7	14.69	15.2	0	0	0	
2004-Sep-11	18:34	183	5.7	14.70	18.1	0	0	0	
2004-Sep-11	18:34	179	5.7	14.74	20.9	0	0	0	
2004-Sep-11	18:35	174	5.7	14.88	23.8	0	0	0	
2004-Sep-11	18:35	197	5.7	15.28	26.8	0	0	0	
2004-Sep-11	18:36	174	5.7	14.80	29.6	0	0	0	
2004-Sep-11	18:36	165	5.7	14.83	32.5	0	0	0	
2004-Sep-11	18:37	183	5.7	15.11	35.3	0	0	0	
2004-Sep-11	18:37	183	5.8	15.09	38.2	0	0	0	
2004-Sep-11	18:38	165	5.7	14.72	41.0	0	0	0	
2004-Sep-11	18:38	87	3.9	14.86	43.8	0	0	0	
2004-Sep-11	18:39	92	2.4	15.35	45.7	0	0	0	

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Well		Field			Service Date		Customer		Job Number
ATKINS 'N' #3					04255-Sep-11		OXY USA, INC.		2205546968
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Sep-11	18:39	-9	0.0	15.22	46.0	0	0	0	
2004-Sep-11	18:39								End Tail Slurry
2004-Sep-11	18:39								Reset Total, Vol = 46.04 bbl
2004-Sep-11	18:39	-9	0.0	15.20	46.0	0	0	0	
2004-Sep-11	18:39	-9	0.0	15.19	0.0	0	0	0	
2004-Sep-11	18:39								Drop Top Plug
2004-Sep-11	18:39	-9	0.0	15.18	0.0	0	0	0	
2004-Sep-11	18:39								Start Displacement
2004-Sep-11	18:39	-14	0.0	15.14	0.0	0	0	0	
2004-Sep-11	18:40	-18	0.0	14.85	0.0	0	0	0	
2004-Sep-11	18:40	-18	0.0	15.11	0.0	0	0	0	
2004-Sep-11	18:41	-23	0.0	10.05	0.0	0	0	0	
2004-Sep-11	18:41	-23	0.0	10.09	0.0	0	0	0	
2004-Sep-11	18:42	-23	0.0	10.06	0.0	0	0	0	
2004-Sep-11	18:42	-23	0.0	10.10	0.0	0	0	0	
2004-Sep-11	18:43	-27	0.0	10.13	0.0	0	0	0	
2004-Sep-11	18:43	-27	0.0	10.04	0.0	0	0	0	
2004-Sep-11	18:44	-27	0.0	10.02	0.0	0	0	0	
2004-Sep-11	18:44	-27	0.0	9.60	0.0	0	0	0	
2004-Sep-11	18:45	-27	0.0	9.53	0.0	0	0	0	
2004-Sep-11	18:45	110	5.6	9.45	0.7	0	0	0	
2004-Sep-11	18:46	60	6.6	8.69	4.0	0	0	0	
2004-Sep-11	18:46	55	6.6	8.31	7.3	0	0	0	
2004-Sep-11	18:47	69	6.6	8.19	10.7	0	0	0	
2004-Sep-11	18:47	73	6.6	8.15	14.0	0	0	0	
2004-Sep-11	18:48	69	6.6	8.16	17.3	0	0	0	
2004-Sep-11	18:48	78	6.7	8.15	20.6	0	0	0	
2004-Sep-11	18:49	96	6.6	8.16	23.9	0	0	0	
2004-Sep-11	18:49	114	6.6	8.15	27.2	0	0	0	
2004-Sep-11	18:50	124	6.6	8.18	30.5	0	0	0	
2004-Sep-11	18:50	137	6.6	8.23	33.8	0	0	0	
2004-Sep-11	18:51	137	6.6	8.24	37.1	0	0	0	
2004-Sep-11	18:51	146	6.6	8.25	40.4	0	0	0	
2004-Sep-11	18:52	174	6.6	8.24	43.7	0	0	0	
2004-Sep-11	18:52	160	6.4	8.25	46.9	0	0	0	
2004-Sep-11	18:53	142	6.4	8.25	50.1	0	0	0	
2004-Sep-11	18:53	179	6.4	8.24	53.4	0	0	0	
2004-Sep-11	18:54	192	6.4	8.24	56.6	0	0	0	
2004-Sep-11	18:54	215	6.4	8.24	59.8	0	0	0	
2004-Sep-11	18:55	229	6.4	8.25	63.0	0	0	0	
2004-Sep-11	18:55	247	6.4	8.24	66.2	0	0	0	
2004-Sep-11	18:56	247	6.4	8.24	69.4	0	0	0	
2004-Sep-11	18:56	284	6.4	8.24	72.6	0	0	0	
2004-Sep-11	18:57	284	6.4	8.24	75.8	0	0	0	
2004-Sep-11	18:57	284	6.4	8.24	79.0	0	0	0	
2004-Sep-11	18:58	293	6.4	8.24	82.2	0	0	0	
2004-Sep-11	18:58	330	6.4	8.25	85.4	0	0	0	
2004-Sep-11	18:59	366	6.4	8.24	88.8	0	0	0	
2004-Sep-11	18:59	375	6.4	8.24	92.0	0	0	0	
2004-Sep-11	19:00	412	6.4	8.25	95.2	0	0	0	
2004-Sep-11	19:00	458	6.4	8.24	98.4	0	0	0	
2004-Sep-11	19:01	485	6.4	8.25	101.6	0	0	0	
2004-Sep-11	19:01	508	6.4	8.24	104.8	0	0	0	
2004-Sep-11	19:02	504	6.4	8.25	108.0	0	0	0	

