

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

September 1999

CONFIDENTIAL

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: Regency
 Operator Contact Person: Vicki Carder
 Phone: (620) 629-4200
 Contractor: Name: Cheyenne Drilling LP
 License: 33375
 Wellsite Geologist: NA
 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 - 093-21754-00-00
 County: Kearny
SW - SW - NE - NE Sec 34 Twp. 26 S. R. 36W
1250 feet from S (circle one) Line of Section
1250 feet from W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Tate B Well #: 4
 Field Name: Panoma Council Grove
 Producing Formation: Council Grove
 Elevation: Ground: 3098 Kelly Bushing: 3107
 Total Depth: 3124 Plug Back Total Depth: 3080
 Amount of Surface Pipe Set and Cemented at 566 feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____
 If Alternate II completion, cement circulated from _____
 Set depth to _____ w/ _____ sx cmt.

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Drilling Fluid Management Plan ALT II with
 (Data must be collected from the Reserve Pit) 4-20-07
 Chloride content 37000 mg/l ppm Fluid volume 900 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.

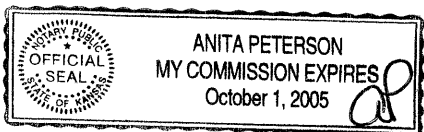
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Vicki Carder
 Title: Capital Project Date May 26, 2005
 Subscribed and sworn to before me this 26 day of May
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: Tate B Well #: 4
 Sec. 34 Twp. 26 S. R. 36W East West County: Kearny

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: CBL Neutron TracerScan	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Council Grove</td> <td>2835</td> <td>272</td> </tr> <tr> <td>Matfield</td> <td>2792</td> <td>315</td> </tr> <tr> <td>Wreford</td> <td>2811</td> <td>296</td> </tr> </table>	Name	Top	Datum	Council Grove	2835	272	Matfield	2792	315	Wreford	2811	296
Name	Top	Datum											
Council Grove	2835	272											
Matfield	2792	315											
Wreford	2811	296											

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	566	C	165	35/65 Poz + Additives
					C	150	Class C + Additives
Production	7 7/8	4 1/2	10.5	3123	C	285	Class C + Additives
					H	200	50/50 Poz + Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	2890-2885		Acidize - 2500 gls 15% HCL	
3	2881-2858		83,375 gls WF125 75%QN2, 165,500# 16/30 Sand	
2	2855-2836			

TUBING RECORD	Size 2 3/8	Set At 2914	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 03/28/05		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf 178	Water Bbls 12	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) _____

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MAY 26 2005 Cementing Service Report

