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Form ACO-1

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

APR 27 2005

September 1999

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WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE CONSERVATION DIVISION
WICHITA, KS

Form Must Be Typed

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

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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. _____
12/31/04 01/01/05 02/02/05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 067-21599-00-00
County: Grant
NW - NW - SE - NW Sec 1 Twp. 29 S. R. 37W
1390 feet from S (N circle one) Line of Section
1390 feet from E (W circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Hoffman J Well #: 4
Field Name: Panoma Council Grove
Producing Formation: Council Grove
Elevation: Ground: 2974 Kelly Bushing: _____
Total Depth: 3076 Plug Back Total Depth: 3032
Amount of Surface Pipe Set and Cemented at 656 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.

Drilling Fluid Management Plan ALT I WITHM
(Data must be collected from the Reserve Pit) 4-4-07
Chloride content 24000 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.

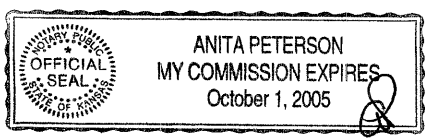
Signature: Vicki Carder
Title: Capital Project Date April 26, 2005
Subscribed and sworn to before me this 26 day of April
20 05
Notary Public: Anita Peterson
Date Commission Expires: Oct 1, 2005

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: Hoffman J Well #: 4
 Sec. 1 Twp. 29 S. R. 37W 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2373	601
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2403	571
List All E. Logs Run: Neutron Tracer Log		Winfield	2445	529
CBL		Towanda	2503	471
		Ft. Riley	2557	417
		Matfield	2622	352
		Wreford	2642	332
		Council Grove	2662	312

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	656	C	165	35/65 Poz C + Additives
Production	7 7/8	4 1/2	11.6	5074 3074	C	210	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	2796-99, 2804-06, 2757-66, 2781-83, 2753-55		
2	2749-51, 2742-44, 2734-40, 2725-30, 2719-21, 2714-16		
	2707-10, 2701-03		
1	2696-98, 2692-94, 2682-87, 2677-79, 2670-74		
	2664-68	(See Side Three)	

TUBING RECORD	Size 2 3/8	Set At 2823	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 02/22/05	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 233	Water Bbls 3	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

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Side Three

Operator Name: OXY USA Inc. Lease Name: Hoffman J Well #: 4
Sec. 1 Twp. 29 S. R. 37W East West County: Grant

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
		4500 gls FE Acid	
		19630 gls WF125 gel, 15000# 100 mesh sand	
		19626 gls WF125 gel 75% N2, 147384# 16/30 Sand	

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Schlumberger

Cementing Service Report

Customer OXY USA, INC.						Job Number 2205547191					
Well HOFFMAN 'J' 4			Location (legal)			Schlumberger Location Perryton, TX			Job Start 2005-Jan-02		
Field		Formation Name/Type		Deviation		Bit Size 7.88 in	Well MD 3,076 ft	Well TVD 3,076 ft			
County GRANT		State/Province KANSAS		BHP psi	BHST 111 °F	BHCT °F	Pore Press. Gradient psi/ft				
Well Master: 0630655560		API / UWI:		Casing/Liner							
Rig Name	Drilled For Oil & Gas		Service Via		Depth, ft 3080	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	Type		
Service Line Cementing		Job Type Cem Prod Casing									
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 210 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/ TREATED WATER											
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job	
Lift Pressure: 800 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type:		Squeeze Type			
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 1		Shoe Depth: 3080 ft		Tool Type:			
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft		Tail Pipe Size: in			
Job Scheduled For:		Arrived on Location: 2005-Jan-02 6:00		Leave Location: 2005-Jan-02 13:00		Collar Type:		Tail Pipe Depth: ft		Collar Depth: 3038 ft	
						Sqz Total Vol: bbl					
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	10:58	0	0.0	0.0	8.38	0.0	0.0	0			
2005-Jan-02	10:58								Start Job		
2005-Jan-02	10:58	-5	0.0	0.0	8.38	0.0	0.0	0			
2005-Jan-02	10:58	0	0.0	0.0	8.38	0.0	0.0	0			
2005-Jan-02	10:59	23	0.0	0.0	8.38	1.1	0.3	0			
2005-Jan-02	10:59	3296	0.0	0.0	8.38	0.0	0.5	0			
2005-Jan-02	11:00								Pressure Test Lines		
2005-Jan-02	11:00	2989	0.0	0.0	8.38	0.0	0.5	0			
2005-Jan-02	11:00	2971	0.0	0.0	8.38	0.0	0.5	0			
2005-Jan-02	11:00	1881	0.0	0.0	8.38	0.0	0.5	0			
2005-Jan-02	11:01	69	0.0	0.0	8.38	0.0	0.5	0			
2005-Jan-02	11:03	69	0.0	0.0	8.38	0.9	0.6	0			
2005-Jan-02	11:04	69	0.0	0.0	8.38	4.1	2.5	0			
2005-Jan-02	11:04	69	0.0	0.0	8.38	4.1	4.5	0			
2005-Jan-02	11:05	69	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:08	-5	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:09	-9	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:10	-5	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:11	-9	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:13	-5	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:14	-9	0.0	0.0	8.38	0.0	4.7	0			
2005-Jan-02	11:21	-5	0.0	0.0	8.38	0.0	4.7	0			

