

CONFIDENTIAL

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

Form ACO-1
September 1999
Form Must Be Typed

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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 Co., Inc.
License: 30606
Wellsite Geologist: Tim Hedrick
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____

API No. 15 - 081-21557-00-00
County: Haskell
NW - SE - NE - NW Sec 9 Twp. 27 S. R. 33W
958 feet from S (circle one) Line of Section
2145 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Atkins O Well #: 3
Field Name: Atkins
Producing Formation: NA/well TA'd
Elevation: Ground: 2941 Kelly Bushing: 2951
Total Depth: 5350 Plug Back Total Depth: 5303
Amount of Surface Pipe Set and Cemented at 1948 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3139
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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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. _____
12/20/04 01/01/05 01/26/05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan ALT I W M W
(Data must be collected from the Reserve Pit) 4-4-07
Chloride content 1200 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.

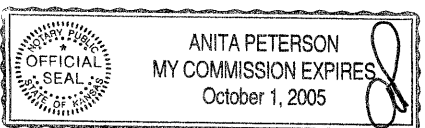
Signature: Vicki Carder
Title: Capital Project Date April 4, 2005
Subscribed and sworn to before me this 4th day of April
20 05
Notary Public: Anita Peterson
Date Commission Expires: Oct 1, 2005

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

Wireline Log Received

Geologist Report Received

UIC Distribution



X

Side Two

Operator Name: OXY USA Inc. Lease Name: Atkins O Well #: 3
 Sec. 9 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Sonic Induction Neutron Microlog CBL Geological Report	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Chase</td> <td>2621</td> <td>330</td> </tr> <tr> <td>Krider</td> <td>2642</td> <td>309</td> </tr> <tr> <td>Winfield</td> <td>2680</td> <td>271</td> </tr> <tr> <td>Towanda</td> <td>2721</td> <td>220</td> </tr> <tr> <td>Ft. Riley</td> <td>2784</td> <td>167</td> </tr> <tr> <td>Florence</td> <td>2834</td> <td>117</td> </tr> <tr> <td>Matfield</td> <td>2848</td> <td>103</td> </tr> <tr> <td>Wreford</td> <td>2865</td> <td>86</td> </tr> </table> <p>(See Side Three)</p>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Chase	2621	330	Krider	2642	309	Winfield	2680	271	Towanda	2721	220	Ft. Riley	2784	167	Florence	2834	117	Matfield	2848	103	Wreford	2865	86
<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																													
Name	Top	Datum																													
Chase	2621	330																													
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Ft. Riley	2784	167																													
Florence	2834	117																													
Matfield	2848	103																													
Wreford	2865	86																													

CASING RECORD <input 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
Surface Casing	12 ¼	8 5/8	24	1948	C	600	35/65 POZ + Additives
Production Casing	7 7/8	5 ½	15.5	5348	H	150	50/50 POZ + Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	Est.1611-3139	H	250	50/50 POZ - Port Collar
<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	5084-5094	Acidize - 26 bbls 7.5 FE	
4	5074-5078	Acidize - 10 bbls 7.5% HCL	
		Frac - 17,694 gls WF 125 70QN2, 70,200# 20/40 Sand	

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 - well TA'd		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) TA		
Estimated Production Per 24 Hours	Oil BBLS NA	Gas Mcf NA	Water Bbls NA	Gas-Oil Ratio Gravity

Disposition of Gas

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Submit ACO-18) Other (Specify) TA Well

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Side Three

Operator Name: OXY USA Inc. Lease Name: Atkins O Well #: 3
Sec. 9 Twp. 27 S. R. 33W East West County: Haskell

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Council Grove	2891	60
Wabaunsee	3278	-327
Shawnee	3603	-652
Heebner	3989	-1038
Toronto	4004	-1053
Lansing	4086	-1135
Marmaton	4628	-1677
Cherokee	4757	-1806
Atoka Shale	4965	-2014
Morrow	5019	-2068
Chester Group	5141	-2190
St. Genevieve	5182	-2231
St. Louis	5249	-2298

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Customer OXY USA, INC.							Job Number 2205547113			
Well ATKINS 'O' 3			Location (legal) SEC 9-T27S-R33W			Schlumberger Location Perryton, TX		Job Start 2004-Dec-22		
Field		Formation Name/Type KCC		Deviation		Bit Size 12.3 in	Well MD 1,950 ft	Well TVD 1,950 ft		
County HASKELL		State/Province KANSAS		BHP APR 04 2005	BHST 98 °F	BHCT °F	Pore Press. Gradient psi/ft			
Well Master: 0630646223		API / UWI: CONFIDENTIAL		Casing/Liner						
Rig Name		Drilled For Oil & Gas		Service Via Land		Depth, ft 1948	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, ft	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" SURFACE CASING WITH: 10 BBL FRESH WATER 600 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029						Treat Down Casing	Displacement 121.3 bbl	Packer Type	Packer Depth ft	
						Tubing Vol. bbl	Casing Vol. 124 bbl	Annular Vol. 143 bbl	Open Hole Vol. 267 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: 550 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type:		
No. Centralizers:		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 1948 ft		Tool Type:		
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft		Tail Pipe Size: in		
Job Scheduled For: 2004-Dec-22 2:30		Arrived on Location: 2004-Dec-22 6:30		Leave Location:		Collar Type:		Tail Pipe Depth: ft		
						Collar Depth: 1905 ft		Sqz Total Vol: bbl		
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0	Message
2004-Dec-22	4:00	0	0.0	0.0	8.28	0.1	0.0	0	0	
2004-Dec-22	4:00									Start Job
2004-Dec-22	4:00	0	0.0	0.0	8.28	0.1	0.0	0	0	
2004-Dec-22	4:01	0	0.0	0.0	8.28	0.1	0.1	0	0	
2004-Dec-22	4:01	0	0.0	0.0	8.27	0.1	0.1	0	0	
2004-Dec-22	4:02	879	0.0	0.0	8.30	0.1	0.2	0	0	
2004-Dec-22	4:02									Pressure Test Lines
2004-Dec-22	4:02	2243	0.0	0.0	8.28	0.2	0.2	0	0	
2004-Dec-22	4:02	2184	0.0	0.0	8.34	0.1	0.2	0	0	
2004-Dec-22	4:03	2138	0.0	0.0	8.34	0.0	0.3	0	0	
2004-Dec-22	4:03	2119	0.0	0.0	8.34	0.0	0.3	0	0	
2004-Dec-22	4:04	0	0.0	0.0	8.33	0.1	0.3	0	0	
2004-Dec-22	4:04	183	0.0	0.0	8.34	5.0	1.6	0	0	
2004-Dec-22	4:05	206	0.0	0.0	8.31	5.8	3.8	0	0	
2004-Dec-22	4:05	247	0.0	0.0	8.29	6.7	7.1	0	0	
2004-Dec-22	4:05	252	0.0	0.0	8.29	6.6	9.1	0	0	
2004-Dec-22	4:05									Start Pumping Spacer
2004-Dec-22	4:06	247	0.0	0.0	8.30	6.7	10.4	0	0	
2004-Dec-22	4:06	261	0.0	0.0	8.93	6.7	13.8	0	0	
2004-Dec-22	4:06									End Spacer
2004-Dec-22	4:06	256	6.6	0.5	9.31	6.8	14.7	0	0	
2004-Dec-22	4:06	238	6.6	0.4	9.47	6.3	0.4	0	0	

