

CONFIDENTIAL

KCC
MAY 20 2005

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

ORIGINAL

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Duke Energy
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 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. _____
01/29/05 01/31/05 03/08/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 067-21594-0000
County: Grant
SW - SW - NE - NE Sec 3 Twp. 27 S. R. 35W
1281 feet from S (N) (circle one) Line of Section
1275 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Dew A Well #: 4
Field Name: Panoma Council Grove
Producing Formation: Council Grove
Elevation: Ground: 3029 Kelly Bushing: 3038
Total Depth: 3132 Plug Back Total Depth: 3088
Amount of Surface Pipe Set and Cemented at 781 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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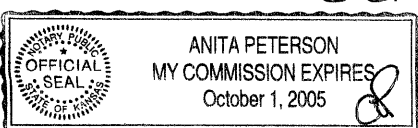
Drilling Fluid Management Plan ALT I with 4-6-05
(Data must be collected from the Reserve Pit)
Chloride content 19000 mg/l ppm Fluid volume 900 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ 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 20, 2005
Subscribed and sworn to before me this 20th 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: Dew A Well #: 4
 Sec. 3 Twp. 27 S. R. 35W East West County: Grant

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

Drill Stem Tests Taken <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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Chase</td> <td>2566</td> <td>472</td> </tr> <tr> <td>Krider</td> <td>2587</td> <td>451</td> </tr> <tr> <td>Winfield</td> <td>2624</td> <td>414</td> </tr> <tr> <td>Towanda</td> <td>2677</td> <td>361</td> </tr> <tr> <td>Ft. Riley</td> <td>2730</td> <td>308</td> </tr> <tr> <td>Wreford</td> <td>2820</td> <td>218</td> </tr> <tr> <td>Council Grove</td> <td>2841</td> <td>197</td> </tr> </table>	Name	Top	Datum	Chase	2566	472	Krider	2587	451	Winfield	2624	414	Towanda	2677	361	Ft. Riley	2730	308	Wreford	2820	218	Council Grove	2841	197
Name	Top	Datum																							
Chase	2566	472																							
Krider	2587	451																							
Winfield	2624	414																							
Towanda	2677	361																							
Ft. Riley	2730	308																							
Wreford	2820	218																							
Council Grove	2841	197																							

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	781	C	255	35/65 Poz C + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	10.5	3131	C	195	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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2956-2947, 2942-2930, 2926-2921, 2918-2909	Acidize - 4500 gls 15% HCL	
	2906-2902, 2898-2895, 2892-2878	Frac - 31,473 gls WF125 75% N2, 195,000# 16/30 Sand	
2	2870-2875, 2868-2862, 2858-2856, 2853-2849		
	2846-2844		

TUBING RECORD	Size 2 3/8	Set At 2974	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 04/01/05		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 150	Water Bbls 7	Gas-Oil Ratio Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