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Well		Field			Service Date		Customer			Job Number
ATKINS 'N' #3					04255-Sep-11		OXY USA, INC.			2205546968
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2004-Sep-11	19:02	467	5.1	8.24	110.8	0	0	0		
2004-Sep-11	19:03	453	2.9	8.24	113.2	0	0	0		
2004-Sep-11	19:03	421	2.0	8.24	114.3	0	0	0		
2004-Sep-11	19:04	412	2.0	8.25	115.3	0	0	0		
2004-Sep-11	19:04	435	2.0	8.25	116.3	0	0	0		
2004-Sep-11	19:05	430	2.0	8.25	117.3	0	0	0		
2004-Sep-11	19:05	453	2.0	8.25	118.3	0	0	0		
2004-Sep-11	19:06	458	2.0	8.25	119.3	0	0	0		
2004-Sep-11	19:06	462	2.0	8.25	120.3	0	0	0		
2004-Sep-11	19:07	787	0.0	8.25	121.0	0	0	0		
2004-Sep-11	19:07								Bump Top Plug	
2004-Sep-11	19:07	792	0.0	8.25	121.0	0	0	0		
2004-Sep-11	19:07	792	0.0	8.25	121.0	0	0	0		
2004-Sep-11	19:07								End Displacement	
2004-Sep-11	19:07	787	0.0	8.25	121.0	0	0	0		
2004-Sep-11	19:07								Reset Total, Vol = 120.99 bbl	
2004-Sep-11	19:07	792	0.0	8.25	0.0	0	0	0		
2004-Sep-11	19:08	591	0.0	8.25	0.0	0	0	0		
2004-Sep-11	19:08	-50	0.0	8.25	0.0	0	0	0		
2004-Sep-11	19:09								End Job	
2004-Sep-11	19:09	-50	0.0	8.25	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	
6	0	0	6.5	309	0	10		
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Volume		Density		
			800			bbl lb/gal		
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	100	bbl	
%	309 bbl	119.2 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
Fillpot, Gregg			Ahrends, Timothy					

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Schlumberger

Date	09/11/04
Company	OXY
Job Number	2205546968
Well Name	Atkins
Well Number	N-3
County	Haskell
State	KS

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1915	
Shoe Length	44	
Insert Depth	1871	
Hole Size	12 1/4	
Hole Depth	1912	

1st System	
565 sacks	C
2.61 yield	
12 weight	
15.2 water	204
cubic ft.	1475
height	3573
bbls	263