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Well		Field			Service Date		Customer		Job Number
ATKINS 'O' #3					04357-Dec-22		OXY USA, INC.		2205547113
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl	0	
2004-Dec-22	4:06								Start Mixing Lead Slurry
2004-Dec-22	4:07	261	6.3	2.3	10.16	6.2	2.2	0	
2004-Dec-22	4:07	284	6.2	5.4	12.80	6.1	5.3	0	
2004-Dec-22	4:08	311	6.6	8.8	12.56	6.3	8.5	0	
2004-Dec-22	4:08	302	6.6	12.1	12.34	6.3	11.7	0	
2004-Dec-22	4:09	279	6.6	15.4	11.90	6.5	15.0	0	
2004-Dec-22	4:09	256	6.6	18.7	11.89	6.6	18.2	0	
2004-Dec-22	4:10	279	6.6	22.0	12.78	6.3	21.4	0	
2004-Dec-22	4:10	261	6.6	25.3	12.56	6.4	24.6	0	
2004-Dec-22	4:11	256	6.6	28.6	12.44	6.4	27.7	0	
2004-Dec-22	4:11	279	6.6	31.9	12.71	6.3	30.9	0	
2004-Dec-22	4:12	114	2.9	34.8	11.15	3.3	33.6	0	
2004-Dec-22	4:12	146	4.4	36.3	12.76	3.7	35.3	0	
2004-Dec-22	4:13	261	6.6	39.4	12.29	6.2	38.1	0	
2004-Dec-22	4:13	247	6.6	42.7	12.25	6.1	41.3	0	
2004-Dec-22	4:14	247	6.6	46.0	12.53	6.5	44.4	0	
2004-Dec-22	4:14	256	6.6	49.3	12.75	6.4	47.5	0	
2004-Dec-22	4:15	275	6.6	52.6	12.37	6.4	50.7	0	
2004-Dec-22	4:15	233	6.6	55.9	11.95	6.5	53.9	0	
2004-Dec-22	4:16	243	6.6	59.2	11.73	6.5	57.2	0	
2004-Dec-22	4:16	252	6.6	62.5	12.40	6.3	60.4	0	
2004-Dec-22	4:17	142	6.6	65.8	12.54	5.8	63.5	0	
2004-Dec-22	4:17	270	6.6	69.1	12.60	6.3	66.5	0	
2004-Dec-22	4:18	284	6.6	72.4	12.49	6.6	69.7	0	
2004-Dec-22	4:18	243	6.6	75.7	12.46	6.4	72.9	0	
2004-Dec-22	4:19	229	6.6	79.1	11.72	6.3	76.1	0	
2004-Dec-22	4:19	224	6.6	82.4	11.99	6.0	79.1	0	
2004-Dec-22	4:20	229	6.6	85.6	12.43	6.3	82.4	0	
2004-Dec-22	4:20	256	6.6	89.1	12.57	6.2	85.5	0	
2004-Dec-22	4:21	256	6.6	92.4	11.95	6.0	88.7	0	
2004-Dec-22	4:21	256	6.6	95.7	12.25	6.7	91.8	0	
2004-Dec-22	4:22	247	6.6	99.0	12.02	5.9	94.9	0	
2004-Dec-22	4:22	238	6.6	102.3	12.25	6.9	98.0	0	
2004-Dec-22	4:23	261	6.6	105.6	12.95	6.1	101.2	0	
2004-Dec-22	4:23	233	6.6	108.9	12.29	6.6	104.4	0	
2004-Dec-22	4:24	261	6.6	112.2	12.55	6.4	107.6	0	
2004-Dec-22	4:24	243	6.6	115.5	12.21	6.2	110.7	0	
2004-Dec-22	4:25	247	6.6	118.8	12.35	6.2	113.8	0	
2004-Dec-22	4:25	256	6.6	122.1	12.08	6.5	116.9	0	
2004-Dec-22	4:26	256	6.6	125.4	12.98	6.2	120.2	0	
2004-Dec-22	4:26	247	6.6	128.7	12.50	6.6	123.2	0	
2004-Dec-22	4:27	261	6.6	132.0	13.07	6.6	126.5	0	
2004-Dec-22	4:27	256	6.6	135.3	12.75	6.4	129.7	0	
2004-Dec-22	4:28	256	6.6	138.6	12.39	6.6	132.9	0	
2004-Dec-22	4:28	247	6.6	141.9	12.64	6.6	136.2	0	
2004-Dec-22	4:29	243	6.6	145.2	13.12	6.4	139.4	0	
2004-Dec-22	4:29	252	6.6	148.5	12.03	6.5	142.6	0	
2004-Dec-22	4:30	238	6.6	151.9	13.05	6.6	145.8	0	
2004-Dec-22	4:30	288	6.6	155.2	13.24	6.6	149.1	0	
2004-Dec-22	4:31	284	6.6	158.5	12.40	6.3	152.3	0	
2004-Dec-22	4:31	229	6.6	161.9	11.82	6.1	155.5	0	
2004-Dec-22	4:32	224	6.6	165.2	11.82	6.3	158.5	0	
2004-Dec-22	4:32	183	5.2	168.2	11.98	5.6	161.4	0	
2004-Dec-22	4:33	179	5.2	170.8	11.95	4.5	163.9	0	

