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And

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

CONFIDENTIAL

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: ONEOK
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Marvin T. Harvey, Jr.
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. _____
05/21/05 05/30/05 06/30/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-21957-0000
County: Seward
- - W/2 - NW Sec 30 Twp. 34 S. R. 33W
1288 feet from S (circle one) Line of Section
670 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Kirk A Well #: 4
Field Name: Salley SW
Producing Formation: Morrow
Elevation: Ground: 2887 Kelly Bushing: 2898
Total Depth: 6468 Plug Back Total Depth: 6190
Amount of Surface Pipe Set and Cemented at 1725 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3078
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I Water
(Data must be collected from the Reserve Pit) 4-23-2002
Chloride content 1000 mg/ ppm Fluid volume 1650 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.

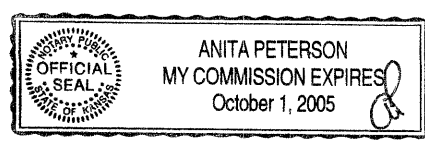
Signature: Vicki Carder
Title: Capital Project Date Sept 08, 2005
Subscribed and sworn to before me this 8th day of Sept.
20 05
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

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

Wireline Log Received

Geologist Report Received

UIC Distribution



X

Operator Name: OXY USA Inc. Lease Name: Kirk A Well #: 4

Sec. 30 Twp. 34 S. R. 33W East West County: Seward

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Annular Hole Vol Neutron Induction Sonic Microlog Geological Rpt.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Chase</td> <td>2639</td> <td>259</td> </tr> <tr> <td>Funstone</td> <td>2994</td> <td>-96</td> </tr> <tr> <td>Wabaunsee</td> <td>3481</td> <td>-583</td> </tr> <tr> <td>Shawnee</td> <td>3861</td> <td>-963</td> </tr> <tr> <td>Heebner</td> <td>4342</td> <td>-1444</td> </tr> <tr> <td>Toronto</td> <td>4363</td> <td>-1465</td> </tr> <tr> <td>Lansing</td> <td>4479</td> <td>-1581</td> </tr> <tr> <td>Kansas City</td> <td>4780</td> <td>-1882</td> </tr> </table> <p>(See Side Three)</p>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Chase	2639	259	Funstone	2994	-96	Wabaunsee	3481	-583	Shawnee	3861	-963	Heebner	4342	-1444	Toronto	4363	-1465	Lansing	4479	-1581	Kansas City	4780	-1882
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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	1725	C	615	35/65 poz + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	10.5	6446	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 checked="" type="checkbox"/> Protect Casing	Est 1696-3078	H	355	50/50 Poz Prem + Additives (Port Collar)
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	6200-6212	Acidize - 2500 gls 17% FE Acid	
	CIBP @ 6190'		
4	6137-6143, 6143-6150	Acidize - 1500 gls 7.5% FE/MCA	
		61,900 gls WF130 gel, 70QN2, 78,000#	
		20/40 Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	6138		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 08/01/05		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf	Water Bbls	Gas-Oil Ratio Gravity
	0	887	0	

Disposition of Gas

METHOD OF COMPLETION

Production Interval

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

Other (Specify) _____

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Side Three

ORIGINAL

Operator Name: OXY USA Inc. Lease Name: Kirk A Well #: 4

Sec. 30 Twp. 34 S. R. 33W East West County: Seward

Name	Top	Datum
Marmaton	5216	-2318
Cherokee	5484	-2586
Atoka	5667	-2769
Morrow	5864	-2966
Mrkr 3	6048	-3150
Lower Morrow sand	6116	-3218
Chester C	6173	-3275
Chester B	6277	-3379
Chester A	6388	-3490