Pipe Volume	122
Annular Volume	141
Total Cement	309
Total Water	352

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

2nd System	
195 sacks	C
1.34 yield	S1,D29
14.8 weight	
6.3 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift 787
Cement lift 434

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

Test 2000

0 Mud

10 Spacer

263 Lead 12

47 Tail 14.8

119.2 Displacement

1500 Maximum Pressure

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

Pump time @ 6 BPM

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Customer OXY USA, INC.						Job Number 2205546972				
Well ATKINS 'N' 3			Location (Legal) Perryton, TX			Schlumberger Location Perryton, TX			Job Start 2004-Sep-23	
Field		Formation Name/Type JAN 03 2005		Deviation		Bit Size 7.88 in		Well MD 3,183 ft		Well TVD 3,183 ft
County HASKELL		State/Province KANSAS		BHP psi		BHST 112 °F		BHCT °F		Pore Press. Gradient psi/ft
Well Master: 0630623777		API / UWI:		Casing/Liner						
Rig Name		Drilled For Oil & Gas		Service Via		Depth, ft 3183	Size, in 5.5	Weight, lb/ft 15.5	Grade	Thread
Offshore Zone		Well Class New		Well Type Development		Tubing/Drill Pipe				
Drilling Fluid Type		Max. Density lb/gal		Plastic Vt: cp		Depth, 3183	Size, in 2.875	Weight, lb/ft 6.5	Grade	Thread
Service Line Cementing		Job Type Cem Prod Casing		Perforations/Open Hole						
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 2 3/8" H&SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
Service Instructions CEMENT PROD 5 1/2" CASING THRU POT COLLAR: 20 BBLS CW100 150 SKS CLASS C + 3% D079 + 0.2 % D046 + 0.25 PPS D029 50 SKS CLASS C + 2% S001						Treat Down Tubing	Displacement 18.4 bbl	Packer Type	Packer Depth ft	
						Tubing Vol. 18.4 bbl	Casing Vol. 0 bbl	Annular Vol. 50 bbl	OpenHole Vol 69 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: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type		
No. Centralizers:		Top Plugs:		Bottom Plugs:		Shoe Depth: ft		Tool Type:		
Cement Head Type:		Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft		Tail Pipe Size: in		
Job Scheduled For:		Arrived on Location: 2004-Sep-23 13:45		Leave Location: 2004-Sep-23 17:55		Collar Type:		Tail Pipe Depth: ft		
						Collar Depth: ft		Sqz Total Vol: bbl		
Date	Time	Treating Pressure psi	Density lb/gal	Pump Rate bbl/min	Pump Vol bbl	0	0	0	Message	
2004-Sep-23	15:11	-5	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:11	-5	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:11								Start Job	
2004-Sep-23	15:11								Pressure Test Lines	
2004-Sep-23	15:11	0	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:11	-5	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:12	-5	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:12	-5	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:13	-5	8.36	0.0	0.0	0	0	0	RECEIVED JAN 06 2005 KCC WICHITA	
2004-Sep-23	15:13	23	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:14	2353	8.36	0.0	0.2	0	0	0		
2004-Sep-23	15:14	2119	8.36	0.0	0.2	0	0	0		
2004-Sep-23	15:15	2074	8.36	0.0	0.2	0	0	0		
2004-Sep-23	15:15	5	8.22	0.0	0.2	0	0	0		
2004-Sep-23	15:16	9	8.18	0.0	0.2	0	0	0		
2004-Sep-23	15:16								Reset Total, Vol = 0.17 bbl	
2004-Sep-23	15:16	9	8.18	0.0	0.2	0	0	0		
2004-Sep-23	15:16	9	8.20	0.0	0.0	0	0	0		
2004-Sep-23	15:16								Pressure Test Port Collar	
2004-Sep-23	15:16	14	8.22	0.4	0.0	0	0	0		
2004-Sep-23	15:17	160	8.33	0.5	0.3	0	0	0		
2004-Sep-23	15:17	1021	8.35	1.1	0.7	0	0	0		