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Well		Field			Service Date		Customer		Job Number			
ATKINS 'O' #3					04357-Dec-22		OXY USA, INC.		2205647113			
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message			
	24 hr clock	psi	bbf/min	bbf	lb/gal	bbf/min	bbf	0				
2004-Dec-22	4:33	133	4.2	172.9	12.52	3.9	165.8	0	KCC APR 04 2005 CONFIDENTIAL			
2004-Dec-22	4:34	151	6.6	175.5	12.90	3.6	167.9	0				
2004-Dec-22	4:34	156	6.6	178.8	13.39	3.8	169.8	0				
2004-Dec-22	4:35	330	6.6	182.2	13.73	6.4	172.4	0				
2004-Dec-22	4:35	256	6.6	185.5	12.24	6.5	175.7	0				
2004-Dec-22	4:36	256	6.6	188.8	12.69	6.4	178.9	0				
2004-Dec-22	4:36	266	6.6	192.1	12.37	6.4	182.2	0				
2004-Dec-22	4:37	247	6.6	195.4	12.05	6.6	185.4	0				
2004-Dec-22	4:37	261	6.6	198.7	12.41	6.6	188.8	0				
2004-Dec-22	4:38	270	6.6	202.0	12.37	6.4	192.0	0				
2004-Dec-22	4:38	261	6.6	205.3	12.49	6.9	195.3	0				
2004-Dec-22	4:39	270	6.6	208.6	12.66	6.5	198.6	0				
2004-Dec-22	4:39	270	6.6	211.9	12.53	6.5	201.8	0				
2004-Dec-22	4:40	261	6.6	215.2	12.34	6.6	205.1	0				
2004-Dec-22	4:40	252	6.6	218.5	12.29	6.6	208.4	0				
2004-Dec-22	4:41	261	6.6	221.8	12.20	6.4	211.6	0				
2004-Dec-22	4:41	256	6.6	225.1	12.37	6.5	214.9	0				
2004-Dec-22	4:42	261	6.6	228.4	12.41	6.4	218.2	0				
2004-Dec-22	4:42	201	5.1	231.4	13.16	5.3	221.2	0				
2004-Dec-22	4:42	201	5.2	231.9	13.49	5.3	221.7	0				
2004-Dec-22	4:42								End Lead Slurry			
2004-Dec-22	4:42	211	5.2	232.0	13.55	5.3	221.7	0				
2004-Dec-22	4:42								Reset Total, Vol = 231.96 bbl			
2004-Dec-22	4:42								Start Mixing Tail Slurry			
2004-Dec-22	4:42	220	5.2	0.2	13.66	5.3	0.2	0				
2004-Dec-22	4:43	256	5.2	2.1	14.64	5.1	2.1	0				
2004-Dec-22	4:43	279	5.2	4.7	15.07	5.4	4.7	0				
2004-Dec-22	4:44	275	5.2	7.3	15.20	5.3	7.3	0				
2004-Dec-22	4:44	206	5.2	9.9	15.07	4.9	9.8	0				
2004-Dec-22	4:45	279	5.3	12.5	15.07	5.5	12.4	0				
2004-Dec-22	4:45	279	5.1	15.1	14.77	5.1	15.0	0				
2004-Dec-22	4:46	270	5.2	17.7	14.65	5.2	17.4	0				
2004-Dec-22	4:46	270	5.2	20.3	14.84	5.3	20.0	0				
2004-Dec-22	4:47	266	5.2	22.9	14.94	5.1	22.6	0				
2004-Dec-22	4:47	266	5.2	25.4	14.98	5.2	25.2	0				
2004-Dec-22	4:48	266	5.2	28.0	15.01	5.1	27.7	0	RECEIVED APR 07 2005 KCC WICHITA			
2004-Dec-22	4:48	266	5.2	30.6	15.00	5.3	30.3	0				
2004-Dec-22	4:49	256	5.2	33.2	14.94	5.2	32.9	0				
2004-Dec-22	4:49	261	5.2	35.8	14.88	5.1	35.4	0				
2004-Dec-22	4:50	261	5.2	38.4	14.88	5.2	38.0	0				
2004-Dec-22	4:50	256	5.2	41.0	15.05	5.1	40.6	0				
2004-Dec-22	4:51	247	5.2	43.6	15.20	5.3	43.2	0				
2004-Dec-22	4:51										End Tail Slurry	
2004-Dec-22	4:51	87	0.0	44.1	15.37	0.0	43.8	0				
2004-Dec-22	4:51	82	0.0	44.1	15.35	0.0	43.8	0				
2004-Dec-22	4:51								Reset Total, Vol = 44.10 bbl			
2004-Dec-22	4:51								Drop Top Plug			
2004-Dec-22	4:51	78	0.0	0.0	15.35	0.0	0.0	0				
2004-Dec-22	4:51								Start Displacement			
2004-Dec-22	4:51	78	0.0	0.0	15.36	0.0	0.0	0				
2004-Dec-22	4:51	69	0.0	0.0	15.35	0.0	0.0	0				
2004-Dec-22	4:52	55	0.0	0.0	15.25	0.1	0.0	0				
2004-Dec-22	4:52	55	0.0	0.0	15.26	0.0	0.0	0				
2004-Dec-22	4:53	55	0.0	0.0	14.68	0.0	0.0	0				