Customer OXY USA, INC.						Job Number 2205547705					
Well DEW 'A' 4			Location (legal) Sec 3-T27S-R35W			Schlumberger Location Perryton, TX			Job Start 2005-Feb-01		
Field		Formation Name/Type			Deviation		Bit Size	Well MD	Well TVD		
					°		7.88 in	3,132 ft	3,132 ft		
County GRANT		State/Province KANSAS			BHP	BHST	BHCT	Pore Press. Gradient			
					psi	111 °F	°F	psi/ft			
Well Master: 0630653238		API / UWI:			Casing/Liner						
Rig Name CHEYENNE 8		Drilled For Gas		Service Via Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
						3126	4.5	11.6			
Offshore Zone		Well Class		Well Type		Tubing/Drill Pipe					
		New		Development		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal		Plastic Viscosity 33 cp							
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole					
Max. Allowed Tubing Pressure 1000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 4½" H & SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	
										ft	
Service Instructions CEMENT PROD 4½" CASING: 20 BBLs CW100 195 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						Treat Down Casing	Displacement 49.2 bbl	Packer Type	Packer Depth		
						Tubing Vol. bbl	Casing Vol. 50 bbl	Annular Vol. 127 bbl	Open Hole Vol. 177 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: 600 psi		Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: Auto-Fill	Squeeze Type		
								Shoe Depth: 3095 ft	Tool Type:		
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		Stage Tool Type:			Tool Depth: ft		
Cement Head Type: Single		Job Scheduled For: 2005-Feb-01 10:00				Arrived on Location: 2005-Feb-01 19:00		Stage Tool Depth: ft		Tail Pipe Size: in	
								Collar Type:		Tail Pipe Depth: ft	
								Collar Depth: ft		Sqz Total Vol: bbl	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message		
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0			
2005-Feb-01	17:14	5	8.36	0.0	0.0	0	0	0			
2005-Feb-01	17:14								Start Job		
2005-Feb-01	17:14								Pressure Test Lines		
2005-Feb-01	17:14	5	8.36	0.0	0.0	0	0	0	Start Pumping Spacer		
2005-Feb-01	17:14	0	8.36	0.0	0.0	0	0	0	RECEIVED MAY 23 2005		
2005-Feb-01	17:15	0	8.36	0.5	0.1	0	0	0			
2005-Feb-01	17:16	0	8.36	0.0	0.3	0	0	0	KCC WICHITA KCC MAY 29 2005		
2005-Feb-01	17:17	0	8.36	0.0	0.3	0	0	0			
2005-Feb-01	17:18	0	8.35	2.9	1.3	0	0	0	CONFIDENTIAL		
2005-Feb-01	17:19	0	8.35	5.1	5.5	0	0	0			
2005-Feb-01	17:20	0	8.35	5.3	10.7	0	0	0	End Spacer		
2005-Feb-01	17:21	0	8.35	5.5	16.1	0	0	0			
2005-Feb-01	17:22	5	8.36	4.6	21.6	0	0	0	Reset Total, Vol = 21.73 bbl		
2005-Feb-01	17:22	5	8.36	0.0	21.7	0	0	0			
2005-Feb-01	17:22								Start Mixing Lead Slurry		
2005-Feb-01	17:22	0	8.36	0.0	0.0	0	0	0			
2005-Feb-01	17:23	0	9.38	4.4	0.4	0	0	0			
2005-Feb-01	17:24	0	9.61	5.3	5.8	0	0	0			