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Schlumberger

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Cementing Service Report

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Customer: OXY USA, INC.							Job Number: 2205548866		
Well: Kirk 'A' 4			Location (legal): Sec 30 - 33S - 34W			Schlumberger Location: Perryton, TX		Job Start: 2005-May-23	
Field: Archer		Formation Name/Type:			Deviation:		Bit Size: 12.3 in	Well MD: 1,725 ft	Well TVD: 1,725 ft
County: Seward		State/Province: Kansas			BHP: psi	BHST: 98 °F	BHCT: °F	Pore Press. Gradient: psi/ft	
Well Master: 0630650730		API / UWI:			Casing/Liner				
Rig Name: MURFIN 20		Drilled For: Gas		Service Via: Land		Depth, ft: 1729	Size, in: 8.63	Weight, lb/ft: 24	Grade: 8RD
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 Surface Casing			Perforations/Open Hole				
Max. Allowed Tubing Pressure: 2000 psi		Max. Allowed Ann. Pressure: psi	WellHead Connection:		Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval: ft
Service Instructions: Cement 1750 ft of 8 5/8 Casing with: 615 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 Displace with FreshWater					Diameter: in	Treat Down: Casing	Displacement: 107.3 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 type="checkbox"/>			Shoe Type:		Squeeze Type:	
No. Centralizers: Top Plugs: 1 Bottom Plugs: 0		Cement Head Type: Single		Job Scheduled For: 2005-May-23 0:00		Arrived on Location:	Leave Location:	Shoe Depth: 1729 ft	
Stage Tool Type:		Stage Tool Depth: ft	Tail Pipe Size: in	Collar Type:	Collar Depth: 1685 ft	Tail Pipe Depth: ft	Sqz Total Vol: bbl		
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	Message	
	24 hr clock	psi	bbt/min	bbt	lb/gal	bbt/min	bbt		
2005-May-23	1:05	-5	0.0	0.0	8.30	0.0	0.0		
2005-May-23	1:05	-5	0.0	0.0	8.30	0.0	0.0		
2005-May-23	1:05							RECEIVED	
2005-May-23	1:05	0	0.0	0.0	8.30	0.0	0.0	Start Job	
2005-May-23	1:06	0	0.0	0.0	8.30	0.0	0.0	SEP 12 2005	
2005-May-23	1:06	0	0.0	0.0	8.30	0.0	0.0	KCC WICHITA	
2005-May-23	1:07	0	0.0	0.0	8.30	0.0	0.0		
2005-May-23	1:07	9	0.0	0.0	8.25	2.8	0.4		
2005-May-23	1:08	2518	0.0	0.2	8.29	0.0	0.7		
2005-May-23	1:08	2454	0.0	0.2	8.29	0.0	0.7		
2005-May-23	1:08							Pressure Test Lines	
2005-May-23	1:08	2376	0.0	0.2	8.30	0.0	0.7		
2005-May-23	1:09	27	0.0	0.2	8.30	0.0	0.7		
2005-May-23	1:09	60	1.0	0.6	8.26	1.9	1.6		
2005-May-23	1:09	55	1.0	0.7	8.26	2.0	1.8		
2005-May-23	1:09							Start Pumping Spacer	
2005-May-23	1:10	60	1.0	1.1	8.26	1.9	2.6		
2005-May-23	1:10	137	3.9	2.4	8.25	3.8	4.1		
2005-May-23	1:11	101	6.6	5.3	8.25	2.7	5.6		
2005-May-23	1:11	96	6.6	8.6	8.25	2.7	6.9		
2005-May-23	1:12	192	6.6	11.8	8.25	6.6	8.5		
2005-May-23	1:12	192	6.6	15.1	8.06	6.5	11.9		

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Well		Field	Service Date		Customer		Job Number		
Kirk 'A' #4		Archer	05143-May-23		OXY USA, INC.		2205548868		
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-May-23	1:13							0	End Spacer
2005-May-23	1:13	211	6.6	16.3	8.29	6.5	13.1	0	
2005-May-23	1:13							0	Reset Total, Vol = 18.02 bbl
2005-May-23	1:13	192	6.7	18.0	9.01	6.4	14.8	0	
2005-May-23	1:13							0	Start Mixing Lead Slurry
2005-May-23	1:13	183	6.6	0.2	9.08	6.6	0.2	0	
2005-May-23	1:13	165	6.6	0.3	9.10	6.2	0.3	0	
2005-May-23	1:13	169	6.6	3.6	9.34	6.6	3.7	0	
2005-May-23	1:14	151	6.6	6.9	8.71	7.9	7.1	0	
2005-May-23	1:14	215	6.6	10.2	10.58	6.6	10.9	0	
2005-May-23	1:15	229	6.6	13.5	11.30	6.6	14.0	0	
2005-May-23	1:15	261	6.6	16.9	11.89	6.4	17.3	0	
2005-May-23	1:16	243	6.6	20.2	11.38	7.4	20.6	0	
2005-May-23	1:16	110	4.6	23.4	12.34	5.3	24.9	0	
2005-May-23	1:17	179	5.6	25.9	12.69	5.4	27.3	0	
2005-May-23	1:17	201	6.6	28.8	12.55	4.7	29.8	0	
2005-May-23	1:18	192	6.6	32.1	12.79	6.2	32.9	0	
2005-May-23	1:18	201	6.6	35.4	12.86	6.4	36.0	0	
2005-May-23	1:19	165	6.6	38.7	12.56	6.2	39.2	0	
2005-May-23	1:19	169	6.6	42.0	12.04	5.9	42.3	0	
2005-May-23	1:20	142	6.6	45.3	10.62	15.0	45.7	0	
2005-May-23	1:20	146	6.6	48.6	15.12	7.8	49.7	0	
2005-May-23	1:21	92	5.6	51.5	12.26	4.8	55.5	0	
2005-May-23	1:21	188	6.6	54.6	12.89	6.1	58.3	0	
2005-May-23	1:22	114	6.6	57.9	13.06	6.0	61.3	0	
2005-May-23	1:22	206	6.6	61.2	12.85	5.8	64.3	0	
2005-May-23	1:23	192	6.6	64.5	13.01	6.0	67.3	0	
2005-May-23	1:23	151	6.6	67.8	13.03	5.7	70.2	0	
2005-May-23	1:24	169	6.6	71.1	13.04	6.1	73.3	0	
2005-May-23	1:24	169	6.6	74.4	13.22	6.1	76.2	0	
2005-May-23	1:25	156	6.6	77.7	12.74	6.1	79.2	0	
2005-May-23	1:25	188	7.2	81.1	11.86	6.8	82.2	0	
2005-May-23	1:26	96	6.6	84.6	11.53	6.1	85.4	0	
2005-May-23	1:26	146	6.6	87.9	11.43	5.9	88.5	0	
2005-May-23	1:27	137	6.6	91.2	11.87	5.9	91.5	0	
2005-May-23	1:27	174	6.6	94.5	12.05	5.5	94.4	0	
2005-May-23	1:28	174	6.5	97.8	11.85	5.4	97.3	0	
2005-May-23	1:28	151	6.5	101.0	11.73	6.4	100.4	0	
2005-May-23	1:29	69	6.1	104.2	11.92	7.7	104.2	0	
2005-May-23	1:29	169	6.4	107.1	11.97	5.6	106.3	0	
2005-May-23	1:30	160	6.3	110.3	11.37	5.4	109.0	0	
2005-May-23	1:30	78	5.4	113.1	11.58	4.0	111.3	0	
2005-May-23	1:31	128	5.4	115.8	11.18	4.2	113.4	0	
2005-May-23	1:31	142	6.3	118.8	11.78	5.5	116.0	0	
2005-May-23	1:32	114	6.1	121.9	12.83	5.3	118.8	0	
2005-May-23	1:32	105	6.1	125.0	12.34	5.2	121.3	0	
2005-May-23	1:33	146	6.1	128.0	11.85	5.0	123.9	0	
2005-May-23	1:33	124	6.1	131.1	12.65	5.3	126.5	0	
2005-May-23	1:34	174	6.6	134.3	12.95	5.4	129.3	0	
2005-May-23	1:34	119	6.2	137.5	13.33	5.3	132.0	0	
2005-May-23	1:35	119	6.6	140.6	13.00	5.6	134.7	0	
2005-May-23	1:35	288	6.6	143.9	12.83	5.5	137.7	0	
2005-May-23	1:36	128	6.6	147.2	13.00	5.7	140.6	0	
2005-May-23	1:36	146	6.6	150.5	13.15	6.3	143.7	0	