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Customer: OXY USA, INC.						Job Number: 2205547710			
Well: TATE 'B' 4			Location (legal): Sec 34-T26S-R36W			Schlumberger Location: Perryton, TX		Job Start: 2005-Feb-04	
Field: PANOMA		Formation Name/Type:		Deviation: °	Bit Size: 7.88 in	Well MD: 3,124 ft	Well TVD: 3,124 ft		
County: KEARNY		State/Province: KANSAS		BHP: psi	BHST: 111 °F	BHCT: °F	Pore Press. Gradient: psi/ft		
Well Master: 0630652840		API / UWI:		Casing/Liner					
Rig Name: CHEYENNE 8	Drilled For: Gas	Service Via: Land		Depth, ft: 3119	Size, in: 4.5	Weight, lb/ft: 10.5	Grade: Thread:		
Offshore Zone:		Well Class: New	Well Type: Development		Tubing/Drill Pipe				
Drilling Fluid Type: Bentonite		Max. Density: 9.3 lb/gal	Plastic Viscosity: 33 cp	Depth:	Size, in:	Weight, lb/ft:	Grade: Thread:		
Service Line: Cementing		Job Type: Cem Prod Casing		Perforations/Open Hole					
Max. Allowed Tubing Pressure: 2000 psi		Max. Allowed Ann. Pressure: psi		Wellhead Connection: 4 1/2" H & SM		Top, ft:	Bottom, ft:		
Service Instructions: CEMENT PROD 4 1/2" CASING: 20 BBLS CW100 285 SKS CLASS C + 3% D079 + 0.2 % D046 + 0.25 PPS D029 200 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPSD42+5 PPS D53+0.6 %D112+ 0.25 %D65 + 0.25%D46 DISPLACE W/FRESH WATER				No. of Shots:		Total Interval: ft			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: 600 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: Auto-Fill			
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		Shoe Depth: 3086.4 ft			
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft		Squeeze Type:			
Job Scheduled For: 2005-Feb-04 4:30		Arrived on Location: 2005-Feb-04 10:30		Leave Location: 2005-Feb-04 10:30		Tool Type:			
Collar Type:		Collar Depth: ft		Tail Pipe Size: in		Tail Pipe Depth: ft			
Collar Depth: ft		Sqz Total Vol: bbl		Treat Down Casing: 49.1 bbl		Packer Type: Packer Depth: ft			
Tubing Vol: bbl		Casing Vol: 50 bbl		Annular Vol: 127 bbl		Open Hole Vol: 177 bbl			
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0	
2005-Feb-04	8:37					0	0	0	Start Job
2005-Feb-04	8:37	0	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:37					0	0	0	Pressure Test Lines
2005-Feb-04	8:37	0	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:37					0	0	0	Start Pumping Spacer
2005-Feb-04	8:37	5	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:38	0	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:39	0	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:40	0	8.36	0.0	0.2	0	0	0	
2005-Feb-04	8:41	0	8.36	0.0	0.2	0	0	0	
2005-Feb-04	8:42	0	8.36	0.0	0.2	0	0	0	
2005-Feb-04	8:43	0	8.36	2.9	1.0	0	0	0	
2005-Feb-04	8:44	0	8.36	5.8	6.0	0	0	0	
2005-Feb-04	8:45	0	8.36	5.4	11.7	0	0	0	
2005-Feb-04	8:46	0	8.36	5.2	17.0	0	0	0	
2005-Feb-04	8:47					0	0	0	End Spacer
2005-Feb-04	8:47	0	8.36	0.0	20.6	0	0	0	
2005-Feb-04	8:47					0	0	0	Reset Total, Vol = 20.59 bbl
2005-Feb-04	8:47	0	8.36	0.0	20.6	0	0	0	
2005-Feb-04	8:47	0	8.36	0.0	0.0	0	0	0	
2005-Feb-04	8:47					0	0	0	Start Mixing Lead Slurry
2005-Feb-04	8:47	5	8.36	0.0	0.0	0	0	0	

