

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

**CONFIDENTIAL**

**ORIGINAL**

Operator: License # 5447  
 Name: OXY USA Inc.  
 Address: P.O. Box 2528  
 City/State/Zip: Liberal, KS 67905  
 Purchaser: EKGGS  
 Operator Contact Person: Vicki Carder  
 Phone: (620) 629-4200  
 Contractor: Name: Cheyenne Drilling LP  
 License: 33375  
 Wellsite Geologist: NA

API No. 15 - 129-21747-0000  
 County: Morton  
NE - NE - SW - SW Sec 18 Twp. 32 S. R. 39W  
1250 feet from (S) N (circle one) Line of Section  
1250 feet from E (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW (SW)  
 Lease Name: Crayton A Well #: 5  
 Field Name: Panoma Council Grove

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl, Cathodic, etc)

Producing Formation: Council Grove  
 Elevation: Ground: 3286 Kelly Bushing: 3289  
 Total Depth: 3100 Plug Back Total Depth: 2750  
 Amount of Surface Pipe Set and Cemented at 570 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.

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. \_\_\_\_\_  
12/27/04 12/29/04 02/04/05  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

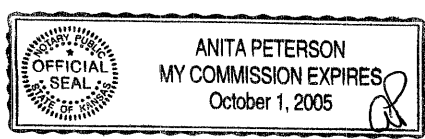
Drilling Fluid Management Plan ALTI WTA  
 (Data must be collected from the Reserve Pit) 4-6-07  
 Chloride content 1600 mg/l ppm Fluid volume 900 bbls  
 Dewatering method used Evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ 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 April 20, 2005  
 Subscribed and sworn to before me this 20th 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



Side Two

Operator Name: OXY USA Inc. Lease Name: Crayton A Well #: 5  
 Sec. 18 Twp. 32 S. R. 39W  East  West County: Morton

**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:      TracerScan      Microlog Neutron              Gamma Ray      Induction	<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>2409</td> <td>880</td> </tr> <tr> <td>Krider</td> <td>2425</td> <td>864</td> </tr> <tr> <td>Odell</td> <td>2451</td> <td>838</td> </tr> <tr> <td>Winfield</td> <td>2468</td> <td>821</td> </tr> <tr> <td>Gage</td> <td>2514</td> <td>775</td> </tr> <tr> <td>Towanda</td> <td>2541</td> <td>748</td> </tr> <tr> <td>Base Towanda</td> <td>2573</td> <td>716</td> </tr> </table> (See Side Three)	Name	Top	Datum	Chase	2409	880	Krider	2425	864	Odell	2451	838	Winfield	2468	821	Gage	2514	775	Towanda	2541	748	Base Towanda	2573	716
Name	Top	Datum																							
Chase	2409	880																							
Krider	2425	864																							
Odell	2451	838																							
Winfield	2468	821																							
Gage	2514	775																							
Towanda	2541	748																							
Base Towanda	2573	716																							

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	570	C	145	35/65 + Additives
					C	150	Class C + Additives
Production	7 7/8	4 1/2	11.6	3100	C	215	Class C + Additives
					H	190	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	2830-2837, 2805-2816, 2773-2800	Acidize - 4000 gls SBM FE	
		frac - 13,514 gls WF125 70QN2, 44,195#	
		16/30 Sand	
4	2701-2703	Acidize - 300 gls 7.5% FE	
4	2697-2732	Acidize - 3000 gls SBM FE (See Side Three)	

TUBING RECORD	Size 2 3/8	Set At 2931	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 03/19/05		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 58	Water Bbls 30	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 <i>(If vented, Submit ACO-18)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	_____
	<input type="checkbox"/> Other (Specify) _____	_____

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Side Three

Operator Name: OXY USA Inc. Lease Name: Crayton A Well #: 5

Sec. 18 Twp. 32 S. R. 39W  East  West County: Morton

Name	Top	Datum
Ft. Riley	2600	689
Florence	2646	643
Matfield	2661	628
Wreford	2680	609
Council Grove	2696	593

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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
		Frac - 12861 gls WF125 75%N2, 40782# 16/30 Sand	
4	2849-2852, 2865-2870, 2906-2908		