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Well		Field			Service Date		Customer		Job Number
Kirk 'A' #4		Archer			05143-May-23		OXY USA, INC.		2205548866
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-May-23	1:37	110	6.6	153.8	12.19	5.9	146.7	0	
2005-May-23	1:37	156	6.6	157.1	11.55	6.3	149.7	0	
2005-May-23	1:38	169	6.6	160.4	11.95	6.4	152.8	0	
2005-May-23	1:38	146	6.4	163.7	11.56	6.1	155.9	0	
2005-May-23	1:39	146	6.4	166.9	11.79	5.4	158.9	0	
2005-May-23	1:39	119	6.4	170.1	11.10	6.2	162.8	0	
2005-May-23	1:40	142	6.1	173.3	11.86	5.7	166.5	0	
2005-May-23	1:40	124	6.1	176.3	12.17	5.4	169.9	0	
2005-May-23	1:41	156	6.1	179.4	12.02	5.3	172.7	0	
2005-May-23	1:41	146	6.1	182.4	12.07	5.5	175.5	0	
2005-May-23	1:42	128	6.1	185.6	11.19	5.3	178.3	0	
2005-May-23	1:42	69	5.3	188.3	10.55	3.9	180.4	0	
2005-May-23	1:43	110	6.1	191.3	10.04	5.8	183.2	0	
2005-May-23	1:43	55	0.0	193.3	9.79	3.6	185.5	0	
2005-May-23	1:44	32	0.0	193.3	9.79	2.8	187.0	0	
2005-May-23	1:44	18	0.0	193.3	9.53	2.9	189.2	0	
2005-May-23	1:45	37	0.0	193.3	8.12	4.3	190.6	0	
2005-May-23	1:45	14	0.0	193.3	8.27	0.0	192.9	0	
2005-May-23	1:46	55	0.0	193.3	8.45	8.4	195.7	0	
2005-May-23	1:46	18	0.0	193.3	7.27	0.1	198.4	0	
2005-May-23	1:47	14	0.0	193.3	9.67	0.4	199.7	0	
2005-May-23	1:47	9	0.5	193.3	9.78	0.0	199.7	0	
2005-May-23	1:48	128	5.9	195.6	8.60	8.6	203.0	0	
2005-May-23	1:48	119	6.2	198.6	8.34	6.1	206.7	0	
2005-May-23	1:49	32	0.0	200.2	7.81	1.0	209.1	0	
2005-May-23	1:49	18	0.0	200.2	3.27	23.0	210.0	0	
2005-May-23	1:50	18	0.0	200.2	6.92	0.1	221.7	0	
2005-May-23	1:50	32	0.0	200.2	7.99	5.2	223.0	0	
2005-May-23	1:51	55	0.0	200.2	8.64	7.0	226.0	0	
2005-May-23	1:51	146	5.9	201.1	11.09	5.7	228.1	0	
2005-May-23	1:52	142	5.4	204.0	9.18	5.3	230.9	0	
2005-May-23	1:52	151	5.2	206.7	13.24	12.4	235.0	0	
2005-May-23	1:53	206	6.1	209.5	11.62	6.0	238.2	0	
2005-May-23	1:53	266	6.3	212.5	13.11	5.9	241.2	0	
2005-May-23	1:54	192	6.2	215.8	9.92	5.9	244.2	0	
2005-May-23	1:54	133	6.0	218.9	10.13	5.2	247.3	0	
2005-May-23	1:55	298	6.6	222.1	14.52	6.3	250.5	0	
2005-May-23	1:55	201	6.6	225.4	11.11	6.2	253.5	0	
2005-May-23	1:56	206	6.6	228.7	11.55	5.6	255.9	0	
2005-May-23	1:56	179	6.2	231.9	11.68	6.1	258.9	0	
2005-May-23	1:57	233	6.2	235.0	12.27	6.0	261.9	0	
2005-May-23	1:57	192	6.2	238.1	11.48	6.2	264.8	0	
2005-May-23	1:58	247	6.6	241.3	13.11	6.2	267.9	0	
2005-May-23	1:58	224	6.6	244.6	12.37	5.7	270.9	0	
2005-May-23	1:59	220	6.1	247.8	12.10	6.0	273.8	0	
2005-May-23	1:59	279	6.1	250.9	12.72	5.1	276.7	0	
2005-May-23	2:00	174	6.6	254.1	11.08	6.1	279.5	0	
2005-May-23	2:00	160	6.6	257.4	12.49	5.7	282.4	0	
2005-May-23	2:01	238	6.1	260.5	14.55	5.9	285.6	0	
2005-May-23	2:01								End Lead Slurry
2005-May-23	2:01	275	6.2	260.6	14.24	7.2	285.7	0	
2005-May-23	2:01	233	5.9	260.7	13.69	7.4	285.8	0	
2005-May-23	2:01								Reset Total, Vol = 260.67 bbl
2005-May-23	2:01								Start Mixing Tail Slurry