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Well		Field				Service Date		Customer		Job Number
TATE 'B' #4		PANOMA				0535-Feb-04		OXY USA, INC.		2205547710
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2005-Feb-04	8:48	0	10.98	6.3	2.8	0	0	0	KCC MAY 25 2005	
2005-Feb-04	8:49	5	11.32	5.4	8.3	0	0	0		
2005-Feb-04	8:50	0	11.07	5.6	13.8	0	0	0	CONFIDENTIAL	
2005-Feb-04	8:51	0	11.16	5.7	19.5	0	0	0		
2005-Feb-04	8:52	0	11.12	5.8	25.3	0	0	0		
2005-Feb-04	8:53	0	11.10	5.8	31.1	0	0	0		
2005-Feb-04	8:54	5	11.17	5.8	37.0	0	0	0		
2005-Feb-04	8:55	0	11.17	5.6	42.9	0	0	0		
2005-Feb-04	8:56	5	11.14	5.9	48.7	0	0	0		
2005-Feb-04	8:57	0	11.15	5.5	54.3	0	0	0		
2005-Feb-04	8:58	5	11.24	5.5	59.8	0	0	0		
2005-Feb-04	8:59	0	11.26	5.5	65.3	0	0	0		
2005-Feb-04	9:00	0	11.21	5.5	70.7	0	0	0		
2005-Feb-04	9:01	0	11.19	5.5	76.2	0	0	0		
2005-Feb-04	9:02	0	11.43	5.5	81.8	0	0	0		
2005-Feb-04	9:03	5	11.27	5.5	87.3	0	0	0		
2005-Feb-04	9:04	5	11.11	5.5	92.8	0	0	0		
2005-Feb-04	9:05	0	11.13	5.5	98.4	0	0	0		
2005-Feb-04	9:06	5	11.09	5.5	103.9	0	0	0		
2005-Feb-04	9:07	5	11.24	5.5	109.2	0	0	0		
2005-Feb-04	9:08	5	11.37	5.5	114.7	0	0	0		
2005-Feb-04	9:09	5	11.34	5.5	120.2	0	0	0		
2005-Feb-04	9:10	0	11.24	5.5	125.7	0	0	0		
2005-Feb-04	9:11	5	11.18	5.5	131.2	0	0	0		
2005-Feb-04	9:12	0	11.12	5.5	136.7	0	0	0		
2005-Feb-04	9:13	5	11.10	5.5	142.3	0	0	0		
2005-Feb-04	9:14	0	11.09	5.5	147.8	0	0	0		
2005-Feb-04	9:15	0	11.31	5.5	153.4	0	0	0		
2005-Feb-04	9:16								End Lead Slurry	
2005-Feb-04	9:16	0	11.44	5.5	158.0	0	0	0		
2005-Feb-04	9:16								Reset Total, Vol = 158.24 bbl	
2005-Feb-04	9:16	0	11.49	5.5	158.2	0	0	0		
2005-Feb-04	9:16								Start Mixing Tail Slurry	
2005-Feb-04	9:16	0	11.52	5.5	0.2	0	0	0		
2005-Feb-04	9:16	0	11.63	5.5	0.6	0	0	0		
2005-Feb-04	9:17	0	13.11	5.5	6.2	0	0	0		
2005-Feb-04	9:18	5	14.13	5.5	11.7	0	0	0		
2005-Feb-04	9:19	5	14.15	5.6	17.3	0	0	0		
2005-Feb-04	9:20	0	14.05	5.7	22.9	0	0	0		
2005-Feb-04	9:21	0	13.91	5.6	28.5	0	0	0		
2005-Feb-04	9:22	5	13.99	6.2	34.6	0	0	0		