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Well		Field			Service Date		Customer		Job Number	
HOFFMAN U #4					052-Jan-02		OXY USA, INC.		2205547101	
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		
2005-Jan-02	11:21	-9	0.0	0.0	8.38	0.0	4.7	0	KCC APR 26 2005 CONFIDENTIAL	
2005-Jan-02	11:22	-5	0.0	0.0	8.38	0.0	4.7	0		
2005-Jan-02	11:23	-9	0.0	0.0	8.38	0.0	4.7	0		
2005-Jan-02	11:23	-5	0.0	0.0	8.38	0.0	4.7	0		
2005-Jan-02	11:24	27	0.0	0.0	8.38	0.0	4.7	0		
2005-Jan-02	11:24									Pressure Test Lines
2005-Jan-02	11:24	3094	0.0	0.0	8.38	0.0	4.8	0		
2005-Jan-02	11:24	3085	0.0	0.0	8.38	0.0	4.8	0		
2005-Jan-02	11:25	2975	0.0	0.0	8.38	0.0	4.8	0		
2005-Jan-02	11:25	101	0.8	0.1	8.38	0.6	4.8	0		
2005-Jan-02	11:26	160	1.5	0.3	8.38	1.4	5.0	0		
2005-Jan-02	11:26								Start Pumping Wash	
2005-Jan-02	11:26	151	3.0	0.8	8.38	3.1	0.8	0		
2005-Jan-02	11:26	188	4.2	2.6	8.38	4.2	2.5	0		
2005-Jan-02	11:27	220	4.9	5.0	8.38	5.0	4.9	0		
2005-Jan-02	11:27	220	5.0	7.4	8.91	0.0	6.9	0		
2005-Jan-02	11:28	229	5.0	10.0	8.36	5.1	9.1	0		
2005-Jan-02	11:28	224	5.1	12.5	8.36	5.2	11.7	0		
2005-Jan-02	11:29	238	5.1	15.0	8.36	5.2	14.2	0		
2005-Jan-02	11:29	233	5.3	17.6	8.49	5.4	16.8	0		
2005-Jan-02	11:30	252	5.3	20.3	8.44	5.5	19.5	0		
2005-Jan-02	11:30	275	5.3	22.9	8.66	5.3	22.2	0		
2005-Jan-02	11:31	229	5.3	23.4	8.67	5.5	22.6	0		
2005-Jan-02	11:31								End Wash	
2005-Jan-02	11:31	220	5.3	25.6	9.35	5.7	24.9	0		
2005-Jan-02	11:31								Reset Total, Vol = 27.71 bbl	
2005-Jan-02	11:31	247	5.4	27.7	10.46	5.4	27.1	0		
2005-Jan-02	11:31								Start Mixing Lead Slurry	
2005-Jan-02	11:31	238	5.4	0.2	10.53	5.4	0.2	0		
2005-Jan-02	11:31	238	5.4	0.5	10.67	5.5	0.5	0		
2005-Jan-02	11:32	247	5.4	3.2	11.99	5.4	3.3	0		
2005-Jan-02	11:32	247	5.3	6.0	12.19	5.6	6.1	0		
2005-Jan-02	11:33	188	5.3	8.7	12.53	5.6	8.7	0		
2005-Jan-02	11:33	238	5.3	11.4	12.00	5.4	11.4	0		
2005-Jan-02	11:34	188	5.4	14.1	11.82	5.5	14.2	0		
2005-Jan-02	11:34	133	5.4	16.8	11.73	5.4	16.9	0		
2005-Jan-02	11:35	110	5.4	19.5	11.62	5.5	19.7	0		
2005-Jan-02	11:35	165	5.5	22.2	11.57	5.6	22.4	0		
2005-Jan-02	11:36	156	5.5	25.0	11.47	5.5	25.2	0		
2005-Jan-02	11:36	105	5.5	27.7	11.43	5.6	28.0	0		
2005-Jan-02	11:37	101	5.5	30.4	11.40	5.6	30.8	0		
2005-Jan-02	11:37	101	5.5	33.2	11.44	5.7	33.6	0		
2005-Jan-02	11:38	96	5.5	35.9	11.49	5.7	36.4	0		
2005-Jan-02	11:38	105	5.6	38.7	11.53	5.8	39.3	0		
2005-Jan-02	11:39	105	5.6	41.5	11.54	5.7	42.1	0		
2005-Jan-02	11:39	96	5.5	44.3	11.52	5.6	44.9	0		
2005-Jan-02	11:40	96	5.5	47.0	11.53	5.5	47.7	0		
2005-Jan-02	11:40	101	5.5	49.8	11.68	5.8	50.6	0		
2005-Jan-02	11:41	105	5.6	52.6	11.76	5.6	53.4	0		
2005-Jan-02	11:41	114	5.6	55.4	11.71	5.7	56.3	0		
2005-Jan-02	11:42	105	5.6	58.2	11.63	5.8	59.2	0		
2005-Jan-02	11:42	105	5.6	61.0	11.57	5.8	62.0	0		
2005-Jan-02	11:43	110	5.7	63.9	11.56	6.0	65.0	0		
2005-Jan-02	11:43	114	5.7	66.7	11.56	6.0	67.9	0		