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Well		Field			Service Date		Customer		Job Number	
Kirk 'A' #4		Archer			05143-May-23		OXY USA, INC.		2205548866	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbt/min	bbt	lb/gal	bbt/min	bbt	0		
2005-May-23	2:01	233	5.5	0.2	13.98	8.3	0.3	0		
2005-May-23	2:01	307	6.4	2.7	13.47	6.1	2.9	0		
2005-May-23	2:02	311	6.0	6.0	14.61	5.9	6.1	0		
2005-May-23	2:02	330	5.8	8.8	15.77	5.6	8.9	0		
2005-May-23	2:03	266	5.8	11.7	14.64	5.9	11.8	0		
2005-May-23	2:03	343	6.2	14.9	15.32	5.8	14.9	0		
2005-May-23	2:04	366	6.3	18.0	15.91	6.3	18.0	0		
2005-May-23	2:04	352	6.5	21.3	15.67	6.3	21.1	0		
2005-May-23	2:05	352	6.5	24.5	15.65	6.5	24.3	0		
2005-May-23	2:05	325	6.6	27.8	15.39	6.2	27.4	0		
2005-May-23	2:06	41	3.6	30.3	-3.14	0.0	29.3	0		
2005-May-23	2:06	23	0.0	30.7	-3.14	0.0	29.3	0		
2005-May-23	2:07	18	0.0	30.7	4.61	1.8	29.8	0		
2005-May-23	2:07	14	0.0	30.7	4.71	3.3	30.7	0		
2005-May-23	2:08	9	0.0	30.7	4.66	8.1	33.9	0		
2005-May-23	2:08	5	0.0	30.7	4.80	6.3	35.0	0		
2005-May-23	2:08								End Tail Slurry	
2005-May-23	2:08	5	0.0	30.7	4.78	6.3	35.2	0		
2005-May-23	2:08								Reset Total, Vol = 30.69 bbl	
2005-May-23	2:08	5	0.0	0.0	4.77	4.0	1.0	0		
2005-May-23	2:09	5	0.0	0.0	4.82	6.1	3.8	0		
2005-May-23	2:09	5	0.0	0.0	4.89	2.2	5.4	0		
2005-May-23	2:10	5	0.0	0.0	4.80	7.2	7.7	0		
2005-May-23	2:10	5	0.0	0.0	4.84	4.2	9.4	0		
2005-May-23	2:11	5	0.0	0.0	4.80	7.5	12.2	0		
2005-May-23	2:11	5	0.0	0.0	4.87	3.0	15.0	0		
2005-May-23	2:12	5	0.0	0.0	4.87	3.4	16.6	0		
2005-May-23	2:12	5	0.0	0.0	4.87	2.2	18.3	0		
2005-May-23	2:13	5	0.0	0.0	4.88	2.1	19.4	0		
2005-May-23	2:13	9	0.0	0.0	4.91	2.6	20.5	0		
2005-May-23	2:14	9	0.1	0.0	4.93	10.4	23.2	0		
2005-May-23	2:14	14	1.1	1.2	-3.14	0.0	24.3	0		
2005-May-23	2:15	9	3.0	2.5	-3.14	0.0	24.3	0		
2005-May-23	2:15	14	0.7	4.2	-3.15	0.0	24.3	0		
2005-May-23	2:16	5	0.0	5.5	-3.14	0.0	24.3	0		
2005-May-23	2:16	5	0.0	5.5	-3.14	0.0	24.3	0		
2005-May-23	2:17	14	1.9	6.4	8.02	3.0	25.2	0		
2005-May-23	2:17	137	6.6	9.5	9.12	2.1	26.6	0		
2005-May-23	2:18	128	6.6	12.8	9.59	3.0	28.4	0		
2005-May-23	2:18	41	6.6	16.1	10.14	5.0	33.4	0		
2005-May-23	2:19	156	6.6	19.4	13.84	0.3	33.7	0		
2005-May-23	2:19	156	6.6	22.7	13.86	0.2	33.9	0		
2005-May-23	2:20								Drop Top Plug	
2005-May-23	2:20	146	6.6	25.8	13.87	0.2	34.0	0		
2005-May-23	2:20	156	6.6	25.9	13.87	0.2	34.0	0		
2005-May-23	2:20								Start Displacement	
2005-May-23	2:20	151	6.6	26.0	13.87	0.2	34.0	0		
2005-May-23	2:20	110	6.6	29.3	13.88	0.2	34.1	0		
2005-May-23	2:21	114	6.6	27.2	13.89	0.2	34.2	0		
2005-May-23	2:21	124	6.6	30.5	13.89	0.2	34.3	0		
2005-May-23	2:22	133	6.6	33.8	13.91	0.2	34.4	0		
2005-May-23	2:22	146	6.6	37.1	13.91	0.2	34.5	0		
2005-May-23	2:23	160	6.6	40.4	13.91	0.2	34.7	0		
2005-May-23	2:23	169	6.6	43.7	13.91	0.2	34.7	0		