2005-Feb-04	9:23	5	14.01	6.2	40.8	0	0	0		
2005-Feb-04	9:24	0	14.00	6.2	47.1	0	0	0		
2005-Feb-04	9:25	0	14.16	5.0	52.4	0	0	0		
2005-Feb-04	9:26								End Tail Slurry	
2005-Feb-04	9:26	0	14.56	0.1	57.3	0	0	0		
2005-Feb-04	9:26								Reset Total, Vol = 57.31 bbl	
2005-Feb-04	9:26	5	14.52	0.0	57.3	0	0	0		
2005-Feb-04	9:26	5	14.50	0.0	0.0	0	0	0		
2005-Feb-04	9:26								Drop Top Plug	
2005-Feb-04	9:26								Start Displacement	
2005-Feb-04	9:26	5	14.48	0.0	0.0	0	0	0		
2005-Feb-04	9:27	0	9.31	0.0	0.0	0	0	0		
2005-Feb-04	9:28	5	8.99	5.8	0.0	0	0	0		

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Well		Field			Service Date		Customer		Job Number	
TATE 'B' #4		PANOMA			0535-Feb-04		OXY USA, INC.		2205547710	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0		
2005-Feb-04	9:29	0	8.39	5.8	0.0	0	0	0	KCC MAY 26 2005 CONFIDENTIAL	
2005-Feb-04	9:30	5	8.36	0.0	0.0	0	0	0		
2005-Feb-04	9:31	0	8.38	4.2	1.9	0	0	0		
2005-Feb-04	9:32	5	8.38	4.8	6.4	0	0	0		
2005-Feb-04	9:33	5	8.37	5.0	11.2	0	0	0		
2005-Feb-04	9:34	0	8.37	5.1	16.3	0	0	0		
2005-Feb-04	9:35	0	8.37	5.1	21.4	0	0	0		
2005-Feb-04	9:36	5	8.37	5.1	26.5	0	0	0		
2005-Feb-04	9:37	0	8.37	5.2	31.6	0	0	0		
2005-Feb-04	9:38	5	8.37	5.2	36.8	0	0	0		
2005-Feb-04	9:39	0	8.37	2.0	40.9	0	0	0		
2005-Feb-04	9:40	0	8.37	2.0	42.9	0	0	0		
2005-Feb-04	9:41	0	8.37	2.0	44.8	0	0	0		
2005-Feb-04	9:42	5	8.37	2.0	46.8	0	0	0		
2005-Feb-04	9:43	5	8.37	0.0	48.0	0	0	0		
2005-Feb-04	9:44								Bump Top Plug	
2005-Feb-04	9:44	5	8.37	0.0	48.0	0	0	0		
2005-Feb-04	9:44								End Displacement	
2005-Feb-04	9:44	5	8.37	0.0	48.0	0	0	0		
2005-Feb-04	9:44								Reset Total, Vol = 47.99 bbl	
2005-Feb-04	9:44	0	8.37	0.0	48.0	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			
4.5	0	0	6	223	0	20				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density			
600		200	1100				8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume 45 bbl			
%	223 bbl		49.1 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, Greg			Tan, Naveen							