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Well		Field			Service Date		Customer		Job Number	
HOFFMAN 'J' #4					052-Jan-02		OXY USA, INC.		2205547191	
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	11:44	110	5.7	69.7	11.50	5.9	70.9	0	KCC APR 26 2005 CONFIDENTIAL	
2005-Jan-02	11:44	105	5.7	72.5	11.49	5.8	73.8	0		
2005-Jan-02	11:45	105	5.7	75.4	11.54	5.7	76.8	0		
2005-Jan-02	11:45	110	5.7	78.2	11.63	5.9	79.7	0		
2005-Jan-02	11:46	114	5.7	81.1	11.63	5.7	82.6	0		
2005-Jan-02	11:46	105	5.7	83.9	11.65	5.7	85.5	0		
2005-Jan-02	11:47	119	5.7	86.7	11.68	5.9	88.4	0		
2005-Jan-02	11:47	105	5.7	89.6	11.57	5.7	91.3	0		
2005-Jan-02	11:48	114	5.7	92.4	11.62	5.9	94.2	0		
2005-Jan-02	11:48	114	5.7	95.3	11.30	5.9	97.1	0		
2005-Jan-02	11:49	110	5.7	98.1	11.53	5.7	100.1	0		
2005-Jan-02	11:49	114	5.7	98.4	11.69	5.7	100.3	0		
2005-Jan-02	11:49								End Lead Slurry	
2005-Jan-02	11:49	114	5.7	98.6	11.78	5.6	100.5	0		
2005-Jan-02	11:49								Reset Total, Vol = 98.60 bbl	
2005-Jan-02	11:49								Start Mixing Tail Slurry	
2005-Jan-02	11:49	114	5.7	0.2	11.86	5.7	0.2	0		
2005-Jan-02	11:49	128	5.7	2.4	12.66	5.6	2.3	0		
2005-Jan-02	11:50	156	5.7	5.2	13.56	5.5	5.1	0		
2005-Jan-02	11:50	183	5.8	8.1	14.08	5.6	7.8	0		
2005-Jan-02	11:51	165	5.8	11.0	13.53	5.5	10.7	0		
2005-Jan-02	11:51	156	5.7	13.8	13.40	5.5	13.4	0		
2005-Jan-02	11:52	169	5.7	16.7	13.88	5.5	16.2	0		
2005-Jan-02	11:52	197	5.7	19.5	14.27	5.5	18.9	0		
2005-Jan-02	11:53	179	5.7	22.4	13.99	5.5	21.7	0		
2005-Jan-02	11:53	174	5.7	25.2	13.82	5.6	24.4	0		
2005-Jan-02	11:54	174	5.8	28.1	13.82	5.5	27.2	0		
2005-Jan-02	11:54	174	5.8	31.0	13.78	5.5	30.0	0		
2005-Jan-02	11:55	174	5.7	33.8	13.82	5.5	32.8	0		
2005-Jan-02	11:55	179	5.7	36.7	13.85	5.6	35.5	0		
2005-Jan-02	11:56	183	5.8	39.7	13.85	5.6	38.4	0		
2005-Jan-02	11:57	183	5.8	42.6	13.78	5.7	41.2	0		
2005-Jan-02	11:57	179	5.8	45.5	13.71	5.6	44.1	0		
2005-Jan-02	11:58	179	5.8	48.4	13.75	5.7	46.8	0		
2005-Jan-02	11:58	183	5.8	51.2	13.74	5.5	49.7	0		
2005-Jan-02	11:59	96	1.3	53.9	13.92	3.9	52.4	0		
2005-Jan-02	11:59	87	0.5	54.2	13.95	4.0	54.3	0		
2005-Jan-02	11:59								End Tail Slurry	
2005-Jan-02	11:59	-18	0.0	54.4	13.79	0.7	55.5	0		
2005-Jan-02	11:59	-18	0.0	54.4	13.74	0.3	55.5	0		
2005-Jan-02	11:59								Reset Total, Vol = 54.36 bbl	
2005-Jan-02	12:00	-18	0.0	0.0	13.67	0.0	0.0	0		
2005-Jan-02	12:00	-18	0.0	0.0	13.68	0.0	0.0	0		
2005-Jan-02	12:01	-18	0.0	0.0	13.54	3.1	0.1	0		
2005-Jan-02	12:01	-18	0.0	0.0	10.19	0.0	0.5	0		
2005-Jan-02	12:02	-5	0.0	0.0	10.06	0.0	0.5	0		
2005-Jan-02	12:02	-9	0.0	0.0	9.94	0.3	0.5	0		
2005-Jan-02	12:03	9	0.0	0.0	9.54	1.8	1.2	0		
2005-Jan-02	12:03	14	0.0	0.0	9.06	3.0	2.3	0		
2005-Jan-02	12:04	9	0.0	0.0	8.99	1.9	3.5	0		
2005-Jan-02	12:04	23	0.0	0.0	8.76	3.7	5.2	0		
2005-Jan-02	12:05	46	0.0	0.0	8.57	4.8	7.4	0		
2005-Jan-02	12:05	41	3.0	0.0	8.43	4.5	9.8	0		
2005-Jan-02	12:06	41	3.0	0.0	8.36	4.6	12.0	0		