Well		Field			Service Date		Customer		Job Number
ATKINS 'O' #3					04357-Dec-22		OXY USA, INC.		2205547113
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	bbl/min	bbl	0	
2004-Dec-22	4:53	55	0.0	0.0	14.81	0.0	0.0	0	
2004-Dec-22	4:54	142	3.0	0.5	10.18	2.6	0.5	0	
2004-Dec-22	4:54	206	6.6	3.2	8.85	6.7	3.1	0	
2004-Dec-22	4:55	179	6.6	6.5	8.26	7.2	6.7	0	
2004-Dec-22	4:55	183	6.6	9.9	8.15	6.4	10.0	0	
2004-Dec-22	4:56	238	7.8	13.8	8.10	7.6	13.8	0	
2004-Dec-22	4:56	188	6.6	17.7	8.32	6.8	17.5	0	
2004-Dec-22	4:57	215	6.6	21.0	8.32	0.1	20.0	0	
2004-Dec-22	4:57	243	6.6	24.3	8.33	1.4	21.8	0	
2004-Dec-22	4:58	252	6.6	27.6	8.32	6.7	23.9	0	
2004-Dec-22	4:58	266	6.6	30.9	8.32	6.6	27.2	0	
2004-Dec-22	4:59	261	6.6	34.2	8.32	6.7	30.6	0	
2004-Dec-22	4:59	284	6.6	37.5	8.32	6.8	33.9	0	
2004-Dec-22	5:00	293	6.6	40.8	8.32	6.8	37.2	0	
2004-Dec-22	5:00	307	6.6	44.1	8.32	6.7	40.6	0	
2004-Dec-22	5:01	316	6.6	47.4	8.32	6.7	43.9	0	
2004-Dec-22	5:01	334	6.6	50.7	8.32	6.6	47.2	0	
2004-Dec-22	5:02	334	6.6	54.0	8.32	6.6	50.6	0	
2004-Dec-22	5:02	352	6.6	57.3	8.32	6.7	53.9	0	
2004-Dec-22	5:03	352	6.6	60.6	8.32	6.6	57.2	0	
2004-Dec-22	5:03	380	6.6	63.9	8.32	6.6	60.5	0	
2004-Dec-22	5:04	385	6.6	67.2	8.32	6.7	63.8	0	
2004-Dec-22	5:04	417	6.6	70.5	8.32	6.6	67.2	0	
2004-Dec-22	5:05	421	6.6	73.8	8.32	6.6	70.5	0	
2004-Dec-22	5:05	439	6.6	77.1	8.32	6.6	73.8	0	
2004-Dec-22	5:06	435	6.6	80.4	8.32	6.6	77.1	0	
2004-Dec-22	5:06	467	6.6	83.7	8.32	6.6	80.4	0	
2004-Dec-22	5:07	490	6.6	87.1	8.32	6.6	83.8	0	
2004-Dec-22	5:07	513	6.6	90.4	8.32	6.6	87.1	0	
2004-Dec-22	5:08	508	6.1	93.6	8.32	6.1	90.2	0	
2004-Dec-22	5:08	545	6.0	96.6	8.32	6.0	93.3	0	
2004-Dec-22	5:09	536	5.2	99.5	8.32	5.2	96.2	0	
2004-Dec-22	5:09	536	5.2	102.1	8.32	5.1	98.8	0	
2004-Dec-22	5:10	558	5.2	104.7	8.32	5.2	101.3	0	
2004-Dec-22	5:10	563	5.2	107.3	8.32	5.2	103.9	0	
2004-Dec-22	5:11	558	4.3	109.5	8.32	4.3	106.2	0	
2004-Dec-22	5:11	572	3.9	111.6	8.33	3.9	108.3	0	
2004-Dec-22	5:12	545	2.1	113.4	8.32	2.1	110.1	0	
2004-Dec-22	5:12	540	2.0	114.4	8.32	2.0	111.1	0	
2004-Dec-22	5:13	568	2.0	115.4	8.32	2.0	112.2	0	
2004-Dec-22	5:13	568	2.0	116.4	8.32	2.0	113.2	0	
2004-Dec-22	5:14	554	2.0	117.4	8.32	2.0	114.2	0	
2004-Dec-22	5:14	558	2.0	118.5	8.32	2.1	115.2	0	
2004-Dec-22	5:15	572	2.0	119.5	8.32	2.1	116.2	0	
2004-Dec-22	5:15	577	2.0	120.5	8.32	2.0	117.2	0	
2004-Dec-22	5:16	586	2.0	121.5	8.32	2.0	118.2	0	
2004-Dec-22	5:16	609	2.0	122.5	8.32	2.0	119.2	0	
2004-Dec-22	5:17	934	0.0	123.1	8.33	0.0	119.9	0	
2004-Dec-22	5:17								Bump Top Plug
2004-Dec-22	5:17	920	0.0	123.1	8.33	0.0	119.9	0	
2004-Dec-22	5:17								End Displacement
2004-Dec-22	5:17	920	0.0	123.1	8.33	0.0	119.9	0	
2004-Dec-22	5:17								Reset Total, Vol = 123.07 bbl
2004-Dec-22	5:17	920	0.0	123.1	8.33	0.0	119.9	0	

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Well ATKINS 'O' #3		Field		Service Date 04357-Dec-22		Customer OXY USA, INC.		Job Number 2205547113	
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0
2004-Dec-22	5:17	920	0.0	0.0	8.33	0.0	0.0	0	Message KCC APR 04 2005 CONFIDENTIAL
2004-Dec-22	5:18	916	0.0	0.0	8.33	0.0	0.0	0	
2004-Dec-22	5:18	69	0.0	0.0	8.33	0.0	0.0	0	
2004-Dec-22	5:19	60	0.0	0.0	8.33	0.0	0.0	0	
2004-Dec-22	5:19	55	0.0	0.0	8.33	0.0	0.0	0	
2004-Dec-22	5:19								
2004-Dec-22	5:19	55	0.0	0.0	8.33	0.0	0.0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2	
5			8		279		10		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density		
			950				lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement		Mix Water Temp	Cement Circulated to Surface?		Volume	
%	279 bbl		121.3 bbl		°F	<input checked="" type="checkbox"/>		55 bbl	
Customer or Authorized Representative			Schlumberger Supervisor			Washed Thru Perfs		To	
Fillpot, Gregg			Ahrends, Timothy			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	

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Date	12/22/04
Company	OXY
Job Number	2205547113
Well Name	Atkins
Well Number	O 3
County	Haskell
State	KS