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Well		Field		Service Date		Customer			Job Number
DEW 'A' #4				0532-Feb-01		OXY USA, INC.			2205547705
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2005-Feb-01	17:25	0	11.56	5.4	11.1	0	0	0	
2005-Feb-01	17:26	0	11.58	5.2	16.4	0	0	0	
2005-Feb-01	17:27	5	10.98	5.2	21.5	0	0	0	
2005-Feb-01	17:28	0	10.86	5.2	26.7	0	0	0	
2005-Feb-01	17:29	0	10.94	5.2	31.9	0	0	0	
2005-Feb-01	17:30	0	10.92	5.3	37.2	0	0	0	
2005-Feb-01	17:31	0	11.04	5.3	42.5	0	0	0	
2005-Feb-01	17:32	0	11.12	5.1	47.7	0	0	0	
2005-Feb-01	17:33	0	11.08	5.1	52.8	0	0	0	
2005-Feb-01	17:34	0	11.10	5.1	57.9	0	0	0	
2005-Feb-01	17:35	5	10.92	5.2	63.2	0	0	0	
2005-Feb-01	17:36	5	10.73	4.9	68.4	0	0	0	
2005-Feb-01	17:37	0	11.47	5.4	73.3	0	0	0	
2005-Feb-01	17:38	0	11.82	5.1	78.7	0	0	0	
2005-Feb-01	17:39	0	11.35	5.0	83.7	0	0	0	
2005-Feb-01	17:40	0	10.89	5.0	88.7	0	0	0	
2005-Feb-01	17:41	5	11.04	5.0	93.8	0	0	0	
2005-Feb-01	17:42	5	11.46	4.5	98.4	0	0	0	
2005-Feb-01	17:43	5	11.82	4.6	103.0	0	0	0	
2005-Feb-01	17:44	5	12.30	4.6	107.5	0	0	0	
2005-Feb-01	17:44								End Lead Slurry
2005-Feb-01	17:44	0	12.32	4.6	107.6	0	0	0	
2005-Feb-01	17:44	5	12.35	4.6	107.7	0	0	0	
2005-Feb-01	17:44								Reset Total, Vol = 107.70 bbl
2005-Feb-01	17:44								Start Mixing Tail Slurry
2005-Feb-01	17:44	5	12.38	4.6	0.1	0	0	0	
2005-Feb-01	17:45	5	14.07	5.2	4.9	0	0	0	
2005-Feb-01	17:46	0	13.85	5.3	10.2	0	0	0	
2005-Feb-01	17:47	0	13.70	0.0	12.8	0	0	0	
2005-Feb-01	17:48	0	13.46	0.0	12.8	0	0	0	
2005-Feb-01	17:49	5	14.18	1.0	12.8	0	0	0	
2005-Feb-01	17:50	5	13.84	5.5	18.3	0	0	0	
2005-Feb-01	17:51	5	14.10	5.5	23.7	0	0	0	
2005-Feb-01	17:52	5	13.92	5.5	29.3	0	0	0	
2005-Feb-01	17:53	5	13.76	5.3	34.6	0	0	0	
2005-Feb-01	17:54	5	13.95	5.2	39.9	0	0	0	
2005-Feb-01	17:55	5	13.95	5.1	45.1	0	0	0	
2005-Feb-01	17:56	0	14.25	5.0	50.1	0	0	0	
2005-Feb-01	17:57	5	14.87	5.1	55.2	0	0	0	
2005-Feb-01	17:57	5	14.85	0.0	56.6	0	0	0	
2005-Feb-01	17:57								End Tail Slurry
2005-Feb-01	17:57	5	14.84	0.0	56.6	0	0	0	
2005-Feb-01	17:57								Reset Total, Vol = 56.61 bbl
2005-Feb-01	17:57	5	14.84	0.0	0.0	0	0	0	
2005-Feb-01	17:57								Drop Top Plug
2005-Feb-01	17:57	5	14.84	0.0	0.0	0	0	0	
2005-Feb-01	17:57								Start Displacement
2005-Feb-01	17:58								Reset Total, Vol = 0.00 bbl
2005-Feb-01	17:58	0	14.83	0.0	0.0	0	0	0	
2005-Feb-01	17:58	0	9.98	0.0	0.0	0	0	0	
2005-Feb-01	17:59	5	9.38	0.0	0.0	0	0	0	
2005-Feb-01	18:00	5	9.34	5.7	0.0	0	0	0	
2005-Feb-01	18:01	0	8.43	5.7	0.0	0	0	0	
2005-Feb-01	18:02	0	8.35	0.0	0.0	0	0	0	

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Well		Field		Service Date		Customer			Job Number	
DEW 'A' #4				0532-Feb-01		OXY USA, INC.			2205547705	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2005-Feb-01	18:03	0	8.35	5.2	3.2	0	0	0		
2005-Feb-01	18:04	5	8.35	5.2	8.4	0	0	0	KCC MAY 20 2005 CONFIDENTIAL	
2005-Feb-01	18:05	0	8.35	5.2	13.5	0	0	0		
2005-Feb-01	18:06	0	8.35	5.2	18.7	0	0	0		
2005-Feb-01	18:07	5	8.35	5.2	24.0	0	0	0		
2005-Feb-01	18:08	5	8.35	5.2	29.2	0	0	0		
2005-Feb-01	18:09	0	8.35	5.0	34.4	0	0	0		
2005-Feb-01	18:10	0	8.35	4.3	39.4	0	0	0		
2005-Feb-01	18:11	0	8.35	1.5	41.8	0	0	0		
2005-Feb-01	18:12	0	8.35	1.6	43.3	0	0	0		
2005-Feb-01	18:13	0	8.35	1.6	44.9	0	0	0		
2005-Feb-01	18:14	0	8.35	1.5	46.4	0	0	0		
2005-Feb-01	18:15	0	8.35	1.5	47.9	0	0	0		
2005-Feb-01	18:16	0	8.35	0.0	49.0	0	0	0		
2005-Feb-01	18:17	0	8.35	0.0	49.0	0	0	0		
2005-Feb-01	18:17								Bump Top Plug	
2005-Feb-01	18:17	0	8.35	0.0	49.0	0	0	0		
2005-Feb-01	18:17								End Displacement	
2005-Feb-01	18:17	0	8.35	0.0	49.0	0	0	0		
2005-Feb-01	18:17								End Job	
2005-Feb-01	18:17	5	8.35	0.0	49.0	0	0	0		