Well		Field				Service Date		Customer		Job Number
ATKINS 'N' #3						04267-Sep-23		OXY USA, INC.		2205546972
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2004-Sep-23	15:18	1968	8.35	0.0	1.1	0	0	0		
2004-Sep-23	15:18	1982	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:19	1982	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:19	1868	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:20	1103	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:20	467	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:21	458	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:21	426	8.35	0.0	1.2	0	0	0		
2004-Sep-23	15:22	9	8.36	0.0	1.2	0	0	0		
2004-Sep-23	15:22								Reset Total, Vol = 1.15 bbl	
2004-Sep-23	15:22	-14	8.36	0.0	1.2	0	0	0		
2004-Sep-23	15:22	-14	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:22								Start Pumping Wash	
2004-Sep-23	15:22	-14	8.36	0.0	0.0	0	0	0		
2004-Sep-23	15:23	5	8.85	0.0	0.0	0	0	0		
2004-Sep-23	15:23	5	9.23	0.0	0.0	0	0	0		
2004-Sep-23	15:24	9	8.74	1.2	0.3	0	0	0		
2004-Sep-23	15:24	14	8.64	1.1	0.9	0	0	0		
2004-Sep-23	15:25	23	8.59	1.1	1.4	0	0	0		
2004-Sep-23	15:25	18	8.44	1.1	2.0	0	0	0		
2004-Sep-23	15:26	0	8.91	1.1	2.6	0	0	0		
2004-Sep-23	15:26	18	8.56	1.1	3.1	0	0	0		
2004-Sep-23	15:27	18	8.38	1.1	3.7	0	0	0		
2004-Sep-23	15:27	18	8.41	1.1	4.3	0	0	0		
2004-Sep-23	15:28	27	8.37	1.7	5.0	0	0	0		
2004-Sep-23	15:28	23	8.36	1.7	5.8	0	0	0		
2004-Sep-23	15:29	23	8.36	1.7	6.7	0	0	0		
2004-Sep-23	15:29	18	8.36	1.7	7.5	0	0	0		
2004-Sep-23	15:30	23	8.36	1.7	8.4	0	0	0		
2004-Sep-23	15:30	92	8.36	2.8	9.6	0	0	0		
2004-Sep-23	15:31	142	8.36	3.1	11.0	0	0	0		
2004-Sep-23	15:31	160	8.36	3.1	12.6	0	0	0		
2004-Sep-23	15:32	169	8.36	3.1	14.1	0	0	0		
2004-Sep-23	15:32	179	8.36	3.1	15.7	0	0	0		
2004-Sep-23	15:33	192	8.36	3.1	17.2	0	0	0		
2004-Sep-23	15:33	206	8.36	3.0	18.3	0	0	0		
2004-Sep-23	15:33								End Wash	
2004-Sep-23	15:33								Reset Total, Vol = 30 bbl	
2004-Sep-23	15:33	211	8.38	3.0	18.4	0	0	0		
2004-Sep-23	15:33								Start Mixing Lead Slurry	
2004-Sep-23	15:33	211	8.41	3.1	0.1	0	0	0		
2004-Sep-23	15:33	211	8.60	3.1	0.3	0	0	0		
2004-Sep-23	15:34	229	10.05	3.1	1.8	0	0	0		
2004-Sep-23	15:34	201	11.92	3.1	3.4	0	0	0		
2004-Sep-23	15:35	201	12.10	3.1	4.9	0	0	0		
2004-Sep-23	15:35	197	11.87	3.2	6.5	0	0	0		
2004-Sep-23	15:36	174	11.95	3.2	8.1	0	0	0		
2004-Sep-23	15:36	114	11.97	3.1	9.7	0	0	0		
2004-Sep-23	15:37	82	11.97	3.1	11.3	0	0	0		
2004-Sep-23	15:37	46	11.96	3.1	12.9	0	0	0		
2004-Sep-23	15:38	37	11.82	3.1	14.5	0	0	0		
2004-Sep-23	15:38	32	11.71	3.1	16.0	0	0	0		
2004-Sep-23	15:39	32	11.94	3.1	17.6	0	0	0		
2004-Sep-23	15:39	32	12.19	3.1	19.2	0	0	0		