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Well		Field			Service Date		Customer		Job Number	
Kirk 'A' #4		Archer			05143-May-23		OXY USA, INC.		2205548668	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbt/min	bbbl	lb/gal	bbt/min	bbbl	0		
2005-May-23	2:24	179	6.8	47.0	13.93	0.2	34.8	0		
2005-May-23	2:24	183	6.6	50.4	13.94	0.2	34.9	0		
2005-May-23	2:25	201	6.6	53.8	13.94	0.1	35.0	0		
2005-May-23	2:25	211	6.6	57.1	13.94	0.1	35.1	0		
2005-May-23	2:26	238	6.6	60.4	13.95	0.1	35.1	0		
2005-May-23	2:26	238	6.6	63.7	13.95	0.1	35.1	0		
2005-May-23	2:27	270	6.6	67.0	13.97	0.1	35.2	0		
2005-May-23	2:27	284	6.6	70.3	13.98	0.1	35.2	0		
2005-May-23	2:28	288	6.6	73.6	13.99	0.1	35.3	0		
2005-May-23	2:28	316	6.6	76.9	13.99	0.1	35.3	0		
2005-May-23	2:29	330	6.6	80.2	13.99	0.0	35.4	0		
2005-May-23	2:29	352	6.6	83.5	14.00	0.1	35.4	0		
2005-May-23	2:30	366	6.6	86.8	14.01	0.1	35.4	0		
2005-May-23	2:30	407	6.6	90.1	14.03	0.1	35.5	0		
2005-May-23	2:31	407	5.6	93.2	14.04	0.1	35.5	0		
2005-May-23	2:31	417	5.6	96.0	14.04	0.1	35.5	0		
2005-May-23	2:32	357	2.5	98.6	14.05	0.1	35.6	0		
2005-May-23	2:32	385	2.5	99.9	14.05	0.1	35.6	0		
2005-May-23	2:33	380	2.5	101.1	14.06	0.0	35.6	0		
2005-May-23	2:33	385	2.5	102.3	14.07	0.0	35.6	0		
2005-May-23	2:34	389	2.5	103.6	14.08	0.0	35.6	0		
2005-May-23	2:34	394	2.5	104.8	14.09	0.0	35.7	0		
2005-May-23	2:35	417	2.3	106.0	14.11	0.0	35.7	0		
2005-May-23	2:35	421	2.3	107.2	14.11	0.1	35.7	0		
2005-May-23	2:36	430	2.3	108.4	14.13	0.0	35.7	0		
2005-May-23	2:36	856	0.0	109.3	14.14	0.0	35.7	0		
2005-May-23	2:37								Bump Top Plug	
2005-May-23	2:37	851	0.0	109.3	14.15	0.1	35.8	0		
2005-May-23	2:37								End Displacement	
2005-May-23	2:37	847	0.0	109.3	14.15	0.1	35.8	0		
2005-May-23	2:37	838	0.0	109.3	14.15	0.0	35.8	0		
2005-May-23	2:37	847	0.0	109.3	14.15	0.0	35.8	0		
2005-May-23	2:38	0	0.0	109.3	14.16	0.1	35.8	0		
2005-May-23	2:38	0	0.0	109.3	14.17	0.1	35.8	0		
2005-May-23	2:39	0	0.0	109.3	14.17	0.1	35.8	0		
2005-May-23	2:39								Reset Total, Vol = 109.30 bbl	
2005-May-23	2:39								End Job	
2005-May-23	2:39	0	0.0	0.0	14.17	0.1	0.0	0		

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Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5			6.5	285		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			850		Volume	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 20 bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	285 bbl	107.3 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
Willimon, Wes			Ahrends, Timothy						

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Date	05/23/05
Company	OXY
Job Number	2205548866
Well Name	Kirk
Well Number	A 4
County	Seward
State	KS

Schlumberger

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1729	
Shoe Length	44	
Insert Depth	1685	
Hole Size	12 1/4	
Hole Depth	1725	

1st System	
615 sacks	C
2.18 yield	D132,D20,S1,D29
12.2 weight	
12.3 water	180
cubic ft.	1341
height	3249
bbls	239

Pipe Volume	110
237 Annular Volume	127
Total Cement	285
Total Water	317

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

2nd System	
195 sacks	C
1.34 yield	S1,D29
14.8 weight	
6.3 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift 710
Cement lift 410