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Well		Field			Service Date		Customer		Job Number	
HOFFMAN 'J' #4					052-Jan-02		OXY USA, INC.		2205547191	
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		
2005-Jan-02	12:06	37	3.0	0.0	8.32	4.6	14.1	0	KCC APR 26 2005 CONFIDENTIAL	
2005-Jan-02	12:07	-5	0.0	0.0	8.39	0.0	15.0	0		
2005-Jan-02	12:07	-9	0.0	0.0	8.38	0.0	15.0	0		
2005-Jan-02	12:08	-9	0.0	0.0	8.37	0.0	15.0	0		
2005-Jan-02	12:08	50	3.4	0.6	8.37	2.6	15.7	0		
2005-Jan-02	12:08									Drop Top Plug
2005-Jan-02	12:08	50	3.8	1.5	8.37	4.4	16.5	0		
2005-Jan-02	12:08									Start Displacement
2005-Jan-02	12:08	50	3.8	1.5	8.37	4.4	16.6	0		
2005-Jan-02	12:09	46	3.8	2.5	8.37	5.4	17.8	0		
2005-Jan-02	12:09	46	3.8	4.4	8.37	5.3	5.3	0		
2005-Jan-02	12:10	46	3.7	6.2	8.35	5.4	7.9	0		
2005-Jan-02	12:10	46	3.7	8.1	8.35	4.2	10.4	0		
2005-Jan-02	12:11	46	3.6	9.9	8.36	3.6	12.4	0		
2005-Jan-02	12:11	73	3.6	11.7	8.36	3.4	14.1	0		
2005-Jan-02	12:12	114	3.6	13.5	8.36	3.3	15.8	0		
2005-Jan-02	12:12	179	3.9	15.4	8.36	3.4	17.5	0		
2005-Jan-02	12:13	211	3.8	17.3	8.36	3.5	19.2	0		
2005-Jan-02	12:13	146	0.2	18.8	8.36	1.2	20.6	0		
2005-Jan-02	12:14	655	5.8	20.4	8.36	3.7	21.8	0		
2005-Jan-02	12:14	348	4.4	22.8	8.36	4.4	24.0	0		
2005-Jan-02	12:15	385	4.4	25.0	8.36	4.3	26.2	0		
2005-Jan-02	12:15	426	4.4	27.2	8.36	4.4	28.3	0		
2005-Jan-02	12:16	485	4.4	29.4	8.36	4.4	30.5	0		
2005-Jan-02	12:16	526	4.4	31.6	8.36	4.4	32.6	0		
2005-Jan-02	12:17	568	4.4	33.8	8.36	4.4	34.8	0		
2005-Jan-02	12:17	591	3.0	35.4	8.36	2.8	36.4	0		
2005-Jan-02	12:18	581	2.9	36.9	8.36	2.9	37.8	0		
2005-Jan-02	12:18	595	2.9	38.4	8.36	2.8	39.3	0		
2005-Jan-02	12:19	636	3.0	39.8	8.36	2.8	40.7	0		
2005-Jan-02	12:19	673	2.9	41.3	8.36	2.8	42.1	0		
2005-Jan-02	12:20	655	2.5	42.8	8.36	2.5	43.6	0		
2005-Jan-02	12:20	655	2.0	43.8	8.36	1.9	44.6	0		
2005-Jan-02	12:21	696	2.0	44.9	8.36	1.9	45.6	0		
2005-Jan-02	12:21	723	2.0	45.9	8.36	1.9	46.5	0		
2005-Jan-02	12:22	1515	0.0	46.7	8.36	0.3	47.4	0		
2005-Jan-02	12:22								Bump Top Plug	
2005-Jan-02	12:22	1451	0.0	46.7	8.36	0.0	47.4	0		
2005-Jan-02	12:22	1447	0.0	46.7	8.36	0.0	47.4	0		
2005-Jan-02	12:22								End Displacement	
2005-Jan-02	12:22								Reset Total, Vol = 46.74 bbl	
2005-Jan-02	12:22	1447	0.0	0.0	8.36	0.0	0.0	0		
2005-Jan-02	12:23	865	0.0	0.0	8.36	0.0	0.0	0		
2005-Jan-02	12:23	0	0.0	0.0	8.36	0.0	0.0	0		
2005-Jan-02	12:23								End Job	
2005-Jan-02	12:23	-5	0.0	0.0	8.36	0.0	0.0	0		

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Well		Field		Service Date		Customer		Job Number	
HOFFMAN 'J' #4				052-Jan-02		OXY USA, INC.		2205547191	
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	
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5			6	152		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			1500		Volume	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	15	bbl	
%	176 bbl	47.1 bbl	°F	<input type="checkbox"/> Washed Thru Perfs		To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed			
Wylie, Cal			Ahrends, Timothy						

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Date	01/02/04
Company	OXY
Job Number	2205547191
Well Name	Hoffman
Well Number	J 4
County	Grant
State	KS

Pipe Size	4 1/2	
Pipe Weight	11.6	17
Pipe Depth	3080	
Shoe Length	42	
Insert Depth	3038	
Hole Size	7 7/8	
Hole Depth	3076	