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**WICHITA, KS**

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Schlumberger

Cementing Service Report

ORIGINAL

Customer OXY USA, INC.						Job Number 2205547115					
Well CRAYTON 'A' 5			Location (Legal) KCC APR 20 2005			Schlumberger Location Perryton, TX			Job Start 2004-Dec-27		
Field		Formation Name/Type CONFIDENTIAL		Deviation		Bit Size 12.3 in		Well MD 575 ft		Well TVD 575 ft	
County MORTON		State/Province KANSAS		BHST psi		BHCT 86 °F		Pore Press. Gradient °F		psi/ft	
Well Master: 0630654487		API / UWI:		Casing/Liner							
Rig Name CHEYENNE 8		Drilled For Oil & Gas		Service Via Land		Depth, ft 561.67	Size, in 8.63	Weight, lb/ft 24	Grade	Thread	
Offshore Zone		Well Class New		Well Type Development		10	8.625	24			
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 500 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 145 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 150 SK CLASS C + 2% S001 + 0.25 pps D029						Treat Down Casing	Displacement 33.6 bbl	Packer Type	Packer Depth ft		
						Tubing Vol. bbl	Casing Vol. 36.4 bbl	Annular Vol. 42.3 bbl	Open Hole Vol bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job				
Lift Pressure: 170 psi						Shoe Type:			Squeeze Type		
Pipe Rotated <input type="checkbox"/>						Pipe Reciprocated <input type="checkbox"/>					
No. Centralizers: Top Plugs: 1						Bottom Plugs:			Shoe Depth: 561.67 ft		
Cement Head Type: Single						Stage Tool Type:			Tool Depth: ft		
Job Scheduled For: 12/27/2004						Arrived on Location: 2004-Dec-27 17:00			Leave Location: 2004-Dec-27		
						Collar Type: Auto-Fill			Tail Pipe Depth: ft		
						Collar Depth: 527.67 ft			Sqz Total Vol: bbl		
Date	Time	Pressure psi	Density lb/gal	Flowmeter bbl/min	Flowmeter Volume bbl	0	0	0	Message		
2004-Dec-27	18:27	0	8.35	0.0	0.0	0	0	0			
2004-Dec-27	18:27								Pressure Test Lines		
2004-Dec-27	18:27	5	8.35	0.0	0.0	0	0	0			
2004-Dec-27	18:27	23	8.35	0.0	0.0	0	0	0			
2004-Dec-27	18:28	142	8.35	0.9	0.4	0	0	0	RECEIVED KANSAS CORPORATION COMMISSION		
2004-Dec-27	18:28	1036	8.35	0.0	0.5	0	0	0	APR 21 2005		
2004-Dec-27	18:29	984	8.35	0.0	0.5	0	0	0			
2004-Dec-27	18:29	9	8.35	0.0	0.6	0	0	0	CONSERVATION DIVISION WICHITA, KS		
2004-Dec-27	18:29	11	8.35	0.0	0.0	0	0	0	Start Pumping Spacer		
2004-Dec-27	18:30	23	8.35	1.4	0.1	0	0	0			
2004-Dec-27	18:30	52	8.35	3.9	1.5	0	0	0			
2004-Dec-27	18:31	41	8.35	3.5	3.3	0	0	0			
2004-Dec-27	18:31	69	8.35	5.1	5.3	0	0	0			
2004-Dec-27	18:32	83	8.35	5.1	7.8	0	0	0			
2004-Dec-27	18:32	89	9.15	5.2	10.4	0	0	0			
2004-Dec-27	18:33	107	10.17	5.1	13.0	0	0	0			
2004-Dec-27	18:33	110	10.70	5.2	15.6	0	0	0			
2004-Dec-27	18:34								Reset Total, Vol = 15.01 bbl		
2004-Dec-27	18:34	111	10.82	5.2	16.3	0	0	0			
2004-Dec-27	18:34	110	10.86	5.3	0.1	0	0	0			
2004-Dec-27	18:34								Start Mixing Lead Slurry		

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Well		Field				Service Date		Customer		Job Number
CRAYTON A #5						04362-Dec-27		OXY USA, INC.		2205547115
Date	Time	Pressure	Density	Flowmeter	Flowmeter Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2004-Dec-27	18:34	113	11.11	5.4	1.9	0	0	0		
2004-Dec-27	18:34	119	11.86	5.3	4.5	0	0	0		
2004-Dec-27	18:35	121	12.28	5.4	7.2	0	0	0		
2004-Dec-27	18:35	115	12.40	5.4	9.8	0	0	0		
2004-Dec-27	18:36	111	12.37	5.4	12.5	0	0	0		
2004-Dec-27	18:36	108	12.27	5.3	15.2	0	0	0		
2004-Dec-27	18:37	91	11.94	4.8	17.8	0	0	0		
2004-Dec-27	18:37	86	12.24	4.9	20.2	0	0	0		
2004-Dec-27	18:38	92	12.36	5.1	22.7	0	0	0		
2004-Dec-27	18:38	92	12.34	4.9	25.1	0	0	0		
2004-Dec-27	18:39	96	12.27	5.0	27.6	0	0	0		
2004-Dec-27	18:39	96	12.20	5.0	30.1	0	0	0		
2004-Dec-27	18:40	96	12.17	4.9	32.6	0	0	0		
2004-Dec-27	18:40	96	12.17	4.9	35.1	0	0	0		
2004-Dec-27	18:41	96	12.26	5.1	37.6	0	0	0		
2004-Dec-27	18:41	92	12.28	5.0	40.1	0	0	0		
2004-Dec-27	18:42	96	12.27	5.1	42.7	0	0	0		
2004-Dec-27	18:42	96	12.26	5.0	45.2	0	0	0		
2004-Dec-27	18:43	96	12.13	5.0	47.7	0	0	0		
2004-Dec-27	18:43	96	12.27	5.1	50.2	0	0	0		
2004-Dec-27	18:44	105	13.35	4.9	52.1	0	0	0		
2004-Dec-27	18:44								Reset Total, Vol = 51.28 bbl	
2004-Dec-27	18:44								Start Mixing Tail Slurry	
2004-Dec-27	18:44	106	13.47	4.9	0.2	0	0	0		
2004-Dec-27	18:44	106	13.59	4.8	0.5	0	0	0		
2004-Dec-27	18:44	125	14.56	4.9	3.0	0	0	0		
2004-Dec-27	18:45	136	14.93	4.9	5.4	0	0	0		
2004-Dec-27	18:45	133	14.85	4.9	7.9	0	0	0		
2004-Dec-27	18:46	132	14.87	5.0	10.4	0	0	0		
2004-Dec-27	18:46	133	14.88	5.1	12.9	0	0	0		
2004-Dec-27	18:47	138	15.01	4.9	15.4	0	0	0		
2004-Dec-27	18:47	137	14.80	5.0	17.9	0	0	0		
2004-Dec-27	18:48	132	14.56	5.0	20.4	0	0	0		
2004-Dec-27	18:48	128	14.51	5.0	22.9	0	0	0		
2004-Dec-27	18:49	133	14.78	5.0	25.4	0	0	0		
2004-Dec-27	18:49	139	14.97	5.0	27.8	0	0	0		
2004-Dec-27	18:50	141	14.97	5.0	30.4	0	0	0		
2004-Dec-27	18:50	137	14.82	5.1	32.9	0	0	0		
2004-Dec-27	18:51	135	14.82	5.0	35.4	0	0	0		
2004-Dec-27	18:51	0	14.30	0.1	36.8	0	0	0		
2004-Dec-27	18:51								Reset Total, Vol = 36.10 bbl	
2004-Dec-27	18:51	0	14.26	0.0	0.0	0	0	0		
2004-Dec-27	18:51	0	14.25	0.0	0.0	0	0	0		
2004-Dec-27	18:51								Drop Top Plug	
2004-Dec-27	18:51	0	14.25	0.0	0.0	0	0	0		
2004-Dec-27	18:51								Start Displacement	
2004-Dec-27	18:52	-5	14.23	0.0	0.0	0	0	0		
2004-Dec-27	18:52	-4	13.45	0.1	0.0	0	0	0		
2004-Dec-27	18:53	0	12.92	0.0	0.0	0	0	0		
2004-Dec-27	18:53	-5	11.44	0.1	0.1	0	0	0		
2004-Dec-27	18:54	-5	10.50	0.1	0.2	0	0	0		
2004-Dec-27	18:54	0	10.12	0.1	0.2	0	0	0		
2004-Dec-27	18:55	-4	10.10	0.0	0.3	0	0	0		
2004-Dec-27	18:55	-5	9.92	0.0	0.3	0	0	0		