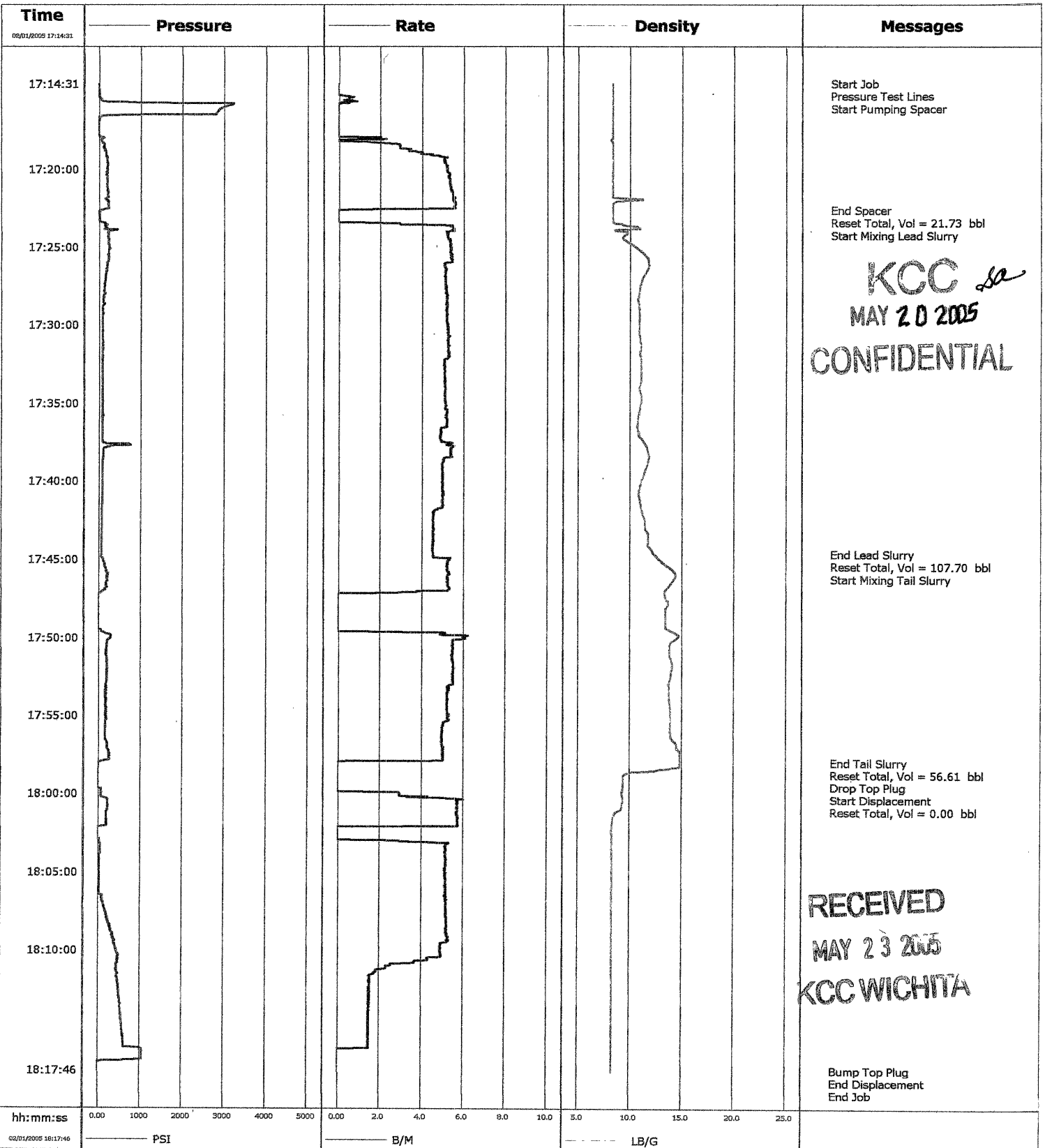
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4.5			5.5	170	0	20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
800		200	800			8.34 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					
%	bbl	49.2 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Fillpot, Greg			Tan, Naveen						