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Date	1/29/2005
Company	Oxy USA Inc.
Job Number	2205547710
Well Name	Tate
Well Number	B-4
County	Kearny
State	KS

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Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	3129	0
Shoe Length	42.6	
Insert Depth	3086.4	
Hole Size	7 7/8	
Hole Depth	3124	

Lead	
285 sacks	Class C
3.3 yield	D79,D46,D29
11 weight	
20.3 water	138
cubic ft.	941
height	4129
bbls	168

Pipe Volume	50
Annular Volume	127
Total Cement	223
Total Water	221

177

Pipe Factor	0.0159	0.0159
Annular Factor	0.0406	
Height Factor	4.3898	

Tail	
200 sacks	50/50 POZ
1.55 yield	D46,D42,M117,D20,D65,D112,D53
13.8 weight	
7.1 water	34
cubic ft.	310
height	1361
bbls	55.2

Casing lift 2066
Cement lift 991

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

Test 2000 psi

Mud

20 Spacer CW100

168 Lead 11

55 Tail 13.8

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

49.1 Displacement

2000 Maximum Pressure

Pump time @ 4 BPM

68 MIN

Schlumberger **Cementing Service Report**

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Customer: OXY USA, INC.

Job Number

2205547708

Well TATE 'B' 4		Location (legal) Sec 34-T26S-R36W		Schlumberger Location Perryton, TX		Job Start 2005-Feb-02			
Field PANOMA		Formation Name/Type		Deviation		Well MD 567 ft			
County KEARNY		State/Province KANSAS		BHP psi		Well TVD 567 ft			
Well Master: 0630652840		API / UWI: 15093217540000		BHST 87 °F		BHCT °F			
Rig Name CHEYENNE 8		Drilled For Gas		Service Via Land		Casing/Liner			
Offshore Zone		Well Class New		Well Type Development		Depth, ft 557			
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal		Plastic Viscosity 33 cp		Size, in 8.63			
Service Line Cementing		Job Type Cem Surface Casing		Weight, lb/ft 24		Grade 8RD			
Max. Allowed Tubing Pressure 1000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 8 5/8" H&SM		Thread 8RD			
Service Instructions CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 165 SK 35:65 POZ C + 6% D020 + 2% S001 + 0.5 pps D029 150 SK CLASS C + 2% S001 + 0.25 pps D029		Perforations/Open Hole		Depth, ft		Thread			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Top, ft		Bottom, ft			
Lift Pressure: 200 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		No. of Shots			
No. Centralizers: Top Plugs:		Bottom Plugs: 1		Casing Tools		Squeeze Job			
Cement Head Type: Single		Job Scheduled For: 2005-Feb-02 15:30		Arrived on Location: 2005-Feb-02 15:30		Leave Location: 2005-Feb-02 18:30			
Shoe Type: Auto-Fill		Shoe Depth: 527 ft		Stage Tool Type:		Tool Depth: ft			
Stage Tool Depth: ft		Collar Type:		Collar Depth: ft		Tail Pipe Size: in			
Squeeze Type		Tool Type:		Tail Pipe Depth: ft		Sqz Total Vol: bbl			
Treat Down Casing		Displacement 33.6 bbl		Packer Type		Packer Depth ft			
Tubing Vol. bbl		Casing Vol. 36 bbl		Annular Vol. 42 bbl		Open Hole Vol. 78 bbl			
Date	Time	Annulus psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0	0	Message
2005-Feb-02	16:39	0	8.36	0.0	0.0	0	0	0	
2005-Feb-02	16:39								Start Job
2005-Feb-02	16:39	0	8.36	0.0	0.0	0	0	0	
2005-Feb-02	16:39								Pressure Test Lines
2005-Feb-02	16:39	0	8.36	0.0	0.0	0	0	0	
2005-Feb-02	16:39	0	8.36	0.0	0.0	0	0	0	Start Pumping Spacer
2005-Feb-02	16:40	0	8.36	0.0	0.0	0	0	0	
2005-Feb-02	16:41	0	8.36	0.4	0.1	0	0	0	
2005-Feb-02	16:42								Reset Total, Vol = 0.23 bbl
2005-Feb-02	16:42	0	8.36	0.0	0.2	0	0	0	
2005-Feb-02	16:42	0	8.36	0.0	0.0	0	0	0	
2005-Feb-02	16:43	0	8.36	5.8	1.8	0	0	0	
2005-Feb-02	16:44	0	8.35	5.3	7.1	0	0	0	
2005-Feb-02	16:45	0	8.57	5.3	10.0	0	0	0	
2005-Feb-02	16:45								End Spacer
2005-Feb-02	16:45	5	8.70	5.3	10.2	0	0	0	
2005-Feb-02	16:45								Reset Total, Vol = 10.24 bbl
2005-Feb-02	16:45								Start Mixing Lead Slurry
2005-Feb-02	16:45	0	8.78	5.3	0.2	0	0	0	
2005-Feb-02	16:45	0	9.63	5.4	2.2	0	0	0	
2005-Feb-02	16:46	0	11.66	5.4	7.7	0	0	0	