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

Test 2000

0 Mud

10 Spacer

239 Lead 12.2

47 Tail 14.8

107.3 Displacement

1500 Maximum Pressure

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

Pump time @ 6 BPM

65 MIN

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Cementing Service Report

Customer: OXY USA, INC						Job Number: 2205548863				
Well: Kirk 'A' 4			Location (legal): Sec 30 - 34S - 33W			Schlumberger Location: Perryton, TX			Job Start: 2005-May-31	
Field: Archer		Formation Name/Type:			Deviation: °		Bit Size: 7.88 in	Well MD: 6,468 ft	Well TVD: 6,468 ft	
County: Seward		State/Province: Kansas			BHP: psi	BHST: 147 °F	BHCT: °F	Pore Press. Gradient: psi/ft		
Well Master: 0630650730		API / UWI:			Casing/Liner					
Rig Name: MURFIN 20		Drilled For: Gas		Service Via: Land		Depth, ft: 6446.55	Size, in: 4.5	Weight, lb/ft: 10.5	Grade:	Thread:
Offshore Zone:		Well Class: New	Well Type: Development			Tubing/Drill Pipe				
Drilling Fluid Type: Bentonite		Max. Density: 9.3 lb/gal	Plastic Vt: 33	cp:	Depth, ft:	Size, in:	Weight, lb/ft:	Grade:	Thread:	
Service Line: Cementing		Job Type: Cem Prod Casing				Perforations/Open Hole				
Max. Allowed Tubing Pressure: 2500 psi		Max. Allowed Ann. Pressure: psi	WellHead Connection: 4 1/2 HS&M			Top, ft:	Bottom, ft:	spf:	No. of Shots:	Total Interval: ft
Service Instructions: CEMENT 4 1/2" PRODUCTION CASING : 20 BBLs CW100 200 SKS 50/50 Poz: H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.25 %D112+ 0.25 %D65 + 0.25%D46 DISPLACE W/FRESH WATER 25 SKS 50/50 POZ H + ADDS FOR RAT & MOUSE						Treat Down Casing:	Displacement: 101.8 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: 600 psi		Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>			Shoe Type: Auto-Fill		Squeeze Type:		
No. Centralizers:		Top Plugs: 1	Bottom Plugs: 1			Shoe Depth: 6402.74 ft		Tool Type:		
Cement Head Type: Single		Job Scheduled For: 2005-May-31 18:00				Arrived on Location: 2005-Jun-01 1:40		Leave Location:	Stage Tool Type: ft	
Job Scheduled For: 2005-May-31 18:00		Arrived on Location: 2005-Jun-01 1:40	Leave Location:			Stage Tool Depth: ft		Tail Pipe Size: in	Tool Depth: ft	
Job Scheduled For: 2005-May-31 18:00		Arrived on Location: 2005-Jun-01 1:40	Leave Location:			Collar Type: ft		Tail Pipe Depth: ft	Collar Depth: ft	
Job Scheduled For: 2005-May-31 18:00		Arrived on Location: 2005-Jun-01 1:40	Leave Location:			Collar Depth: ft		Sqz Total Vol: bbl	Open Hole Vol: 364 bbl	
Date	Time	Density	Rate	CMT TREAT PRES	CMT VOL	0	0	0	Message	
2005-May-31	23:21	7.77	0.3	0	0.0	0	0	0		
2005-May-31	23:21	7.57	0.3	0	0.0	0	0	0		
2005-May-31	23:21								Start Job	
2005-May-31	23:21								Pressure Test Lines	
2005-May-31	23:21	7.54	0.3	0	0.0	0	0	0		
2005-May-31	23:21	7.81	0.3	0	0.0	0	0	0		
2005-May-31	23:21								Start Pumping Wash	
2005-May-31	23:22	7.68	0.3	0	0.2	0	0	0		
2005-May-31	23:22	7.56	0.3	0	0.4	0	0	0		
2005-May-31	23:23	7.27	0.3	0	0.7	0	0	0		
2005-May-31	23:24	6.00	0.3	0	1.0	0	0	0		
2005-May-31	23:25	6.70	0.3	5	1.2	0	0	0		
2005-May-31	23:26	6.65	0.3	9	1.4	0	0	0		
2005-May-31	23:27	7.94	0.2	14	1.6	0	0	0		
2005-May-31	23:27	8.47	0.2	613	2.1	0	0	0		
2005-May-31	23:28	7.85	0.0	3749	2.1	0	0	0		
2005-May-31	23:29	5.56	0.3	9	2.2	0	0	0		
2005-May-31	23:30	8.46	1.4	96	2.6	0	0	0		
2005-May-31	23:31	8.43	5.9	430	5.2	0	0	0		
2005-May-31	23:32	8.48	5.5	215	10.0	0	0	0		
2005-May-31	23:32	8.43	5.6	311	14.6	0	0	0		