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Well		Field				Service Date		Customer		Job Number
ATKINS 'N' #3						04267-Sep-23		OXY USA, INC.		2205546972
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2004-Sep-23	15:40	37	12.04	3.1	20.7	0	0	0		
2004-Sep-23	15:40	32	11.98	3.1	22.3	0	0	0		
2004-Sep-23	15:41	37	11.95	3.1	23.9	0	0	0		
2004-Sep-23	15:41	37	12.01	3.1	25.4	0	0	0		
2004-Sep-23	15:42	37	12.08	3.1	27.0	0	0	0		
2004-Sep-23	15:42	32	12.06	3.1	28.6	0	0	0		
2004-Sep-23	15:43	32	12.03	3.1	30.1	0	0	0		
2004-Sep-23	15:43	32	12.00	3.1	31.7	0	0	0		
2004-Sep-23	15:44	32	11.93	3.1	33.3	0	0	0		
2004-Sep-23	15:44	32	11.93	3.1	34.8	0	0	0		
2004-Sep-23	15:45	27	11.95	3.1	36.4	0	0	0		
2004-Sep-23	15:45	37	11.92	3.1	38.0	0	0	0		
2004-Sep-23	15:46	32	11.99	3.1	39.5	0	0	0		
2004-Sep-23	15:46	37	12.07	3.1	41.1	0	0	0		
2004-Sep-23	15:47	32	12.10	3.1	42.7	0	0	0		
2004-Sep-23	15:47	32	11.99	3.1	44.3	0	0	0		
2004-Sep-23	15:48	32	12.01	3.1	45.8	0	0	0		
2004-Sep-23	15:48	32	12.01	3.1	47.4	0	0	0		
2004-Sep-23	15:49	32	12.00	3.1	49.0	0	0	0		
2004-Sep-23	15:49	37	11.97	3.1	50.6	0	0	0		
2004-Sep-23	15:50	32	11.93	3.1	52.2	0	0	0		
2004-Sep-23	15:50	32	12.01	3.1	53.7	0	0	0		
2004-Sep-23	15:51	27	11.87	3.1	55.3	0	0	0		
2004-Sep-23	15:51	37	12.24	3.1	56.9	0	0	0		
2004-Sep-23	15:52	41	12.96	3.1	0.3	0	0	0		
2004-Sep-23	15:52	37	13.10	3.2	0.8	0	0	0		
2004-Sep-23	15:52								End Lead Slurry 63 bbbs	
2004-Sep-23	15:52								Start Mixing Tail Slurry	
2004-Sep-23	15:52	32	13.15	3.2	0.1	0	0	0		
2004-Sep-23	15:52	41	13.42	3.1	0.9	0	0	0		
2004-Sep-23	15:53	46	14.14	3.2	2.5	0	0	0		
2004-Sep-23	15:53	60	15.03	3.2	4.1	0	0	0		
2004-Sep-23	15:54	55	15.25	3.2	5.7	0	0	0		
2004-Sep-23	15:54	55	14.84	3.1	7.3	0	0	0		
2004-Sep-23	15:55	46	14.69	3.2	8.9	0	0	0		
2004-Sep-23	15:55	41	15.19	3.2	10.5	0	0	0		
2004-Sep-23	15:56	46	15.09	3.2	12.0	0	0	0		
2004-Sep-23	15:56								End Tail Slurry	
2004-Sep-23	15:56	-9	14.40	0.0	12.8	0	0	0		
2004-Sep-23	15:56								Reset Total, Vol = 12.84 bbl	
2004-Sep-23	15:56	-9	14.28	0.0	12.8	0	0	0		
2004-Sep-23	16:01								Start Displacement	
2004-Sep-23	16:01	14	8.31	0.0	0.0	0	0	0		
2004-Sep-23	16:01	18	8.34	0.0	0.0	0	0	0		
2004-Sep-23	16:01	5	8.35	0.4	0.3	0	0	0		
2004-Sep-23	16:02	0	8.35	0.3	0.4	0	0	0		
2004-Sep-23	16:02	0	8.35	0.4	0.6	0	0	0		
2004-Sep-23	16:03	0	8.35	0.9	1.0	0	0	0		
2004-Sep-23	16:03	0	8.35	0.9	1.5	0	0	0		
2004-Sep-23	16:04	0	8.35	0.9	2.0	0	0	0		
2004-Sep-23	16:04	0	8.35	0.9	2.4	0	0	0		
2004-Sep-23	16:05	5	8.35	0.9	2.9	0	0	0		
2004-Sep-23	16:05	105	8.35	1.9	3.5	0	0	0		
2004-Sep-23	16:06	229	8.35	2.8	4.7	0	0	0		