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Well	Dew A-4	Client	Oxy USA Inc
Field		SIR No.	2205547705
Engineer	Naveen Tan	Job Type	Cement 4.5" Production Casing
Country	United States	Job Date	02-01-2005



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ORIGINAL

Date	1/29/2005
Company	Oxy USA Inc.
Job Number	2205547705
Well Name	Dew
Well Number	A-4
County	Grant
State	KS

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Schlumberger

Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	3137	0
Shoe Length	42.21	
Insert Depth	3094.79	
Hole Size	7 7/8	
Hole Depth	3132	

Lead	
195 sacks	Class C
3.3 yield	D79,D46,D29
11 weight	
20.3 water	94.4
cubic ft.	644
height	2825
bbls	115

177	Pipe Volume	50
	Annular Volume	127
	Total Cement	170
	Total Water	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 2071
Cement lift 826

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

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115 Lead 11

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55 Tail 13.8

49.2 Displacement

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

2000 Maximum Pressure

Pump time @ 4 BPM

55 MIN

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Customer OXY USA, INC.	Job Number 2205546193
----------------------------------	---------------------------------

Well Dew A-4 A-4		Location (legal)		Schlumberger Location Perryton, TX		Job Start 2005-Jan-30	
Field		Formation Name/Type		Deviation		Well MD 782 ft	
County Grant		State/Province Kansas		BHP psi		Well TVD 782 ft	
Well Master: 0630653238		API / UWI:		BHST 87 °F		BHCT °F	
Rig Name		Service Via Land		Casing/Liner		Pore Press. Gradient psi/ft	
Drilled For Oil & Gas		Well Class New		Well Type Development		Depth, ft 772	
Offshore Zone		Wellhead Connection		Size, in 8.625		Weight, lb/ft 24	
Drilling Fluid Type Bentonite		Max. Density 9.2 lb/gal		Plastic Viscosity (cp) 33		Grade	
Service Line Cementing		Job Type Cem Surface Casing		Tubing/Drill Pipe		Thread	
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi		Perforations/Open Hole		Total Interval ft	
Service Instructions 255 sks 35:65 Poz C + 6% D20 + 2% S1 + .5pps D29 195 sks Class C + 2% S1 + 0.25pps D29		Wellhead Connection		Top, ft		Bottom, ft	
				spf		No. of Shots	
				Treat Down		Displacement 47.2 bbl	
				Tubing Vol. bbl		Packer Type ft	
				Casing Vol. 58 bbl		Packer Depth ft	
				Annular Vol. 121 bbl		Open Hole Vol 108 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: 200 psi		Pipe Rotated <input type="checkbox"/>		Shoe Type: Auto-Fill		Squeeze Type	
No. Centralizers:		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: ft		Tool Type:	
Top Plugs:		Bottom Plugs: 1		Stage Tool Type:		Tool Depth: ft	
Cement Head Type:				Stage Tool Depth: ft		Tail Pipe Size: in	
Job Scheduled For:		Arrived on Location: 2005-Jan-29 22:00		Leave Location: 2005-Jan-30 2:15		Collar Type:	
						Collar Depth: ft	
						Sqz Total Vol: bbl	