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Schlumberger

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1948	
Shoe Length	43	
Insert Depth	1905	
Hole Size	12 1/4	
Hole Depth	1950	

1st System	
600 sacks	C
2.18 yield	D132,D20,S1,D29
12.2 weight	
12.3 water	176
cubic ft.	1308
height	3169
bbls	233

267	Pipe Volume	124
	Annular Volume	143
	Total Cement	279
	Total Water	326

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 800
 Cement lift 454

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

Test 2000

0 Mud

10 Spacer

233 Lead 12.2

47 Tail 14.8

121.3 Displacement

1500 Maximum Pressure

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

Pump time @ 6 BPM 67 MIN

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Customer OXY USA, INC.	Job Number 2205547193
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Well ATKINS 'O' 3		Location (legal) Perryton, TX		Schlumberger Location Perryton, TX		Job Start 2005-Jan-02	
Field		Formation Name/Type CONFIDENTIAL		Bit Size 7.88 in		Well MD 5,350 ft	
County HASKELL		State/Province KANSAS		BHP psi		Well TVD 5,350 ft	
Well Master: 0630646223		API / UWI:		BHST 138 °F		Pore Press. Gradient psi/ft	
Rig Name		Drilled For Oil & Gas		Service Via		Casing/Liner	
Offshore Zone		Well Class New		Well Type Development		Depth, ft 5348	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cp		Size, in 5.5	
Service Line Cementing		Job Type Cem Prod Casing		Weight, lb/ft 15.5		Grade 	
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		WellHead Connection 5 1/2" H&SM		Thread 	
Service Instructions CEMENT PROD 5 1/2" PRODUCTION CASING 20 BLS CW100 175 SKS 50/50 POZ/CLASS H + 2%D20 + 3%M117 + 5 PPSD42 + 5 PPS D53 + 0.25 %D112 + 0.25 %D65 + 0.25%D46		Perforations/Open Hole		Depth, ft		Size, in	
		Top, ft		Bottom, ft		Weight, lb/ft	
		spf		No. of Shots		Grade	
		Total Interval ft		Diameter in		Thread	
		Treat Down Casing		Displacement 126.3 bbl		Packer Type 	
		Tubing Vol. bbl		Casing Vol. 127 bbl		Annular Vol. 165 bbl	
		OpenHole Vol 292 bbl		Casing Tools		Squeeze Job	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Shoe Type:		Squeeze Type	
Lift Pressure: 600 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Depth: 5348 ft	
No. Centralizers: Top Plugs:		Bottom Plugs: 1		Stage Tool Type:		Tool Type:	
Cement Head Type: Single		Job Scheduled For: 2005-Jan-02 15:30		Arrived on Location: 2005-Jan-02 18:00		Stage Tool Depth: ft	
		Leave Location: 2005-Jan-02 18:00		Collar Type:		Tail Pipe Size: in	
				Collar Depth: 5305 ft		Tail Pipe Depth: ft	
				Sqr Total Vol: bbl			

Date	Time	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	Message
2005-Jan-02	16:12	-5	0.0	0.0	8.38	3.3	0.1	0	
2005-Jan-02	16:12	-5	0.0	0.0	8.38	3.3	0.2	0	
2005-Jan-02	16:12								Start Job
2005-Jan-02	16:13	-5	0.0	0.0	8.38	3.3	1.7	0	
2005-Jan-02	16:13	0	0.0	0.0	8.38	3.3	3.4	0	
2005-Jan-02	16:14	-5	0.0	0.0	8.38	3.3	5.0	0	
2005-Jan-02	16:14	14	0.0	0.0	8.38	1.5	0.4	0	
2005-Jan-02	16:15	-5	0.0	0.0	8.38	0.0	0.5	0	
2005-Jan-02	16:15	73	0.6	0.1	8.38	0.6	1.0	0	
2005-Jan-02	16:15	3081	0.0	0.2	8.38	0.0	1.1	0	
2005-Jan-02	16:15								Pressure Test Lines
2005-Jan-02	16:16	2980	0.0	0.2	8.38	0.0	1.1	0	
2005-Jan-02	16:16	2861	0.0	0.2	8.38	0.0	1.1	0	
2005-Jan-02	16:17	5	0.0	0.2	8.38	0.0	1.1	0	
2005-Jan-02	16:17	156	1.8	0.5	8.38	1.8	1.4	0	
2005-Jan-02	16:17								Start Pumping Wash
2005-Jan-02	16:17	156	2.3	1.1	8.38	2.2	1.9	0	
2005-Jan-02	16:18	156	2.8	1.6	8.38	2.7	2.5	0	
2005-Jan-02	16:18	252	4.9	3.8	8.38	5.0	4.6	0	
2005-Jan-02	16:19	252	4.9	6.3	8.38	5.1	7.1	0	
2005-Jan-02	16:19	256	5.0	8.8	8.37	5.1	9.7	0	
2005-Jan-02	16:20	261	5.0	11.3	8.36	5.0	12.2	0	