1st System	
210 sacks	C
3.3 yield	
11 weight	
20.3 water	102
cubic ft.	693
height	3042
bbls	123

173	Pipe Volume	48
	Annular Volume	125
	Total Cement	176
	Total Water	181

Pipe Factor	0.0155	0.0232
Annular Factor	0.0406	
Height Factor	4.3898	

2nd System	
190 sacks	H
1.55 yield	
13.8 weight	
7.1 water	32
cubic ft.	295
height	1293
bbls	52.5

Casing lift 2246
Cement lift 835

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

Test 3000

20 Chemical Wash

0 Water

123 Lead 11

52 Tail 13.8

47.1 Displacement

2000 Maximum Pressure

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

Pump Time @ 5 BPM 45 MIN

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Service Order

2004-Dec-31

Customer OXY USA, INC.		Person Taking Call Lingo, Monty		Dowell Location Perryton, TX		OrderDate 2004-Dec-31	Job Number 2205547191	
Well Name and Number HOFFMAN 'J' 4			Legal Location		Field	County GRANT		State/Province KANSAS
Well Master: 0630655560			API / UWT:					
Rig Name		Well Age New		Sales Engineer Cambern, Charles		Job Type Cem Prod Casing		
Time Well Ready:	Deviation °	Bit Size 7.88 in		Well MD 3,100 ft	Well TVD 3,100 ft	BHP psi	BHST 111 °F	BHCT °F
Treat Down Casing	Packer Type	Packer Depth ft	WellHead Connection 4½" H & SM		HHP on Location	Max Allowed Pressure	Max Allowed AnnPressure	
Casing					Services Instructions:			
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	CEMENT PROD 4½" CASING: 20 BBLs CW100 210 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/ TREATED WATER			
3100	4.5	11.6						
Tubing					Extra Equipment:			
Depth,	Size, in	Weight, lb/ft	Grade	Thread	1 CamCAT 1 PUMP TRUCK 1 ABT			
Perforated Intervals								
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft				
				Diameter in				
Expected On Location:					Ready To Pump:			

Contact	Voice	Mobile	FAX	Notes
CAL WYLIE		1 620 629 5656		OFFICE 1 620 629 4247
GREGG FILLPOT		1 620 353 8669		

Notes:

TAKE ONE 4½" TOP PLUG
TAKE ONE 4½" BOTTOM PLUG

Directions:

PERRYTON, TX. HWY 83 NORTH 80 MI TO LIBERAL, 9 MI ON HWY 83 NORTH TO JCT HWY 56, 39 MI WEST ON HWY 56 TO ROLLA, KS, 9 ¼ MI NORTH ON HWY 51, T/R (EAST) ON BLACKTOP FOR 2½ MI, NORTH INTO.

Other Notes:

FOLLOW ALL CONVOY POLICIES AND QHSE STANDARDS, REMEMBER THAT YOUR FAMILY WAITS FOR YOU COME BACK SAFE!!!

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Comments:

Fluid Systems:

CW100

20 BBLs CW100

Density: 8.33 lb/gal Thickening Time:
 Yield: ft³/sk
 H2O Mix: 0 gal/sk
 H2O: 0 gal Eq. Sack Weight: 0 lb
 Total Blend: 0 sacks

Dowell Code	Conc/ Amount	Total Quantity
D122A	10 gal	10
J237A	5 gal	5

FLUSH

4 GAL L064 & 1 LBS B069

Density: lb/gal Thickening Time:
 Yield: ft³/sk
 H2O Mix: 0 gal/sk
 H2O: 0 gal Eq. Sack Weight: 0 lb
 Total Blend: 0 sacks

Dowell Code	Conc/ Amount	Total Quantity
B069	1 lbs	1
L064	4 gal	4

LEAD

210 SKS CLASS C + 3% D079 + 0.2 % D046 + 0.25 PPS D029

Density: 11 lb/gal Thickening Time:
 Yield: 3.3 ft³/sk
 H2O Mix: 20.34 gal/sk
 H2O: 4271.4 gal Eq. Sack Weight: 94 lb
 Total Blend: 210 sacks

Dowell Code	Conc/ Amount	Total Quantity
D046	0.188 lbs/sk	39.48
D029	0.25 lbs/sk	52.5
CLASS C	94 lbs/sk	19740
D079	2.82 lbs/sk	592.2

TAIL

190 SKS 50/50 POZ/CLASS H + ADDS

Density: 13.8 lb/gal Thickening Time:
 Yield: 1.55 ft³/sk
 H2O Mix: 7.1 gal/sk
 H2O: 1349 gal Eq. Sack Weight: 86.71 lb
 Total Blend: 190 sacks

Dowell Code	Conc/ Amount	Total Quantity
D020	1.734 lbs/sk	329.46
D042	5 lbs/sk	950
D065	0.216 lbs/sk	41.04
D046	0.216 lbs/sk	41.04
M117	2.6 lbs/sk	494
D132	39.71 lbs/sk	7544.9
CLASS H	47 lbs/sk	8930
D112	0.216 lbs/sk	41.04
D053	5 lbs/sk	950