Date	Time	Annulus psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0	0	0	0
2005-Jan-30	0:12									
2005-Jan-30	0:12	0	8.35	0.0	0.0	0	0	0	0	Start Job
2005-Jan-30	0:12									Pressure Test Lines
2005-Jan-30	0:12	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:12	0	8.35	0.0	0.0	0	0	0	0	Start Pumping Spacer
2005-Jan-30	0:13	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:14	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:15	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:16	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:17	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:18	0	8.35	0.0	0.0	0	0	0	0	
2005-Jan-30	0:19	0	8.35	0.0	0.2	0	0	0	0	
2005-Jan-30	0:20	0	8.35	0.0	0.2	0	0	0	0	
2005-Jan-30	0:21	0	8.34	2.6	0.3	0	0	0	0	
2005-Jan-30	0:22	0	8.34	5.9	5.4	0	0	0	0	
2005-Jan-30	0:22									End Spacer
2005-Jan-30	0:22	0	9.17	4.9	8.7	0	0	0	0	
2005-Jan-30	0:22									Reset Total, Vol = 8.92 bbl
2005-Jan-30	0:22	0	9.24	4.9	8.9	0	0	0	0	
2005-Jan-30	0:22									Start Mixing Lead Slurry
2005-Jan-30	0:22	0	9.30	4.9	0.2	0	0	0	0	

Message **KCC**
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Well		Field				Service Date		Customer		Job Number
Dew A-4 #A-4						0530-Jan-30		OXY USA, INC.		2205546193
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2005-Jan-30	0:23	0	9.38	5.4	1.7	0	0	0		
2005-Jan-30	0:24	0	10.76	5.5	7.2	0	0	0		
2005-Jan-30	0:24								End Lead Slurry	
2005-Jan-30	0:24								Start Mixing Lead Slurry	
2005-Jan-30	0:24	0	-6.25	0.0	10.5	0	0	0		
2005-Jan-30	0:25	0	12.17	5.7	11.7	0	0	0		
2005-Jan-30	0:26	0	12.22	5.5	17.3	0	0	0		
2005-Jan-30	0:27	0	12.21	5.5	22.8	0	0	0		
2005-Jan-30	0:28	0	12.23	5.6	28.5	0	0	0		
2005-Jan-30	0:29	0	12.21	5.6	34.1	0	0	0		
2005-Jan-30	0:30	0	12.03	5.7	39.8	0	0	0		
2005-Jan-30	0:31	0	12.08	5.8	45.5	0	0	0		
2005-Jan-30	0:32	0	12.56	5.8	51.2	0	0	0		
2005-Jan-30	0:33	0	12.40	5.7	56.9	0	0	0		
2005-Jan-30	0:34	0	12.27	5.8	62.7	0	0	0		
2005-Jan-30	0:35	0	12.27	5.8	68.5	0	0	0		
2005-Jan-30	0:36	0	12.28	5.9	74.3	0	0	0		
2005-Jan-30	0:37	0	12.21	5.8	80.1	0	0	0		
2005-Jan-30	0:38	0	12.24	5.8	85.9	0	0	0		
2005-Jan-30	0:39	0	12.17	5.8	91.7	0	0	0		
2005-Jan-30	0:39								End Lead Slurry	
2005-Jan-30	0:39	0	12.70	5.9	94.7	0	0	0		
2005-Jan-30	0:39	0	12.82	5.8	94.8	0	0	0		
2005-Jan-30	0:39								Reset Total, Vol = 94.85 bbl	
2005-Jan-30	0:39								Start Mixing Tail Slurry	
2005-Jan-30	0:39	0	12.87	5.9	0.1	0	0	0		
2005-Jan-30	0:40	0	14.08	5.9	2.8	0	0	0		
2005-Jan-30	0:41	0	14.94	5.9	8.7	0	0	0		
2005-Jan-30	0:42	0	14.75	5.9	14.6	0	0	0		
2005-Jan-30	0:43	5	14.84	6.0	20.6	0	0	0		
2005-Jan-30	0:44	0	14.91	5.9	26.5	0	0	0		
2005-Jan-30	0:45	0	14.81	5.9	32.4	0	0	0		
2005-Jan-30	0:46	0	14.96	5.9	38.3	0	0	0		
2005-Jan-30	0:47	0	14.98	6.0	44.3	0	0	0		
2005-Jan-30	0:48								End Tail Slurry	
2005-Jan-30	0:48	0	14.69	2.9	49.2	0	0	0		
2005-Jan-30	0:48	0	14.67	2.9	49.3	0	0	0		
2005-Jan-30	0:48								Reset Total, Vol = 49.26 bbl	
2005-Jan-30	0:48								Drop Top Plug	
2005-Jan-30	0:48	0	14.61	2.9	0.1	0	0	0		
2005-Jan-30	0:48	0	14.56	2.3	0.1	0	0	0		
2005-Jan-30	0:48								Start Displacement	
2005-Jan-30	0:48	0	14.20	0.0	0.2	0	0	0		
2005-Jan-30	0:49	0	13.75	0.0	0.2	0	0	0		
2005-Jan-30	0:50	0	11.43	0.0	0.2	0	0	0		
2005-Jan-30	0:51	5	10.32	0.0	0.2	0	0	0		
2005-Jan-30	0:52	0	9.94	0.0	0.2	0	0	0		
2005-Jan-30	0:53	0	9.68	0.0	0.2	0	0	0		
2005-Jan-30	0:54	0	9.49	0.0	0.2	0	0	0		
2005-Jan-30	0:55	0	9.37	0.0	0.2	0	0	0		
2005-Jan-30	0:56	0	8.97	3.6	2.9	0	0	0		
2005-Jan-30	0:57	0	8.37	3.7	6.6	0	0	0		
2005-Jan-30	0:58	0	8.43	3.7	10.2	0	0	0		
2005-Jan-30	0:59	0	8.36	3.7	13.9	0	0	0		