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 APR 21 2005  
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 WICHITA, KS

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Well		Field		Service Date		Customer		Job Number	
CRAYTON 'A' #5				04362-Dec-27		OXY USA, INC.		2206547115	
Date	Time	Pressure	Density	Flowmeter	Flowmeter Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2004-Dec-27	18:56	-4	9.79	0.0	0.3	0	0	0	<b>KCC</b> <b>APR 20 2005</b> <b>CONFIDENTIAL</b>
2004-Dec-27	18:56	-4	9.66	0.0	0.3	0	0	0	
2004-Dec-27	18:57	55	9.31	2.5	0.4	0	0	0	
2004-Dec-27	18:57	55	8.96	4.7	2.4	0	0	0	
2004-Dec-27	18:58	59	8.94	5.0	4.9	0	0	0	
2004-Dec-27	18:58	55	8.39	5.0	7.3	0	0	0	
2004-Dec-27	18:59	64	8.38	4.9	9.8	0	0	0	
2004-Dec-27	18:59	82	8.47	4.8	12.2	0	0	0	
2004-Dec-27	19:00	102	8.48	4.8	14.6	0	0	0	
2004-Dec-27	19:00	117	8.38	4.9	17.0	0	0	0	
2004-Dec-27	19:01	127	8.37	4.8	19.4	0	0	0	
2004-Dec-27	19:01	142	8.38	4.9	22.0	0	0	0	
2004-Dec-27	19:02	119	8.38	3.1	24.3	0	0	0	
2004-Dec-27	19:02	111	8.38	2.1	25.3	0	0	0	
2004-Dec-27	19:03	120	8.38	2.1	26.3	0	0	0	
2004-Dec-27	19:03	126	8.37	2.1	27.4	0	0	0	
2004-Dec-27	19:04	132	8.37	2.0	28.4	0	0	0	
2004-Dec-27	19:04	138	8.37	2.1	29.5	0	0	0	
2004-Dec-27	19:05	140	8.37	2.1	30.6	0	0	0	
2004-Dec-27	19:05	149	8.37	2.1	31.6	0	0	0	
2004-Dec-27	19:06	156	8.37	1.9	32.6	0	0	0	
2004-Dec-27	19:06	157	8.37	1.9	33.5	0	0	0	
2004-Dec-27	19:07	320	8.37	1.4	34.5	0	0	0	
2004-Dec-27	19:07	498	8.37	0.0	34.5	0	0	0	
2004-Dec-27	19:08	494	8.37	0.0	34.5	0	0	0	
2004-Dec-27	19:08								Reset Total, Vol = 33.1 bbl
2004-Dec-27	19:08								Bump Top Plug
2004-Dec-27	19:08	490	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:08								Check Float
2004-Dec-27	19:08	489	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:08	479	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:08	314	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:09	43	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:09	122	8.37	0.0	0.0	0	0	0	
2004-Dec-27	19:10	138	8.37	0.5	0.1	0	0	0	
2004-Dec-27	19:10	137	8.37	0.5	0.4	0	0	0	
2004-Dec-27	19:11	142	8.37	0.5	0.6	0	0	0	
2004-Dec-27	19:11	149	8.37	0.8	0.9	0	0	0	
2004-Dec-27	19:12	155	8.38	1.1	1.4	0	0	0	
2004-Dec-27	19:12	153	8.38	1.1	2.0	0	0	0	
2004-Dec-27	19:13	142	8.38	0.0	2.0	0	0	0	
2004-Dec-27	19:13	361	8.38	0.0	2.1	0	0	0	
2004-Dec-27	19:14	64	8.38	0.0	2.1	0	0	0	
2004-Dec-27	19:14	119	8.38	0.0	2.1	0	0	0	
2004-Dec-27	19:15	146	8.38	0.9	2.5	0	0	0	
2004-Dec-27	19:15								Float Not Holding
2004-Dec-27	19:15	150	8.38	0.9	2.8	0	0	0	
2004-Dec-27	19:15	150	8.38	0.9	3.0	0	0	0	
2004-Dec-27	19:16	157	8.38	1.1	3.6	0	0	0	
2004-Dec-27	19:16	330	8.38	0.4	4.1	0	0	0	
2004-Dec-27	19:17	390	8.38	0.0	4.1	0	0	0	
2004-Dec-27	19:17	0	8.38	0.0	4.1	0	0	0	
2004-Dec-27	19:18	5	8.38	0.0	4.1	0	0	0	
2004-Dec-27	19:18								Reset Total, Vol = 4.07 bbl