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Well		Field				Service Date		Customer		Job Number
ATKINS 'N' #3						04267-Sep-23		OXY USA, INC.		2205546972
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2004-Sep-23	16:06	311	8.35	2.8	6.1	0	0	0		
2004-Sep-23	16:07	385	8.35	2.8	7.5	0	0	0		
2004-Sep-23	16:07	449	8.35	2.7	8.8	0	0	0		
2004-Sep-23	16:08	540	8.35	2.8	10.2	0	0	0		
2004-Sep-23	16:08	618	8.35	2.7	11.6	0	0	0		
2004-Sep-23	16:09	407	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:09	398	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:10	389	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:10	389	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:10								End Displacement	
2004-Sep-23	16:10	389	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:11	389	8.35	0.0	11.9	0	0	0		
2004-Sep-23	16:11								Reset Total, Vol = 18 bbl	
2004-Sep-23	16:11								Reverse Out	
2004-Sep-23	16:11	389	8.35	0.0	0.0	0	0	0		
2004-Sep-23	16:11	623	8.35	0.6	0.1	0	0	0		
2004-Sep-23	16:11	1291	8.35	0.5	0.4	0	0	0		
2004-Sep-23	16:12	1524	8.35	0.0	0.5	0	0	0		
2004-Sep-23	16:12	1479	8.35	0.0	0.5	0	0	0		
2004-Sep-23	16:13	490	8.35	0.0	0.5	0	0	0		
2004-Sep-23	16:13	481	8.35	0.2	0.0	0	0	0		
2004-Sep-23	16:14	1433	8.35	0.9	0.4	0	0	0		
2004-Sep-23	16:14	2060	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:15	2046	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:15	2042	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:16	2042	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:16	2042	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:17	1923	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:17	5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:18	5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:18	5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:19	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:19	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:20	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:20	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:21	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:21	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:22	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:22	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:23	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:23	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:24	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:24	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:25	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:25	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:26	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:26	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:27	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:27	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:28	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:28	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:29	-5	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:29	0	8.35	0.0	0.7	0	0	0		
2004-Sep-23	16:30	-5	8.35	0.0	0.0	0	0	0		