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Cementing Service Report

Customer OXY USA, INC.	Job Number 2205547114
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Well HOFFMAN 'J' 4		Location (legal) SEC1-T296-R37W		Schlumberger Location Perryton, TX		Job Start 2004-Dec-31			
Field		Formation Name/Type		Bit Size		Well MD			
GRANT		KANSAS		12.3 in		660 ft			
County		State/Province		BHP		BHT			
GRANT		KANSAS		87 °F		°F			
Well Master: 0630655560		API / UWI:		Casing/Liner					
Rig Name CHEYENNE 8		Drilled For Oil & Gas		Service Via Land		Depth, ft			
		New		Development		660			
Offshore Zone		Well Class		Well Type		Size, in			
						8.63			
Drilling Fluid Type		Max. Density		Plastic Vi: cp		Weight, lb/ft			
		lb/gal				24			
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			
Service Instructions						spf			
CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 165 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 150 SK CLASS C + 2% S001 + 0.25 pps D029						No. of Shots			
						Total Interval ft			
						Diameter in			
				Treat Down Casing		Displacement 39.4 bbl			
				Tubing Vol. bbl		Packer Type Packer Depth ft			
				42.1694 bbl		Annular Vol. 48.657 bbl			
						OpenHole Vol 96.228 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: 150 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide		Squeeze Type	
No. Centralizers: 5		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 660 ft		Tool Type:	
Cement Head Type:						Stage Tool Type:		Tool Depth: ft	
Job Scheduled For:		Arrived on Location: 2004-Dec-31 12:30		Leave Location: 2004-Dec-31 18:30		Stage Tool Depth: ft		Tail Pipe Size: in	
						Collar Type: Auto-Fill		Tail Pipe Depth: ft	
						Collar Depth: 618.5 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-31	16:45	0.00	0.0	8.30	0.00	0	0	0	
2004-Dec-31	16:45	4.58	0.0	8.30	0.00	0	0	0	
2004-Dec-31	16:45								Start Job
2004-Dec-31	16:45								Pressure Test Lines
2004-Dec-31	16:45	0.00	0.0	8.30	0.00	0	0	0	
2004-Dec-31	16:45								Start Pumping Spacer
2004-Dec-31	16:45	0.00	0.0	8.30	0.00	0	0	0	
2004-Dec-31	16:45	0.00	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:46	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:46	0.00	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:47	0.00	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:47	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:48	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:48	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:49	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:49	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:50	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:50	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:51	0.00	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:51	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:52	4.58	0.0	8.29	0.00	0	0	0	
2004-Dec-31	16:52	4.58	0.0	8.29	0.00	0	0	0	

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Well		Field			Service Date		Customer		Job Number	
HOFFMAN 'J' #4					04366-Dec-31		OXY USA, INC.		2205547114	
Date	Time	Treating PSI	CMT RATE	CMT DENS	CMT AN PRES	0	0	0	Message	
	24 hr clock	psi	bb/min	lb/gal	psi	0	0	0		
2004-Dec-31	16:53	4.58	0.0	8.29	0.00	0	0	0	KCC APR 26 2005 CONFIDENTIAL	
2004-Dec-31	16:53	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:54	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:54	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:55	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:55	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:56	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:56	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:57	4.58	0.0	8.29	0.00	0	0	0		
2004-Dec-31	16:57	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	16:58	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	16:58	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	16:59	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	16:59	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	17:00	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	17:00	4.58	0.0	8.28	0.00	0	0	0		
2004-Dec-31	17:01	4.58	0.0	8.31	0.00	0	0	0		
2004-Dec-31	17:01	1702.87	0.4	8.53	0.00	0	0	0		
2004-Dec-31	17:02	2938.83	0.0	8.51	0.00	0	0	0		
2004-Dec-31	17:02	4.58	0.0	8.49	0.00	0	0	0		
2004-Dec-31	17:03	27.47	1.6	8.52	0.00	0	0	0		
2004-Dec-31	17:03	22.89	1.6	8.53	0.00	0	0	0		
2004-Dec-31	17:04	50.35	3.9	8.52	0.00	0	0	0		
2004-Dec-31	17:04	50.35	3.9	8.51	0.00	0	0	0		
2004-Dec-31	17:05	50.35	3.9	8.51	0.00	0	0	0		
2004-Dec-31	17:05	54.93	3.9	8.51	0.00	0	0	0		
2004-Dec-31	17:06								Start Mixing Lead Slurry	
2004-Dec-31	17:06	54.93	3.9	8.51	0.00	0	0	0		
2004-Dec-31	17:06	59.51	3.9	8.51	0.00	0	0	0		
2004-Dec-31	17:06								Reset Total, Vol = 11.75 bbl	
2004-Dec-31	17:06	68.66	3.9	9.69	0.00	0	0	0		
2004-Dec-31	17:06								End Spacer	
2004-Dec-31	17:06	68.66	3.9	9.79	0.00	0	0	0		
2004-Dec-31	17:06	68.66	3.9	9.89	0.00	0	0	0		
2004-Dec-31	17:07	77.82	3.9	10.82	0.00	0	0	0		
2004-Dec-31	17:07	91.55	3.9	11.43	0.00	0	0	0		
2004-Dec-31	17:08	96.13	3.9	11.62	0.00	0	0	0		
2004-Dec-31	17:08	86.97	3.9	11.78	0.00	0	0	0		
2004-Dec-31	17:09	96.13	3.9	12.16	0.00	0	0	0		
2004-Dec-31	17:09	91.55	3.9	12.35	0.00	0	0	0		
2004-Dec-31	17:10	91.55	3.9	12.39	0.00	0	0	0		
2004-Dec-31	17:10	86.97	3.9	12.24	0.00	0	0	0		
2004-Dec-31	17:11	82.40	3.9	12.07	0.00	0	0	0		
2004-Dec-31	17:11	77.82	3.9	12.00	0.00	0	0	0		
2004-Dec-31	17:12	77.82	3.9	12.38	0.00	0	0	0		
2004-Dec-31	17:12	73.24	3.9	12.26	0.00	0	0	0		
2004-Dec-31	17:13	123.60	5.1	12.11	0.00	0	0	0		
2004-Dec-31	17:13	119.02	5.0	12.59	0.00	0	0	0		
2004-Dec-31	17:14	73.24	5.0	11.13	0.00	0	0	0		
2004-Dec-31	17:14	105.29	5.0	12.12	0.00	0	0	0		
2004-Dec-31	17:15	73.24	5.0	11.15	0.00	0	0	0		
2004-Dec-31	17:15	91.55	5.0	11.70	0.00	0	0	0		
2004-Dec-31	17:16	91.55	5.1	11.93	0.00	0	0	0		
2004-Dec-31	17:16	132.75	5.7	12.23	0.00	0	0	0		