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Well CRAYTON 'A' #5		Field		Service Date 04362-Dec-27		Customer OXY USA, INC.		Job Number 2205547115	
Date	Time	Pressure	Density	Flowmeter	Flowmeter Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbt/min	bbt	0	0	0	
2004-Dec-27	19:18	9	8.38	0.0	4.1	0	0	0	
2004-Dec-27	19:18								Close 2" Valve
2004-Dec-27	19:18								Pressure up Casing
2004-Dec-27	19:18	0	8.38	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			5	92		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
170		80	500		bbt	8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 30 bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	92 bbl	33.1 bbl	°F	Customer or Authorized Representative Wylie, Cal		Schlumberger Supervisor Ousley, John		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed	

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Customer: Oxy USA Job #: 220554715  
 Well name: Crayton A Job Type: Surface  
 Well #: 5 Bit Size: 12 1/4  
 County: Morton Well Depth: 575  
 State: Kansas Stage: 1

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**System 1**

145 sks	35/65 POZ C + 6%D20 + 2%S1 + 0.5 pps D29
2.18 :yield	56 bbl cmt
12.3 :H2O	42 bbl H2O
12.2 wt.	316 cu. ft.
486 ann Psi	766 ann. ft

**System 2**

150 sks	Class C + 2%S1 + 0.25 pps D29
1.34 :yield	36 bbl cmt
6.3 :H2O	23 bbl H2O
14.8 wt.	201 cu. ft.
375 ann. Psi	487 ann. ft

**Mud / Nitrogen**

0 bbl of	10 lb/gal	mud
0 scf/bbl	0	cooldown nitrogen
0 scf downhole	0	height ann.
0 scf total used	0	psi ann.hyd.

**Mud Removal/Spacer**

10 bbl of	FreshWater	8.33 lb/gal
136 ft ann. Height	59	psi ann. hyd.

**Pipe Data**

8.625 O.D.	DV Tool	feet	
8.097 I.D.			
Csg Wt.	Feet	cap.	volume
24	561.67	0.0637	35.78 bbl
24	10	0.0637	0.64 bbl
24	0	0.0637	0.00 bbl

TD	575 feet	-3.33 ft off bottom
TP	571.67 feet	36.42 bbl
SJ	43.03 feet	2.74 bbl
Float @	528.64 feet	33.67 bbl

**Annular Data**

12.250 OH	cap.	0.1458 bbl/ft
0.0735 bbl/ft		0.4127 cuft/ft
13.6035 ft/bbl		2.4229 ft/cuft

Csg Wt. Air 13720.08 lb.  
 CrossSect. Area 6.9345 sq. in.  
 Bouyancy 2971 lb.  
 Csg Wt. Fluid 10749 lb.  
 Csg Inside Area 51.4919 sq. in.  
 Csg Lift Pressure 209 psi  
 Ann Hydrostatic 429 psi  
 Differential 200 psi

D909 Class H Plug down @  
 D132 Poz Lift Pressure  
 D020 Bentonite Bumped to  
 D112 Fluid Loss  
 D065 TIC Dispersant Thickening Time  
 #N/A  
 #N/A  
 #N/A  
 #N/A  
 #N/A

**Totals**

Nitrified Mud	0 bbl with	0 scf/bbl
FreshWater	10 bbl @	8.33 lb/gal
System 1	56 bbl @	12.2 lb/gal
System 2	36 bbl @	14.8 lb/gal
Displacement	33.7 bbl with	0 % flush
OpenHole Volume	84 bbl	
Annular Volume	42 bbl	
Total Cement	89 bbl	
Total Water	132 bbl needed	
Differential	200 psi	
Casing Lift	209 psi	
Top of Scav/Lead	0 ft	
Top of Tail	122 ft	
Total Excess	113 % up to	Surface