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Well		Field			Service Date		Customer		Job Number			
ATKINS 'O' #3					052-Jan-02		OXY USA, INC.		2205547193			
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message			
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl	0	KCC			
								0	APR 04 2005			
2005-Jan-02	16:20	270	5.1	13.9	8.36	5.1	14.9	0	CONFIDENTIAL			
2005-Jan-02	16:21	270	5.1	16.4	8.36	5.2	17.5	0				
2005-Jan-02	16:21	270	5.2	19.0	8.36	5.2	20.1	0				
2005-Jan-02	16:22	9	0.0	19.9	8.36	0.0	21.2	0				
2005-Jan-02	16:22										End Wash	
2005-Jan-02	16:22	5	0.0	0.0	8.36	0.1	0.0	0				
2005-Jan-02	16:22	-5	0.0	0.0	8.36	0.0	0.0	0				
2005-Jan-02	16:23	5	0.0	0.0	8.36	2.9	0.1	0				
2005-Jan-02	16:23	0	0.0	0.0	9.55	5.0	2.4	0				
2005-Jan-02	16:24	5	0.0	0.0	11.59	5.1	4.9	0				
2005-Jan-02	16:24	0	0.0	0.0	13.19	5.0	7.5	0				
2005-Jan-02	16:25	5	0.0	0.0	14.06	5.0	10.0	0				
2005-Jan-02	16:25	0	0.0	0.0	13.95	4.8	12.5	0				
2005-Jan-02	16:26	27	0.0	0.0	13.97	1.9	14.1	0				
2005-Jan-02	16:26	27	2.1	0.8	13.98	1.6	14.9	0				
2005-Jan-02	16:27	27	2.0	1.8	13.98	1.7	15.7	0				
2005-Jan-02	16:27	-9	0.0	2.3	13.98	0.0	16.2	0				
2005-Jan-02	16:28	-5	0.0	2.3	13.98	0.0	16.2	0				
2005-Jan-02	16:28	-5	0.0	2.3	13.98	0.0	16.2	0				
2005-Jan-02	16:29	-5	0.0	2.3	13.98	0.0	16.2	0				
2005-Jan-02	16:29	37	2.9	3.2	13.91	1.8	16.8	0				
2005-Jan-02	16:30	101	3.3	4.8	13.91	2.8	18.0	0				
2005-Jan-02	16:30	64	2.8	6.4	13.90	2.2	19.3	0				
2005-Jan-02	16:31	-5	0.0	6.9	13.87	0.0	19.8	0				
2005-Jan-02	16:31	-5	0.0	6.9	9.66	3.7	20.7	0				
2005-Jan-02	16:32	-5	0.0	6.9	10.24	4.2	22.5	0				
2005-Jan-02	16:32	0	0.0	6.9	11.92	4.7	24.9	0				
2005-Jan-02	16:33	-5	0.0	6.9	13.25	4.9	27.2	0				
2005-Jan-02	16:33	-5	0.0	6.9	14.07	4.8	29.7	0				
2005-Jan-02	16:34	-5	0.0	6.9	14.24	5.0	32.1	0				
2005-Jan-02	16:34	0	0.0	0.0	14.20	4.8	1.8	0				
2005-Jan-02	16:35	-5	0.0	0.0	14.20	4.9	4.2	0				
2005-Jan-02	16:35	-5	0.0	0.0	14.20	4.8	6.6	0				
2005-Jan-02	16:35								Start Cement Slurry			
2005-Jan-02	16:35	-5	0.0	0.0	14.20	3.9	7.0	0				
2005-Jan-02	16:36	293	3.4	0.5	14.20	2.7	0.5	0				
2005-Jan-02	16:36	229	3.4	2.2	14.20	3.0	2.0	0				
2005-Jan-02	16:37	206	3.5	3.9	14.20	3.1	3.6	0				
2005-Jan-02	16:37	197	3.7	5.7	14.43	3.1	5.1	0				
2005-Jan-02	16:38	156	3.9	7.6	13.76	3.4	6.8	0				
2005-Jan-02	16:38	215	5.0	9.9	14.11	4.8	8.9	0				
2005-Jan-02	16:39	229	5.0	12.4	14.14	4.7	11.2	0				
2005-Jan-02	16:39	160	5.0	14.9	13.98	4.6	13.6	0				
2005-Jan-02	16:40	192	5.0	17.4	13.92	4.2	15.8	0				
2005-Jan-02	16:40	146	5.4	20.1	13.80	5.2	18.2	0				
2005-Jan-02	16:41	169	5.4	22.8	13.99	5.3	20.8	0				
2005-Jan-02	16:41	183	5.4	25.5	13.96	5.2	23.4	0				
2005-Jan-02	16:42	169	5.4	28.2	13.97	5.2	26.0	0				
2005-Jan-02	16:42	151	5.4	30.9	13.90	5.2	28.6	0				
2005-Jan-02	16:43	160	5.4	33.7	13.86	5.4	31.2	0				
2005-Jan-02	16:43	174	5.5	36.4	13.93	5.2	33.9	0				
2005-Jan-02	16:44	174	5.5	39.2	13.90	5.3	36.6	0				
2005-Jan-02	16:44	179	5.5	42.0	13.68	5.3	39.2	0				
2005-Jan-02	16:45	179	5.5	44.7	13.69	5.6	41.9	0				