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Well		Field			Service Date		Customer		Job Number
Kirk 'A' #4		Archer			05151-May-31		OXY USA, INC.		2205548863
Date	Time	Density	Rate	CMT TREAT PRES	CMT VOL	0	0	0	Message
	24 hr clock	lb/gal	bbf/min	psi	bbf	0	0	0	
2005-May-31	23:33	8.49	5.4	316	19.2	0	0	0	
2005-May-31	23:34	8.48	0.1	32	22.3	0	0	0	
2005-May-31	23:34								End Wash
2005-May-31	23:34								Reset Total, Vol = 22.28 bbl
2005-May-31	23:34	8.48	0.3	27	22.3	0	0	0	
2005-May-31	23:34	8.48	0.2	23	0.0	0	0	0	
2005-May-31	23:34								rat and mouse hole
2005-May-31	23:34	8.48	0.3	23	0.0	0	0	0	
2005-May-31	23:35	8.47	0.4	69	0.4	0	0	0	
2005-May-31	23:36	8.44	0.0	119	0.4	0	0	0	
2005-May-31	23:37	8.39	0.0	119	0.4	0	0	0	
2005-May-31	23:37	8.35	0.0	114	0.4	0	0	0	
2005-May-31	23:38	8.34	0.0	114	0.4	0	0	0	
2005-May-31	23:39	8.66	0.5	14	0.6	0	0	0	
2005-May-31	23:40	12.29	0.6	5	1.0	0	0	0	
2005-May-31	23:41	12.69	0.7	92	1.5	0	0	0	
2005-May-31	23:42	12.66	0.6	18	2.0	0	0	0	
2005-May-31	23:42	12.10	0.6	14	2.5	0	0	0	
2005-May-31	23:43	13.16	0.5	0	2.9	0	0	0	
2005-May-31	23:44	13.18	0.5	5	3.3	0	0	0	
2005-May-31	23:45	13.11	0.5	92	3.8	0	0	0	
2005-May-31	23:46	12.81	0.3	23	4.2	0	0	0	
2005-May-31	23:47	12.63	0.3	14	4.6	0	0	0	
2005-May-31	23:47	12.70	0.3	14	4.8	0	0	0	
2005-May-31	23:47								Reset Total, Vol = 4.79 bbl
2005-May-31	23:47								Start Cement Slurry
2005-May-31	23:47	12.59	0.3	14	0.0	0	0	0	
2005-May-31	23:47	12.58	0.7	46	0.1	0	0	0	
2005-May-31	23:48	9.89	4.3	224	3.1	0	0	0	
2005-May-31	23:49	12.29	4.3	215	6.7	0	0	0	
2005-May-31	23:50	13.39	4.3	238	10.4	0	0	0	
2005-May-31	23:51	13.84	4.3	192	14.0	0	0	0	
2005-May-31	23:52	13.61	4.4	146	17.6	0	0	0	
2005-May-31	23:53	13.75	4.4	156	21.3	0	0	0	
2005-May-31	23:53	13.89	4.3	156	24.9	0	0	0	
2005-May-31	23:54	13.90	4.4	146	28.5	0	0	0	
2005-May-31	23:55	13.52	4.4	133	32.1	0	0	0	
2005-May-31	23:56	13.80	4.3	142	35.8	0	0	0	
2005-May-31	23:57	13.77	4.3	124	39.4	0	0	0	
2005-May-31	23:58	13.61	4.4	151	43.0	0	0	0	
2005-May-31	23:58	13.69	4.4	137	46.6	0	0	0	
2005-May-31	23:59	13.77	4.3	142	50.3	0	0	0	
2005-Jun-01	0:00	13.78	4.3	137	53.9	0	0	0	
2005-Jun-01	0:01	13.79	4.3	146	57.6	0	0	0	
2005-Jun-01	0:02	13.72	4.4	133	61.2	0	0	0	
2005-Jun-01	0:03	13.84	4.3	137	64.8	0	0	0	
2005-Jun-01	0:03								End Cement Slurry
2005-Jun-01	0:03	3.74	3.5	73	68.1	0	0	0	
2005-Jun-01	0:03								Reset Total, Vol = 68.14 bbl
2005-Jun-01	0:03	0.75	1.2	14	68.1	0	0	0	
2005-Jun-01	0:03	0.32	0.1	5	0.0	0	0	0	
2005-Jun-01	0:04	0.15	0.3	0	0.1	0	0	0	
2005-Jun-01	0:04								wash pump and lines