**Rig Water**

Chlorides	0	PH	6
Sulfates	0	Tannin/Lignin	n/a
Iron	0	usable?	yes

**Displacement Chemicals**

0 % Treated Displacement			
D047	0 gal/1000		0 gal total
L064	0 gal/1000		0 gal total
F103	0 gal/1000		0 gal total
L401	0 gal		0 gal total

**Chemical Wash**

none	0 gal needed
none	0 gal needed

**Time**

Stage	Vol	Rate	Minutes
N2/Mud	0	5.7	0
Spacer	10	5.7	2
Scavenger	56	5.7	10
Tail	36	5.7	6
Drop Plug	0	0	10
Displace	23.7	5.7	4
Slowdown	10	2.5	4
<b>Total Pump Time</b>			<b>46</b>

hrs  
psi  
psi  
hrs

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# Schlumberger Cementing Service Report

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Customer: OXY USA, INC.							Job Number: 2205547119		
Well: CRAYTON 'A' 5			Location (legal):			Schlumberger Location: Perryton, TX			Job Start: 2004-Dec-30
Field:		Formation Name/Type:			Deviation:	Bit Size: 7.88 in	Well MD: 3,100 ft	Well TVD: 3,100 ft	
County: MORTON		State/Province: KANSAS			BHP: psi	BHST: 111 °F	BHCT: °F	Pore Press. Gradient: psi/ft	
Well Master: 0630654487		API / UWI:			Casing/Liner				
Rig Name:	Drilled For: Oil & Gas		Service Via:		Depth, ft: 3100	Size, in: 4.5	Weight, lb/ft: 11.6	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 Prod Casing				Perforations/Open Hole				
Max. Allowed Tubing Pressure: psi	Max. Allowed Ann. Pressure: psi	Wellhead Connection: 4 1/2" H & SM			Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval: ft
Service Instructions: CEMENT PROD 4 1/2" CASING: 20 BBLs CW100 215 SKS CLASS C + 3% D079 + 0.2% D046 + 0.25 PPS D029 190 SKS 50/50 POZ/CLASS H + 2%D20 + 3%M117 + 5 PPSD42 + 5 PPS D53 + 0.25 %D112 + 0.25 %D65 + 0.25%D46 Displace w/ L064 & B69					Treat Down Casing:	Displacement: 47.4 bbl	Packer Type:	Packer Depth: 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: 450 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input checked="" type="checkbox"/>				Shoe Type: Guide	Squeeze Type:		
No. Centralizers: 19	Top Plugs: 1	Bottom Plugs: 1	Stage Tool Type:	Tool Depth: ft					
Cement Head Type: Single	Stage Tool Depth: ft	Tail Pipe Size: in							
Job Scheduled For: 2004-Dec-30 8:00	Arrived on Location: 2004-Dec-30 12:00	Leave Location: 2004-Dec-30 12:00	Collar Type: Auto-Fill	Tail Pipe Depth: ft					
Collar Depth: 3055 ft	Sqz Total Vol: bbl								
Date	Time	Treating PSI	CMT RATE	CMT DENS	CMT AN PRES	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	psi	0	0	0	
2004-Dec-30	9:43	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:43								Start Job
2004-Dec-30	9:43	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:43								Pressure Test Lines
2004-Dec-30	9:43	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:43								Start Pumping Wash
2004-Dec-30	9:43	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:44	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:44	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:45	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:45	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:46	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:46	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:47	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:47	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:48	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:48	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:49	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:49	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:50	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:50	-4.58	0.0	8.54	0.00	0	0	0	
2004-Dec-30	9:51	-4.58	0.0	8.54	0.00	0	0	0	