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Well		Field			Service Date		Customer		Job Number	
ATKINS C #3					052-Jan-02		OXY USA, INC.		2205547183	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbl/min	bbl	lb/gal	bbl/min	bbl	0		
2005-Jan-02	16:45	-5	0.0	44.9	13.69	0.0	42.4	0		
2005-Jan-02	16:45								End Cement Slurry	
2005-Jan-02	16:45	-5	0.0	44.9	13.69	0.0	42.4	0		
2005-Jan-02	16:45								Reset Total Vol = 44.92 bbl	
2005-Jan-02	16:45	-9	0.0	0.0	13.69	0.0	0.0	0	KCC	
2005-Jan-02	16:46	-14	0.0	0.0	13.69	0.0	0.0	0	APR 04 2005	
2005-Jan-02	16:46	69	0.0	0.0	13.69	1.2	0.0	0	CONFIDENTIAL	
2005-Jan-02	16:47	119	4.4	0.0	9.41	3.5	1.2	0		
2005-Jan-02	16:47	179	5.0	0.0	8.71	5.0	3.4	0		
2005-Jan-02	16:48	160	5.0	0.0	8.57	4.8	5.9	0		
2005-Jan-02	16:48	160	5.0	0.0	8.40	4.9	8.4	0		
2005-Jan-02	16:49	169	5.0	0.0	8.45	5.0	10.9	0		
2005-Jan-02	16:49	0	0.0	0.0	8.45	0.0	11.9	0		
2005-Jan-02	16:50	-9	0.0	0.0	8.45	0.0	11.9	0		
2005-Jan-02	16:50	64	5.5	0.9	8.37	5.4	13.7	0		
2005-Jan-02	16:51	87	6.0	3.9	8.37	5.9	16.7	0		
2005-Jan-02	16:51	82	6.0	6.9	8.35	6.0	19.7	0		
2005-Jan-02	16:52	87	6.1	9.9	8.35	6.2	22.7	0		
2005-Jan-02	16:52	82	6.1	12.9	8.35	6.2	25.8	0		
2005-Jan-02	16:53	92	6.1	15.9	8.35	6.1	28.9	0		
2005-Jan-02	16:53	87	6.2	18.7	8.35	6.2	18.8	0		
2005-Jan-02	16:53								Drop Top Plug	
2005-Jan-02	16:53								Start Displacement	
2005-Jan-02	16:53	87	6.1	18.8	8.35	6.3	18.9	0		
2005-Jan-02	16:53	87	6.1	19.0	8.35	6.3	19.1	0		
2005-Jan-02	16:54	82	6.1	22.0	8.35	6.3	22.2	0		
2005-Jan-02	16:54	82	6.2	25.1	8.35	6.1	25.2	0		
2005-Jan-02	16:55	78	6.2	28.2	8.35	6.0	28.3	0		
2005-Jan-02	16:55	82	6.2	31.3	8.35	6.0	31.4	0		
2005-Jan-02	16:56	64	6.2	34.5	0.55	0.0	32.4	0		
2005-Jan-02	16:56	73	6.2	37.6	0.85	0.0	35.6	0		
2005-Jan-02	16:57	73	6.2	40.8	0.01	0.0	35.6	0		
2005-Jan-02	16:57	69	6.2	43.9	0.98	5.5	38.6	0		
2005-Jan-02	16:58	60	6.2	47.0	0.01	0.0	43.9	0		
2005-Jan-02	16:58	55	4.7	49.4	7.59	3.6	44.1	0		
2005-Jan-02	16:59	55	5.0	51.9	8.35	5.0	46.6	0		
2005-Jan-02	16:59	46	5.1	54.4	8.35	5.1	49.1	0		
2005-Jan-02	17:00	60	5.1	57.0	8.35	5.1	51.7	0		
2005-Jan-02	17:00	60	5.1	59.5	8.35	5.2	54.3	0		
2005-Jan-02	17:01	64	5.1	62.1	8.35	5.2	56.8	0		
2005-Jan-02	17:01	60	5.1	64.6	8.35	5.2	59.4	0		
2005-Jan-02	17:02	41	5.1	67.1	8.35	4.4	61.9	0		
2005-Jan-02	17:02	41	5.2	69.7	8.35	4.9	64.1	0		
2005-Jan-02	17:03	41	5.2	72.3	8.36	4.8	66.5	0		
2005-Jan-02	17:03	41	5.2	74.9	8.36	5.1	69.1	0		
2005-Jan-02	17:04	82	5.2	77.5	8.36	5.1	71.6	0		
2005-Jan-02	17:04	69	5.2	80.2	8.36	5.0	74.2	0		
2005-Jan-02	17:05	60	5.3	82.8	8.36	4.7	76.8	0		
2005-Jan-02	17:05	50	5.2	85.4	8.36	5.4	79.3	0		
2005-Jan-02	17:06	46	5.2	88.0	8.36	5.3	81.9	0		
2005-Jan-02	17:06	78	5.2	90.6	8.36	5.0	84.6	0		
2005-Jan-02	17:07	60	5.2	93.2	8.36	5.3	87.2	0		
2005-Jan-02	17:07	64	5.2	95.9	8.36	5.4	89.8	0		
2005-Jan-02	17:08	192	5.3	98.6	8.36	5.2	92.6	0		

Reset Total Vol = 44.92 bbl
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Well		Field			Service Date		Customer		Job Number	
ATKINS 'O' #3					052-Jan-02		OXY USA, INC.		2205547193	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	bbbl/min	bbbl	0		
2005-Jan-02	17:08	522	5.2	101.2	8.36	5.4	95.3	0	KCC	
2005-Jan-02	17:09	151	5.1	103.4	8.36	5.1	97.6	0	APR 0 4 2005	
2005-Jan-02	17:09	238	5.4	106.1	8.36	5.5	100.3	0	CONFIDENTIAL	
2005-Jan-02	17:10	293	5.4	108.8	8.38	10.5	103.0	0		
2005-Jan-02	17:10	339	5.5	111.6	0.03	0.0	105.2	0		
2005-Jan-02	17:11	417	5.4	114.3	0.01	0.0	105.2	0		
2005-Jan-02	17:11	417	5.5	117.0	0.01	0.0	107.8	0		
2005-Jan-02	17:12	389	5.5	119.8	0.01	0.0	107.8	0		
2005-Jan-02	17:12	439	4.4	113.1	0.25	0.0	110.2	0		
2005-Jan-02	17:13	467	4.5	115.4	8.38	4.6	111.3	0		
2005-Jan-02	17:13	540	2.9	117.5	7.41	6.7	112.4	0		
2005-Jan-02	17:14	485	2.1	118.7	8.35	2.1	113.7	0		
2005-Jan-02	17:14	504	2.1	119.8	8.35	2.2	114.8	0		
2005-Jan-02	17:15	526	2.1	120.9	8.35	2.2	115.9	0		
2005-Jan-02	17:15	545	2.2	122.0	8.35	2.2	117.0	0		
2005-Jan-02	17:16	751	2.1	123.1	8.35	2.1	118.1	0		
2005-Jan-02	17:16	1309	0.0	123.3	8.35	0.0	118.4	0		
2005-Jan-02	17:17								Bump Top Plug	
2005-Jan-02	17:17	1309	0.0	123.3	8.35	0.0	118.4	0		
2005-Jan-02	17:17	1309	0.0	123.3	8.35	0.0	118.4	0		
2005-Jan-02	17:17								End Displacement	
2005-Jan-02	17:17	1309	0.0	123.3	8.35	0.0	118.4	0		
2005-Jan-02	17:17								Reset Total, Vol = 123.25 bbl	
2005-Jan-02	17:17	1309	0.0	123.3	8.35	0.0	118.4	0		
2005-Jan-02	17:17	984	0.0	0.0	8.35	0.0	0.0	0		
2005-Jan-02	17:18	-9	0.0	0.0	8.35	0.0	0.0	0		
2005-Jan-02	17:18	-9	0.0	0.0	8.35	0.0	0.0	0		
2005-Jan-02	17:18								End Job	
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5			6	42		20				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
			1300		bbbl	lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft						
%	41 bbl	126.3 bbl	°F							
Customer or Authorized Representative			Schlumberger Supervisor		CirculationLost			Job Completed		
Fillpot, Gregg					Ahrends, Timothy			<input checked="" type="checkbox"/>		