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Well		Field			Service Date		Customer		Job Number
ATKINS 'N' #3					04267-Sep-23		OXY USA, INC.		2205546972
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2004-Sep-23	16:30								End Reverse Out
2004-Sep-23	16:30	0	8.35	0.0	0.0	0	0	0	
2004-Sep-23	16:30	114	8.35	2.0	0.6	0	0	0	
2004-Sep-23	16:31	266	8.35	3.1	2.0	0	0	0	
2004-Sep-23	16:31	275	8.35	3.1	3.5	0	0	0	
2004-Sep-23	16:32	266	8.35	3.2	5.1	0	0	0	
2004-Sep-23	16:32	439	8.35	4.1	7.1	0	0	0	
2004-Sep-23	16:33	453	8.35	4.1	9.2	0	0	0	
2004-Sep-23	16:33	449	8.35	4.1	11.2	0	0	0	
2004-Sep-23	16:34	471	8.35	4.2	13.3	0	0	0	
2004-Sep-23	16:34	462	8.35	4.1	15.4	0	0	0	
2004-Sep-23	16:35	467	8.35	4.2	17.5	0	0	0	
2004-Sep-23	16:35	430	8.35	4.2	19.6	0	0	0	
2004-Sep-23	16:36	403	8.35	4.2	21.7	0	0	0	
2004-Sep-23	16:36	394	8.35	4.2	23.8	0	0	0	
2004-Sep-23	16:37	407	8.35	4.2	25.9	0	0	0	
2004-Sep-23	16:37	385	8.35	4.2	28.0	0	0	0	
2004-Sep-23	16:38	394	8.35	4.2	30.1	0	0	0	
2004-Sep-23	16:38	389	8.35	4.2	32.2	0	0	0	
2004-Sep-23	16:39	389	8.35	4.2	34.3	0	0	0	
2004-Sep-23	16:39	389	8.35	4.2	36.4	0	0	0	
2004-Sep-23	16:40	403	8.35	4.2	38.5	0	0	0	
2004-Sep-23	16:40	394	8.35	4.2	40.6	0	0	0	
2004-Sep-23	16:41	-5	8.35	0.0	41.2	0	0	0	
2004-Sep-23	16:41								Reset Total, Vol = 41.23 bbl
2004-Sep-23	16:41	23	8.35	0.0	41.2	0	0	0	
2004-Sep-23	16:41								Pressure Up Port Collar
2004-Sep-23	16:41	14	8.35	0.0	0.0	0	0	0	
2004-Sep-23	16:41	9	8.35	0.0	0.0	0	0	0	
2004-Sep-23	16:42	69	8.35	0.8	0.1	0	0	0	
2004-Sep-23	16:42	906	8.35	1.4	0.5	0	0	0	
2004-Sep-23	16:43	1474	8.35	0.0	0.8	0	0	0	
2004-Sep-23	16:43	1337	8.35	0.0	0.8	0	0	0	
2004-Sep-23	16:44	1241	8.35	0.0	0.8	0	0	0	
2004-Sep-23	16:44	1364	8.35	0.6	0.9	0	0	0	
2004-Sep-23	16:45	1506	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:45	1501	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:46	1501	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:46	1501	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:47	1497	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:47	1497	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:48	1492	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:48	1492	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:49	1492	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:49	1492	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:50	1488	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:50	1488	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:51	1488	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:51	1488	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:52	1016	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:52	0	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:53	0	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:53	0	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:54	0	8.35	0.0	1.0	0	0	0	

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Well		Field		Service Date		Customer		Job Number	
ATKINS 'N' #3				04267-Sep-23		OXY USA, INC.		2205546972	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2004-Sep-23	16:54	-5	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:55								Reset Total, Vol = 0.95 bbl
2004-Sep-23	16:55	0	8.35	0.0	1.0	0	0	0	
2004-Sep-23	16:55								End Job
2004-Sep-23	16:55	0	8.35	0.0	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		
2.5			3	75	0	20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
600		200			bbl	8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume		<input type="checkbox"/> Washed Thru Peris To ft			
%	75 bbl	18 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
FILLPOT, GREGG			Landeros, Feliverto						


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Date	9/23/2004
Company	OXY USA, INC.
Job Number	2205546972
Well Name	ATKINS 'N' 3
Well Number	N 3
County	HASKELL
State	KANSAS

Schlumberger

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Pipe Size	2 7/8
Pipe Weight	6.5
Pipe Depth	3183
Shoe Length	0
Insert Depth	3183
Hole Size	5 1/2
Hole Depth	3183

CLASS C	
150 sacks	D029 D046 D079
2.37 yield	
12 weight	
13.9 water	49.6
cubic ft.	356
height	4012
bbls	63.3

Pipe Volume	18
Annular Volume	50
Total Cement	75
Total Water	76

Pipe Factor	0.00579	0.00579
Annular Factor	0.0158	
Height Factor	11.2867	

CLASS C	
50 sacks	
1.34 yield	
14.8 weight	
6.36 water	8
cubic ft.	67
height	756
bbls	11.9

Casing lift 3187
Cement lift 1128

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sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

Test 2000
0 MUD
20 CHEMICAL WASH
63 Lead 12
12 Tail 14.8
18.4 Displacement
1500 Maximum Pressure
Pump time @ 4 BPM 23 MIN

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