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Well		Field			Service Date		Customer		Job Number
HOFFMAN J #4					04386-Dec-31		OXY USA, INC.		2205547114
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-31	17:17	137.33	5.7	12.25	0.00	0	0	0	KCC APR 26 2005 CONFIDENTIAL
2004-Dec-31	17:17	146.48	5.7	12.39	0.00	0	0	0	
2004-Dec-31	17:18	123.60	5.7	12.21	0.00	0	0	0	
2004-Dec-31	17:18	114.44	5.7	12.11	0.00	0	0	0	
2004-Dec-31	17:19	119.02	5.7	12.18	0.00	0	0	0	
2004-Dec-31	17:19	128.17	5.7	12.27	0.00	0	0	0	
2004-Dec-31	17:20	128.17	5.7	12.21	0.00	0	0	0	
2004-Dec-31	17:20	137.33	5.7	12.38	0.00	0	0	0	
2004-Dec-31	17:21	151.06	5.7	12.66	0.00	0	0	0	
2004-Dec-31	17:21								
2004-Dec-31	17:21	132.75	5.7	12.65	0.00	0	0	0	
2004-Dec-31	17:21	141.91	5.7	12.65	0.00	0	0	0	
2004-Dec-31	17:21								End Lead Slurry
2004-Dec-31	17:21	128.17	5.7	12.85	0.00	0	0	0	
2004-Dec-31	17:21								Reset Total, Vol = 70.79 bbl
2004-Dec-31	17:21	119.02	5.7	13.32	0.00	0	0	0	
2004-Dec-31	17:22	137.33	5.7	13.40	0.00	0	0	0	
2004-Dec-31	17:22	151.06	5.7	14.08	0.00	0	0	0	
2004-Dec-31	17:23	137.33	5.2	13.20	0.00	0	0	0	
2004-Dec-31	17:23	137.33	5.2	13.72	0.00	0	0	0	
2004-Dec-31	17:24	183.10	5.2	14.96	0.00	0	0	0	
2004-Dec-31	17:24	160.22	5.2	14.81	0.00	0	0	0	
2004-Dec-31	17:25	178.53	5.2	15.00	0.00	0	0	0	
2004-Dec-31	17:25	164.79	5.2	14.91	0.00	0	0	0	
2004-Dec-31	17:26	173.95	5.2	14.76	0.00	0	0	0	
2004-Dec-31	17:26	173.95	5.2	14.72	0.00	0	0	0	
2004-Dec-31	17:27	178.53	5.2	14.95	0.00	0	0	0	
2004-Dec-31	17:27	196.84	5.2	15.45	0.00	0	0	0	
2004-Dec-31	17:28	201.42	5.2	15.94	0.00	0	0	0	
2004-Dec-31	17:28	219.73	5.3	15.77	0.00	0	0	0	
2004-Dec-31	17:29	13.73	0.0	0.18	0.00	0	0	0	
2004-Dec-31	17:29	13.73	0.0	9.57	0.00	0	0	0	
2004-Dec-31	17:30	9.16	0.0	0.08	0.00	0	0	0	
2004-Dec-31	17:30	9.16	0.0	0.07	0.00	0	0	0	
2004-Dec-31	17:31	9.16	0.0	0.07	0.00	0	0	0	
2004-Dec-31	17:31	9.16	0.0	0.06	0.00	0	0	0	
2004-Dec-31	17:32	9.16	0.0	0.06	0.00	0	0	0	
2004-Dec-31	17:32	9.16	0.0	0.06	0.00	0	0	0	
2004-Dec-31	17:33	9.16	0.0	0.06	0.00	0	0	0	
2004-Dec-31	17:33	9.16	0.0	0.06	0.00	0	0	0	
2004-Dec-31	17:34	36.62	1.2	11.92	0.00	0	0	0	
2004-Dec-31	17:34	54.93	3.9	10.21	0.00	0	0	0	
2004-Dec-31	17:34	45.78	3.9	10.08	0.00	0	0	0	
2004-Dec-31	17:34								End Tail Slurry
2004-Dec-31	17:34								Drop Top Plug
2004-Dec-31	17:34	50.35	3.9	10.02	0.00	0	0	0	
2004-Dec-31	17:34	50.35	3.9	9.95	0.00	0	0	0	
2004-Dec-31	17:34								Start Displacement
2004-Dec-31	17:35	45.78	3.9	9.39	0.00	0	0	0	
2004-Dec-31	17:35	36.62	3.9	8.91	0.00	0	0	0	
2004-Dec-31	17:36	41.20	3.9	8.70	0.00	0	0	0	
2004-Dec-31	17:36	41.20	3.9	8.60	0.00	0	0	0	
2004-Dec-31	17:37	36.62	3.9	8.57	0.00	0	0	0	
2004-Dec-31	17:37	45.78	3.9	8.54	0.00	0	0	0	