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Well		Field				Service Date		Customer		Job Number	
CRAYTON 'A' #5						04365-Dec-30		OXY USA, INC.		220547119	
Date	Time	Treating PSI	CMT RATE	CMT DENS	CMT AN PRES	0	0	0	Message		
	24 hr clock	psi	bbl/min	lb/gal	psi	0	0	0			
2004-Dec-30	9:51	-4.58	0.0	8.54	0.00	0	0	0			
2004-Dec-30	9:52	-4.58	0.0	8.54	0.00	0	0	0			
2004-Dec-30	9:52	-3630.05	0.0	-6.25	0.00	0	0	0			
2004-Dec-30	9:53	-4.58	0.0	8.54	0.00	0	0	0			
2004-Dec-30	9:53	-4.58	0.0	8.54	0.00	0	0	0			
2004-Dec-30	9:54	-4.58	0.0	8.54	0.00	0	0	0			
2004-Dec-30	9:54	-4.58	0.0	8.53	0.00	0	0	0			
2004-Dec-30	9:55	-4.58	0.0	8.53	0.00	0	0	0			
2004-Dec-30	9:55	-4.58	0.0	8.53	0.00	0	0	0			
2004-Dec-30	9:56	18.31	1.0	8.55	0.00	0	0	0			
2004-Dec-30	9:56	2142.33	0.0	8.56	0.00	0	0	0			
2004-Dec-30	9:57	1995.84	0.0	8.56	0.00	0	0	0			
2004-Dec-30	9:57	-4.58	0.0	8.56	0.00	0	0	0			
2004-Dec-30	9:58	-4.58	0.0	8.56	0.00	0	0	0			
2004-Dec-30	9:58	27.47	2.0	8.56	0.00	0	0	0			
2004-Dec-30	9:59	151.06	5.1	8.56	0.00	0	0	0			
2004-Dec-30	9:59	169.37	5.1	8.56	0.00	0	0	0			
2004-Dec-30	10:00	146.48	5.1	8.56	0.00	0	0	0			
2004-Dec-30	10:00	141.91	5.0	8.56	0.00	0	0	0			
2004-Dec-30	10:01	160.22	5.1	8.56	0.00	0	0	0			
2004-Dec-30	10:01	219.73	5.1	8.55	0.00	0	0	0			
2004-Dec-30	10:02	210.57	5.1	8.55	0.00	0	0	0			
2004-Dec-30	10:02								Start Pumping Spacer		
2004-Dec-30	10:02	192.26	5.1	8.54	0.00	0	0	0			
2004-Dec-30	10:02								End Wash		
2004-Dec-30	10:02	238.04	5.1	8.54	0.00	0	0	0			
2004-Dec-30	10:02								Reset Total, Vol = 20.71 bbl		
2004-Dec-30	10:02	137.33	5.0	8.54	0.00	0	0	0			
2004-Dec-30	10:03	164.79	4.9	7.01	0.00	0	0	0			
2004-Dec-30	10:03	201.42	5.0	8.28	0.00	0	0	0			
2004-Dec-30	10:04	270.08	5.0	8.29	0.00	0	0	0			
2004-Dec-30	10:04	169.37	5.0	8.01	0.00	0	0	0			
2004-Dec-30	10:04								End Spacer		
2004-Dec-30	10:04	306.70	5.1	7.96	0.00	0	0	0			
2004-Dec-30	10:04								Start Mixing Lead Slurry		
2004-Dec-30	10:04	242.61	5.1	8.04	0.00	0	0	0			
2004-Dec-30	10:05	233.46	5.0	8.51	0.00	0	0	0			
2004-Dec-30	10:05								Reset Total, Vol = 11.61 bbl		
2004-Dec-30	10:05	215.15	5.1	10.44	0.00	0	0	0			
2004-Dec-30	10:05	247.19	5.0	10.24	0.00	0	0	0			
2004-Dec-30	10:06	265.50	5.0	11.46	0.00	0	0	0			
2004-Dec-30	10:06	210.57	5.0	11.18	0.00	0	0	0			
2004-Dec-30	10:07	173.95	5.0	10.82	0.00	0	0	0			
2004-Dec-30	10:07	201.42	5.0	11.70	0.00	0	0	0			
2004-Dec-30	10:08	183.10	5.0	11.34	0.00	0	0	0			
2004-Dec-30	10:08	132.75	5.0	11.08	0.00	0	0	0			
2004-Dec-30	10:09	128.17	5.0	10.41	0.00	0	0	0			
2004-Dec-30	10:09	96.13	5.1	10.84	0.00	0	0	0			
2004-Dec-30	10:10	105.29	5.1	11.40	0.00	0	0	0			
2004-Dec-30	10:10	109.86	5.2	11.06	0.00	0	0	0			
2004-Dec-30	10:11	86.97	5.2	10.78	0.00	0	0	0			
2004-Dec-30	10:11	109.86	5.2	11.41	0.00	0	0	0			
2004-Dec-30	10:12	96.13	5.2	11.30	0.00	0	0	0			
2004-Dec-30	10:12	96.13	5.2	11.18	0.00	0	0	0			