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Well		Field		Service Date		Customer		Job Number	
Dew A-4 #A-4				0530-Jan-30		OXY USA, INC.		2205546193	
Date	Time	Annulus	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0	
2005-Jan-30	1:00	0	8.36	3.7	17.6	0	0	0	KCC MAY 20 2005 CONFIDENTIAL
2005-Jan-30	1:01	0	8.36	3.7	21.3	0	0	0	
2005-Jan-30	1:02	0	8.36	3.8	25.0	0	0	0	
2005-Jan-30	1:03	0	8.36	3.7	28.8	0	0	0	
2005-Jan-30	1:04	0	8.36	3.7	32.5	0	0	0	
2005-Jan-30	1:05	0	8.36	2.0	35.8	0	0	0	
2005-Jan-30	1:06	0	8.36	1.9	37.8	0	0	0	
2005-Jan-30	1:07	0	8.36	1.5	39.4	0	0	0	
2005-Jan-30	1:08	0	8.36	1.5	40.9	0	0	0	
2005-Jan-30	1:09	0	8.36	1.5	42.4	0	0	0	
2005-Jan-30	1:10	0	8.36	0.0	43.5	0	0	0	
2005-Jan-30	1:10	0	8.36	0.0	43.5	0	0	0	
2005-Jan-30	1:10								
2005-Jan-30	1:10	0	8.36	0.0	43.5	0	0	0	End Displacement
2005-Jan-30	1:10								
2005-Jan-30	1:10	0	8.36	0.0	43.5	0	0	0	
2005-Jan-30	1:10								Reset Total, Vol = 43.50 bbl
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5	0	0	6	146.5	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
500		120	500			8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	40	bbbl	
%	146.5 bbl	47.2 bbl	°F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Fillpot, Gregg			Tan, Naveen						

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Date	1/29/2005
Company	Oxy USA Inc.
Job Number	2205547662
Well Name	Dew A-4
Well Number	A-4
County	Grant
State	Kansas

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Schlumberger

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	785	
Shoe Length	43.25	
Insert Depth	741.75	
Hole Size	12 1/4	
Hole Depth	782	

235

Lead	
190 sacks	35:65 Poz C
2.19 yield	D20,S1,D29
12.2 weight	
12.4 water	56.1
cubic ft.	416
height	1008
bbls	74.1

Pipe Volume	50
Annular Volume	58
Total Cement	121
Total Water	133

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

Tail	
195 sacks	Class C
1.34 yield	S1,D29
14.8 weight	
6.35 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift 322
Cement lift 229

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

Test 2000 psi

Mud

10 Spacer

99.5 ~~88~~ 74 Lead 12.2

47 Tail 14.8

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

47.2 Displacement

2000 Maximum Pressure

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Pump time @ 4 BPM

42 MIN