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Well		Field			Service Date		Customer		Job Number	
HOFFMAN 'J' #4					04366-Dec-31		OXY USA, INC.		2205547114	
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-31	17:38	64.09	3.9	8.53	0.00	0	0	0	APR 26 2005	
2004-Dec-31	17:38	77.82	3.9	8.52	0.00	0	0	0	CONFIDENTIAL	
2004-Dec-31	17:39	96.13	3.9	8.50	0.00	0	0	0		
2004-Dec-31	17:39	109.86	3.9	8.49	0.00	0	0	0		
2004-Dec-31	17:40	123.60	3.9	8.19	0.00	0	0	0		
2004-Dec-31	17:40	128.17	3.9	8.52	0.00	0	0	0		
2004-Dec-31	17:41	146.48	3.9	8.52	0.00	0	0	0		
2004-Dec-31	17:41	141.91	3.9	8.52	0.00	0	0	0		
2004-Dec-31	17:42	137.33	2.5	8.52	0.00	0	0	0		
2004-Dec-31	17:42	128.17	2.5	8.52	0.00	0	0	0		
2004-Dec-31	17:43	132.75	2.5	8.53	0.00	0	0	0		
2004-Dec-31	17:43	169.37	2.5	8.53	0.00	0	0	0		
2004-Dec-31	17:44	196.84	2.5	8.53	0.00	0	0	0		
2004-Dec-31	17:44	146.48	2.5	8.53	0.00	0	0	0		
2004-Dec-31	17:45	196.84	2.2	8.53	0.00	0	0	0		
2004-Dec-31	17:45	151.06	2.2	8.53	0.00	0	0	0		
2004-Dec-31	17:46								End Displacement	
2004-Dec-31	17:46	961.30	0.0	7.38	0.00	0	0	0		
2004-Dec-31	17:46	956.72	0.0	7.42	0.00	0	0	0		
2004-Dec-31	17:46								Bump Top Plug	
2004-Dec-31	17:46	956.72	0.0	7.44	0.00	0	0	0		
2004-Dec-31	17:46	228.88	0.0	7.47	0.00	0	0	0		
2004-Dec-31	17:47	4.58	0.0	7.48	0.00	0	0	0		
2004-Dec-31	17:47	9.16	0.0	7.48	0.00	0	0	0		
2004-Dec-31	17:47								End Job	
2004-Dec-31	17:47								Stopped Acquisition	
2004-Dec-31	17:47	9.16	0.0	7.48	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			
4	0	0	5	100	0	10				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
1000		100	1100		bbl	lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume		40 bbl				
%	100 bbl	39.4 bbl	°F	<input type="checkbox"/> Washed Thru Perfs To		ft				
Customer or Authorized Representative				Schlumberger Supervisor						
FILLPOT, GREGG				Gonzales, Paul				<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed		

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Schlumberger

Date	12/31/2004
Company	OXY
Job Number	2205547114
Well Name	HOFFMAN
Well Number	J 4
County	GRANT
State	KS

Pipe Size	8 5/8	
Pipe Weight	24	32
Pipe Depth	660	
Shoe Length	43.5	
Insert Depth	618.5	
Hole Size	12 1/4	
Hole Depth	660	

35:65 POZ	
165 sacks	Class C D29 S01
2.18 yield	D20 D132
12.2 weight	
12.3 water	48.3
cubic ft.	360
height	439
bbls	64.1

91	Pipe Volume	42
	Annular Volume	49
	Total Cement	100
	Total Water	110

Pipe Factor	0.0637	0.0609
Annular Factor	0.0735	
Height Factor	1.2218	

C + ADDS	
150 sacks	D903 S1 D29
1.34 yield	
14.8 weight	
6.3 water	23
cubic ft.	201
height	246
bbls	35.8

Casing lift 271
Cement lift 151

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

Test 2000 psi

Mud

10 Spacer

64 Lead 12.2

36 Tail 14.8

39.3 Displacement

2000 Maximum Pressure

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

Pump time @ 4 BPM 35 MIN