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Well CRAYTON 'A' #5		Field		Service Date 04365-Dec-30		Customer OXY USA, INC.		Job Number 2205547119	
Date	Time 24 hr clock	Treating PSI psi	CMT RATE bbl/min	CMT DENS lb/gal	CMT AN PRES psi	0	0	0	Message <b>KCC</b> APR 20 2005 <b>CONFIDENTIAL</b>
2004-Dec-30	11:00	622.56	2.5	8.53	0.00	0	0	0	
2004-Dec-30	11:01	650.02	2.4	8.53	0.00	0	0	0	
2004-Dec-30	11:01	668.33	2.3	8.53	0.00	0	0	0	
2004-Dec-30	11:02	700.38	2.3	8.53	0.00	0	0	0	
2004-Dec-30	11:02								End Displacement
2004-Dec-30	11:02	1290.89	0.0	8.16	0.00	0	0	0	
2004-Dec-30	11:02	1286.31	0.0	8.16	0.00	0	0	0	
2004-Dec-30	11:02								Bump Top Plug
2004-Dec-30	11:03	1290.89	0.0	8.16	0.00	0	0	0	
2004-Dec-30	11:03	897.21	0.0	8.18	0.00	0	0	0	
2004-Dec-30	11:03								End Job
2004-Dec-30	11:03	-27.47	0.0	8.18	0.00	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	0	0	5	178.9	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1100		200	1100						
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	40	bbl	
%	178.9 bbl	47.4 bbl	°F		<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative WILLIMON, WES			Schlumberger Supervisor Gonzales, Paul			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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Well		Field				Service Date		Customer		Job Number
CRAYTON 'A' #5						04365-Dec-30		OXY USA, INC.		2205547119
Date	Time	Treating PSI	CMT RATE	CMT DENS	CMT AN PRES	0	0	0	Message	
	24 hr clock	psi	bbl/min	lb/gal	psi	0	0	0	KCC	
2004-Dec-30	10:13	109.86	5.2	11.16	0.00	0	0	0	APR 20 2005	
2004-Dec-30	10:13	73.24	5.2	10.86	0.00	0	0	0	CONFIDENTIAL	
2004-Dec-30	10:14	73.24	5.2	10.60	0.00	0	0	0		
2004-Dec-30	10:14	82.40	4.4	11.73	0.00	0	0	0		
2004-Dec-30	10:15	50.35	3.9	11.32	0.00	0	0	0		
2004-Dec-30	10:15	54.93	4.0	10.66	0.00	0	0	0		
2004-Dec-30	10:16	54.93	3.9	11.06	0.00	0	0	0		
2004-Dec-30	10:16	54.93	3.9	11.10	0.00	0	0	0		
2004-Dec-30	10:17	54.93	3.9	11.19	0.00	0	0	0		
2004-Dec-30	10:17	41.20	3.9	11.32	0.00	0	0	0		
2004-Dec-30	10:18	82.40	4.7	11.30	0.00	0	0	0		
2004-Dec-30	10:18	96.13	4.8	11.16	0.00	0	0	0		
2004-Dec-30	10:19	59.51	4.8	11.22	0.00	0	0	0		
2004-Dec-30	10:19	77.82	4.8	11.11	0.00	0	0	0		
2004-Dec-30	10:20	82.40	4.8	11.01	0.00	0	0	0		
2004-Dec-30	10:20	86.97	4.8	11.76	0.00	0	0	0		
2004-Dec-30	10:21	100.71	5.1	11.89	0.00	0	0	0	lost circulation @ 50 bbls of slurryaway	
2004-Dec-30	10:21	77.82	5.0	11.84	0.00	0	0	0	saw returns about 70 bbls of slurry away	
2004-Dec-30	10:22	82.40	5.0	11.39	0.00	0	0	0		
2004-Dec-30	10:22	68.66	5.0	11.05	0.00	0	0	0		
2004-Dec-30	10:23	96.13	5.0	11.34	0.00	0	0	0		
2004-Dec-30	10:23	77.82	5.1	11.38	0.00	0	0	0		
2004-Dec-30	10:24	64.09	5.0	11.40	0.00	0	0	0		
2004-Dec-30	10:24	68.66	5.0	11.19	0.00	0	0	0		
2004-Dec-30	10:25	73.24	5.0	10.95	0.00	0	0	0	RECEIVED	
2004-Dec-30	10:25	77.82	5.0	10.59	0.00	0	0	0	KANSAS CORPORATION COMMISSION	
2004-Dec-30	10:26	77.82	5.0	11.28	0.00	0	0	0	APR 21 2005	
2004-Dec-30	10:26	105.29	5.0	11.39	0.00	0	0	0		
2004-Dec-30	10:27	100.71	5.0	11.28	0.00	0	0	0	CONSERVATION DIVISION	
2004-Dec-30	10:27	82.40	5.1	11.11	0.00	0	0	0	WICHITA, KS	
2004-Dec-30	10:28	64.09	5.1	11.17	0.00	0	0	0		
2004-Dec-30	10:28	86.97	5.1	11.22	0.00	0	0	0		
2004-Dec-30	10:29	77.82	5.1	11.15	0.00	0	0	0		
2004-Dec-30	10:29	86.97	5.1	11.11	0.00	0	0	0		
2004-Dec-30	10:30	91.55	5.1	11.25	0.00	0	0	0		
2004-Dec-30	10:30								Start Mixing Tail Slurry	
2004-Dec-30	10:30	54.93	5.1	11.30	0.00	0	0	0		
2004-Dec-30	10:30								End Lead Slurry	
2004-Dec-30	10:30								Reset Total, Vol = 123.07 bbl	
2004-Dec-30	10:30	82.40	5.1	11.39	0.00	0	0	0		
2004-Dec-30	10:30	73.24	5.1	12.06	0.00	0	0	0		
2004-Dec-30	10:30	137.33	5.1	12.98	0.00	0	0	0		
2004-Dec-30	10:31	187.68	5.1	13.78	0.00	0	0	0		
2004-Dec-30	10:31	192.26	5.1	14.14	0.00	0	0	0		
2004-Dec-30	10:32	132.75	5.1	14.07	0.00	0	0	0		
2004-Dec-30	10:32	86.97	5.1	11.93	0.00	0	0	0		
2004-Dec-30	10:33	73.24	5.1	11.83	0.00	0	0	0		
2004-Dec-30	10:33	201.42	5.1	13.66	0.00	0	0	0		
2004-Dec-30	10:34	119.02	5.1	14.18	0.00	0	0	0		
2004-Dec-30	10:34	68.66	5.1	13.78	0.00	0	0	0		
2004-Dec-30	10:35	183.10	5.2	14.55	0.00	0	0	0		
2004-Dec-30	10:35	169.37	5.2	14.12	0.00	0	0	0		