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Date	01/02/05
Company	OXY
Job Number	2205547193
Well Name	Atkins
Well Number	O 3
County	Haskell
State	KS

Schlumberger

Pipe Size	5 1/2	
Pipe Weight	15.5	17
Pipe Depth	5348	
Shoe Length	43	
Insert Depth	5305	
Hole Size	7 7/8	
Hole Depth	5350	

1st System	
150 sacks	H
1.55 yield	
13.8 weight	
7.1 water	25.4
cubic ft.	233
height	1342
bbls	41.4

292	Pipe Volume	127
	Annular Volume	165
	Total Cement	41
	Total Water	152

Pipe Factor	0.0238	0.0232
Annular Factor	0.0309	
Height Factor	5.7718	

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

Casing lift 3489
Cement lift 666

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

Test 3000

20 Chemical Wash

0 Water

41 Lead 13.8

0 Tail 0

126.3 Displacement

2000 Maximum Pressure

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

Pump Time @ 5 BPM 34 MIN

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INVOICE NO.		Subject to Correction		FIELD ORDER 9360	
Date	1-11-05	Lease	ATKINS "O"	Well #	3
Customer ID		County	HASKELL	State	KS
OXY USA		Depth	3138	Formation	
KCC		Casing	5 1/2	Casing Depth	3138
APR 04 2005		Customer Representative	GREG FILIPOT		Treater
				Shoe Joint	
				Job Type	
				PORT Collar (NW)	
				LIBERAL	

CHARGE

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AFE Number	PO Number	Materials Received by	X <i>Greg Filipot</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D204	250 sx	50/50 Poz Premium				
C140	630 lb	KCL				
C195	168 lb	FLA-377				
C311	1250 lb	CAL SET				
C321	1250 lb	Gilsonite				
C243	52 lb	Defamer				
C244	52 lb	CFR				
C302	500 gal	MUD FLUSH				
E100	60 m.	units 1 miles 1WAY				
E101	60 m.	P.U. Mileage				
E107	250 sx	CMT SERVICE charge				
E104	630 TM	Tons 1/2 miles 60				
R307	1ea	CMT Pumper 4hrs				
Discounted total PLUS TAX						6,424.18

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As consideration, the Customer agrees:

- a) To pay ACID SERVICES, LLC in accord with the rates and terms stated in ACID SERVICES, LLC's current price list. Invoices are payable NET 30 after date of invoice. Upon Customers' default payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection cost and attorney fees in the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury of death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The amount of this invoice is due and payable at ACID SERVICES, LLC, Dept. No. 1131, Tulsa, Oklahoma 74182. All terms of the Service Order with customer are incorporated herein and made a part hereof by reference.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by ACID SERVICES, LLC's negligence, strict liability, or operated, or furnished by ACID SERVICES, LLC or any defect in the data, products, supplies, materials, or equipment of ACID SERVICES, LLC whether the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of ACID SERVICES, LLC. The term "ACID SERVICES, LLC" as used in said Sections b) and c) shall mean ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ACID SERVICES, LLC is unable to guarantee the effectiveness of the products, supplies, or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ACID SERVICES, LLC. ACID SERVICES, LLC personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that ACID SERVICES, LLC shall not be liable for and Customer shall indemnify ACID SERVICES, LLC against any damages from the use of such information.
- d) That ACID SERVICES, LLC warrants only title to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Acid Services LLC's liability and Customer's exclusive remedy in and cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials in expressly limited to the replacement of such products, supplies or materials on their return to ACID SERVICES, LLC or, at ACID SERVICES, LLC's option, to the allowance to the Customer of credit for the cost of such items. In no event shall ACID SERVICES, LLC be liable for special, incidental, indirect, punitive or consequential damages.
- e) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law. We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to service furnished under this contract.
- f) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- g) That ACID SERVICES, LLC shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized manager of ACID SERVICES, LLC.

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TREATMENT REPORT



Customer CONFIDENTIAL	Date 1-11-05
Customer OXY USA	Lease No.
Lease ATKINS "O"	Well # 3

Field Order # 9316	Station LIBERAL	Casing 5 1/2	Depth 3138	County Haskell	State KS
Type Job Port Collar (NW)	Formation	Legal Description 9-275-334			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 3/8	Shots/Ft		Acid 250 SX 50/50 P02		RATE	PRESS	ISIP
Depth 200 3138	Depth 3138	From	To	Pre Pad		Max		5 Min.
Volume	Volume 12.1	From	To	Pad MUD FLUSH		Min		10 Min.
Max Press 1500	Max Press 1500	From	To	Frac		Avg		15 Min.
Well Connection 2 7/8	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush WATER		Gas Volume		Total Load

Customer Representative GREG ELLIOTT	Station Manager Jerry BENNETT	Treater Shaun FREDERICK
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Service Units	114	227	338	470
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1410					ON LOCATION
1415					PRE-JOB SAFETY MEETING
1420					RIG UP P.T.
1505					PSI TEST PORT COLLAR
1510					OPEN P.C.
1514		300	18	3	Pump 18 BBLs WATER
1520		300	12	3	Pump 500 gal MUD FLUSH
1525		300	3	3	Pump 3 BBLs WATER Spacer
1526		300	80	3	Pump 250 SX 50/50 P02 Prem @ 15.5"
1530		300		3	CIR TO P.T (47 BBLs TOTAL IN)
1547		1600	11 3/4	3	Pump Disp
1552		1000			SHUT DOWN / CLOSE P.C.
1554		2000			TEST P.C.
1558					RUN IN w/ 6 JNT'S TUBING / WASH LINE
1610		1000	30	4	REVERSE OUT
1622		2000			TEST P.C.
1624					RELEASE PSI
1700					JOB Complete

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