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Well		Field			Service Date		Customer		Job Number
TATE 'B' #4		PANOMA			0533-Feb-02		OXY USA, INC.		2205547708
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2005-Feb-02	16:47	0	12.75	5.4	13.0	0	0	0	
2005-Feb-02	16:48	0	12.19	5.4	18.4	0	0	0	
2005-Feb-02	16:49	5	12.26	5.4	23.8	0	0	0	
2005-Feb-02	16:50	0	12.14	5.4	29.3	0	0	0	
2005-Feb-02	16:51	0	12.51	5.5	34.8	0	0	0	
2005-Feb-02	16:52	0	12.39	5.5	40.3	0	0	0	
2005-Feb-02	16:53	0	12.34	5.5	45.8	0	0	0	
2005-Feb-02	16:54	5	12.36	5.5	51.2	0	0	0	
2005-Feb-02	16:55	0	13.39	5.5	56.7	0	0	0	
2005-Feb-02	16:56								End Lead Slurry
2005-Feb-02	16:56	0	13.72	5.5	58.7	0	0	0	
2005-Feb-02	16:56								Reset Total, Vol = 58.89 bbl
2005-Feb-02	16:56	5	13.75	5.5	58.9	0	0	0	
2005-Feb-02	16:56								Start Mixing Tail Slurry
2005-Feb-02	16:56	5	13.78	5.5	0.2	0	0	0	
2005-Feb-02	16:56	0	13.83	5.5	3.3	0	0	0	
2005-Feb-02	16:57	0	15.09	5.5	8.7	0	0	0	
2005-Feb-02	16:58	0	14.59	5.5	8.3	0	0	0	
2005-Feb-02	16:59	5	15.26	5.5	13.8	0	0	0	
2005-Feb-02	17:00	0	15.04	5.5	19.3	0	0	0	
2005-Feb-02	17:01	0	14.63	5.5	24.8	0	0	0	
2005-Feb-02	17:02	0	14.90	5.5	30.3	0	0	0	
2005-Feb-02	17:03	5	15.14	5.5	35.8	0	0	0	
2005-Feb-02	17:03	0	15.12	0.0	36.1	0	0	0	
2005-Feb-02	17:03								End Tail Slurry
2005-Feb-02	17:03								Reset Total, Vol = 36.11 bbl
2005-Feb-02	17:03	0	15.10	0.0	36.1	0	0	0	
2005-Feb-02	17:03								Drop Top Plug
2005-Feb-02	17:03	5	15.10	0.0	0.0	0	0	0	
2005-Feb-02	17:03	5	15.08	0.0	0.0	0	0	0	
2005-Feb-02	17:03								Start Displacement
2005-Feb-02	17:04	0	14.85	0.0	0.0	0	0	0	
2005-Feb-02	17:05	5	12.08	0.0	0.0	0	0	0	
2005-Feb-02	17:06	0	9.81	0.0	0.0	0	0	0	
2005-Feb-02	17:07	0	9.34	0.0	0.0	0	0	0	
2005-Feb-02	17:08	0	9.31	0.0	0.0	0	0	0	
2005-Feb-02	17:09	0	9.15	3.4	0.3	0	0	0	
2005-Feb-02	17:09								Reset Total, Vol = 0.30 bbl
2005-Feb-02	17:09	0	9.16	5.2	0.8	0	0	0	
2005-Feb-02	17:10	5	8.40	5.3	6.1	0	0	0	
2005-Feb-02	17:11	5	8.56	5.4	12.6	0	0	0	
2005-Feb-02	17:12	0	8.38	4.8	17.8	0	0	0	
2005-Feb-02	17:13	0	8.41	4.8	22.6	0	0	0	
2005-Feb-02	17:14	0	8.41	1.8	25.3	0	0	0	
2005-Feb-02	17:15	5	8.36	1.8	27.0	0	0	0	
2005-Feb-02	17:16	0	8.36	1.7	28.8	0	0	0	
2005-Feb-02	17:17	0	8.36	1.3	30.5	0	0	0	
2005-Feb-02	17:18	0	8.37	1.3	31.8	0	0	0	
2005-Feb-02	17:19	0	8.37	1.3	33.1	0	0	0	
2005-Feb-02	17:20	0	8.37	0.0	33.7	0	0	0	
2005-Feb-02	17:21	0	8.37	0.0	33.7	0	0	0	
2005-Feb-02	17:21	0	8.37	0.0	33.7	0	0	0	
2005-Feb-02	17:21								Bump Top Plug
2005-Feb-02	17:21	0	8.37	0.0	33.7	0	0	0	

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Well		Field			Service Date		Customer		Job Number	
TATE 'B' #4		PANOMA			0533-Feb-02		OXY USA, INC.		2205547708	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbf/min	bbf	0	0	0		
2005-Feb-02	17:21								End Displacement	
2005-Feb-02	17:21								End Job	
2005-Feb-02	17:21	0	8.37	0.0	33.7	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			5.5	96	0	10				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
200		120	500		bbf	8.34 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 35 bbl <input type="checkbox"/> Washed Thru Perfs To ft						
%	96 bbl	33.6 bbl	°F							
Customer or Authorized Representative				Schlumberger Supervisor				<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed		
Fillpot, Greg				Tan, Naveen						

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524

Schlumberger

Date	2/2/2005
Company	Oxy USA Inc.
Job Number	2205547708
Well Name	Tate
Well Number	B-4
County	Grant
State	Kansas

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Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	570.34	
Shoe Length	43.33	
Insert Depth	527.01	
Hole Size	12 1/4	
Hole Depth	567	

Lead	
155 sacks	35:65 Poz C
2.19 yield	D20,S1,D29
12.2 weight	
12.4 water	45.8
cubic ft.	339
height	823
bbls	60.5

78	Pipe Volume	36
	Annular Volume	42
	Total Cement	96
	Total Water	102

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

Tail	
150 sacks	Class C
1.34 yield	S1,D29
14.8 weight	
6.35 water	23
cubic ft.	201
height	487
bbls	35.8

Casing lift 234
Cement lift 166

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

Test 2000 psi

Mud

10 Spacer

60 Lead 12.2

36 Tail 14.8

33.6 Displacement

2000 Maximum Pressure

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

Pump time @ 4 BPM

32 MIN