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Well		Field			Service Date		Customer		Job Number
CRAYTON 'A' #5					04365-Dec-30		OXY USA, INC.		2205547119
Date	Time	Treating PSI	CMT RATE	CMT DENS	CMT AN PRES	0	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	psi	0	0	0	
2004-Dec-30	10:36	137.33	5.2	13.49	0.00	0	0	0	<b>KCC</b> <b>APR 20 2005</b> <b>CONFIDENTIAL</b>
2004-Dec-30	10:36	169.37	5.2	13.89	0.00	0	0	0	
2004-Dec-30	10:37	155.64	5.2	13.85	0.00	0	0	0	
2004-Dec-30	10:37	137.33	5.3	13.81	0.00	0	0	0	
2004-Dec-30	10:38	86.97	5.0	13.68	0.00	0	0	0	
2004-Dec-30	10:38	169.37	5.0	14.31	0.00	0	0	0	
2004-Dec-30	10:39	146.48	5.0	13.69	0.00	0	0	0	
2004-Dec-30	10:39	119.02	5.0	14.49	0.00	0	0	0	
2004-Dec-30	10:40	201.42	4.9	15.30	0.00	0	0	0	
2004-Dec-30	10:40	155.64	5.0	13.86	0.00	0	0	0	
2004-Dec-30	10:41	160.22	5.0	14.92	0.00	0	0	0	
2004-Dec-30	10:41	109.86	5.0	14.38	0.00	0	0	0	
2004-Dec-30	10:42	-27.47	1.3	5.01	0.00	0	0	0	
2004-Dec-30	10:42	-13.73	0.0	0.11	0.00	0	0	0	
2004-Dec-30	10:43	22.89	2.5	9.32	0.00	0	0	0	
2004-Dec-30	10:43	18.31	4.2	8.91	0.00	0	0	0	
2004-Dec-30	10:44	18.31	0.0	8.76	0.00	0	0	0	
2004-Dec-30	10:44	164.79	0.0	8.51	0.00	0	0	0	
2004-Dec-30	10:45	265.50	0.0	7.83	0.00	0	0	0	
2004-Dec-30	10:45	256.35	0.0	8.38	0.00	0	0	0	
2004-Dec-30	10:46	100.71	0.0	8.51	0.00	0	0	0	
2004-Dec-30	10:46	54.93	0.0	8.22	0.00	0	0	0	
2004-Dec-30	10:47	-32.04	0.0	8.02	0.00	0	0	0	
2004-Dec-30	10:47	-27.47	0.0	8.00	0.00	0	0	0	
2004-Dec-30	10:48	-22.89	0.0	7.97	0.00	0	0	0	
2004-Dec-30	10:48	4.58	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:49	13.73	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:49	13.73	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:50	18.31	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:50	18.31	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:50								End Tail Slurry
2004-Dec-30	10:50								Drop Top Plug
2004-Dec-30	10:50								Start Displacement
2004-Dec-30	10:50	22.89	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:50	18.31	0.0	8.53	0.00	0	0	0	
2004-Dec-30	10:51	18.31	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:51	50.35	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:52	82.40	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:52	173.95	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:53	173.95	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:53	169.37	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:54	279.23	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:54	274.66	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:55	311.28	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:55	347.90	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:56	398.25	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:56	439.45	3.9	8.53	0.00	0	0	0	
2004-Dec-30	10:57	471.49	3.1	8.53	0.00	0	0	0	
2004-Dec-30	10:57	457.76	2.2	8.53	0.00	0	0	0	
2004-Dec-30	10:58	494.38	2.2	8.53	0.00	0	0	0	
2004-Dec-30	10:58	517.27	2.1	8.53	0.00	0	0	0	
2004-Dec-30	10:59	540.16	2.3	8.53	0.00	0	0	0	
2004-Dec-30	10:59	563.05	2.2	8.53	0.00	0	0	0	
2004-Dec-30	11:00	585.94	2.3	8.53	0.00	0	0	0	

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 APR 21 2005  
 CONSERVATION DIVISION  
 WICHITA, KS

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ORIGINAL

Date	12/30/2004
Company	OXY
Job Number	2205547119
Well Name	CRAYTON
Well Number	A 5
County	MORTON
State	KS

**KCC**  
**APR 20 2005**  
**CONFIDENTIAL**

**Schlumberger**

Pipe Size	4 1/2	
Pipe Weight	11.6	11.6
Pipe Depth	3099	0
Shoe Length	44	
Insert Depth	3055	
Hole Size	7 7/8	
Hole Depth	3100	

Pipe Volume	48
Annular Volume	126
Total Cement	179
Total Water	189

Pipe Factor	0.0155	0.0155
Annular Factor	0.0406	
Height Factor	4.3898	

Casing lift	2260
Cement lift	847

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KANSAS CORPORATION COMMISSION

APR 21 2005

CONSERVATION DIVISION  
WICHITA, KS

Test 3000

20

126 Lead 11

53 Tail 13.8

47.4 Displacement

2000 Maximum Pressure

Pump time @ 4 BPM

57 MIN

**C+ADDS**

215 sacks	D903 D29 D46 D79
3.3 yield	
11 weight	
20.3 water	104
cubic ft.	710
height	3115
bbls	126

**50:50 POZ**

220 sacks	D909 D53 D132 D20
1.35 yield	D42 D112 D65 D46
13.8 weight	M117
7.1 water	37
cubic ft.	297
height	1304
bbls	52.9

**3rd System**

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

**4th System**

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