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Well		Field			Service Date		Customer		Job Number
Kirk 'A' #4		Archer			05151-May-31		OXY USA, INC.		2205548863
Date	Time	Density	Rate	GMT TREAT PRES	GMT VOL	0	0	0	Message
	24 hr clock	lb/gal	bbf/min	psi	bbf	0	0	0	
2005-Jun-01	0:04	0.15	0.7	-5	0.5	0	0	0	
2005-Jun-01	0:05	0.15	0.7	37	1.0	0	0	0	
2005-Jun-01	0:06	0.15	0.4	-5	1.5	0	0	0	
2005-Jun-01	0:07	8.95	4.1	137	3.1	0	0	0	
2005-Jun-01	0:08	8.57	4.3	124	7.1	0	0	0	
2005-Jun-01	0:08	8.47	4.3	128	10.8	0	0	0	
2005-Jun-01	0:09	8.49	4.3	124	14.5	0	0	0	
2005-Jun-01	0:10	8.45	4.3	124	18.1	0	0	0	
2005-Jun-01	0:11	8.47	6.0	215	22.6	0	0	0	
2005-Jun-01	0:12	8.49	6.0	220	27.5	0	0	0	
2005-Jun-01	0:13	8.50	0.4	0	32.3	0	0	0	
2005-Jun-01	0:13	8.48	6.0	229	36.5	0	0	0	
2005-Jun-01	0:14	8.47	0.0	37	38.8	0	0	0	
2005-Jun-01	0:15	8.48	0.0	23	38.8	0	0	0	
2005-Jun-01	0:15								Reset Total, Vol = 38.83 bbl
2005-Jun-01	0:15	8.48	0.0	23	38.8	0	0	0	
2005-Jun-01	0:15	8.48	0.0	23	0.0	0	0	0	
2005-Jun-01	0:15								Drop Top Plug/Start Displacement
2005-Jun-01	0:16	8.48	0.0	18	0.0	0	0	0	
2005-Jun-01	0:17	8.50	2.6	46	0.5	0	0	0	
2005-Jun-01	0:18	8.49	5.9	128	5.3	0	0	0	
2005-Jun-01	0:18	8.49	5.9	110	10.2	0	0	0	
2005-Jun-01	0:19	8.49	5.9	101	15.2	0	0	0	
2005-Jun-01	0:20	8.49	5.9	101	20.1	0	0	0	
2005-Jun-01	0:21	8.49	5.9	101	25.0	0	0	0	
2005-Jun-01	0:22	8.48	5.9	92	30.0	0	0	0	
2005-Jun-01	0:23	8.49	5.9	101	34.9	0	0	0	
2005-Jun-01	0:23	8.49	5.9	105	39.8	0	0	0	
2005-Jun-01	0:24	8.49	5.9	105	44.7	0	0	0	
2005-Jun-01	0:25	8.49	5.9	96	49.7	0	0	0	
2005-Jun-01	0:26	8.49	5.9	101	54.6	0	0	0	
2005-Jun-01	0:27	8.49	5.9	105	59.5	0	0	0	
2005-Jun-01	0:28	8.49	5.9	101	64.4	0	0	0	
2005-Jun-01	0:28	8.49	5.9	110	69.3	0	0	0	
2005-Jun-01	0:29	8.49	5.8	211	74.2	0	0	0	
2005-Jun-01	0:30	8.49	5.8	311	79.1	0	0	0	
2005-Jun-01	0:31	8.49	5.7	403	83.8	0	0	0	
2005-Jun-01	0:32	8.49	5.7	485	88.6	0	0	0	
2005-Jun-01	0:33	8.48	2.6	508	91.7	0	0	0	
2005-Jun-01	0:33	8.49	2.3	389	93.7	0	0	0	
2005-Jun-01	0:34	8.49	2.3	407	95.7	0	0	0	
2005-Jun-01	0:35	8.49	2.3	453	97.6	0	0	0	
2005-Jun-01	0:36	8.49	2.3	499	99.5	0	0	0	
2005-Jun-01	0:37	8.49	2.3	645	101.5	0	0	0	
2005-Jun-01	0:38	8.49	1.7	609	102.5	0	0	0	
2005-Jun-01	0:38	8.50	0.0	577	103.0	0	0	0	
2005-Jun-01	0:39	8.17	0.3	5	103.1	0	0	0	
2005-Jun-01	0:40	8.35	0.3	5	103.2	0	0	0	
2005-Jun-01	0:40								Bump Top Plug/End Displacement
2005-Jun-01	0:40	8.34	0.3	5	103.3	0	0	0	
2005-Jun-01	0:40								Reset Total, Vol = 103.30 bbl

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Well		Field			Service Date		Customer		Job Number	
Kirk 'A' #4		Archer			05151-May-31		OXY USA, INC.		2205548863	
Date	Time	Density	Rate	CMT TREAT PRES	CMT VOL	0	0	0	Message	
	24 hr clock	lb/gal	bbbl/min	psi	bbbl	0	0	0		
2005-Jun-01	0:40								End Job	
2005-Jun-01	0:40	8.29	0.3	0	0.0	0	0	0		
2005-Jun-01	0:40	8.16	0.3	5	0.1	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			4.5	55	0	20				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
3000		240	1500		bbbl	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						
%	55 bbl	101.8 bbl	°F							
Customer or Authorized Representative			Schlumberger Supervisor		Tan, Naveen		<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			
Willimon, Wes										

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Schlumberger

Date	06/18/05
Company	OXY
Job Number	2205546198
Well Name	Hunt
Well Number	F 1
County	Seward
State	KS

Pipe Size	4 1/2	
Pipe Weight	10.5	11.6
Pipe Depth	2978	
Shoe Length	85	
Insert Depth	2893	
Hole Size	7 7/8	
Hole Depth	6300	

1st System	
265 sacks	H
1.55 yield	
13.8 weight	
7.1 water	44.8
cubic ft.	411
height	1803
bbls	73.2

168	Pipe Volume	47
	Annular Volume	121
	Total Cement	73
	Total Water	91

Pipe Factor	0.01594	0.01554
Annular Factor	0.0406	
Height Factor	4.3898	

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

Casing lift 1966
Cement lift 683

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

Test 3000

0 Mud

20 Chemical Wash

73 Lead 13.8

0 Tail 0

46.1 Displacement

2000 Maximum Pressure

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

Pump Time @ 5 BPM 24 MIN

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Cement Callsheet

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COMPANY	Oxy USA			API NUMBER						
H2S WELL ?	CONTRACTOR		COUNTY		Seward	STATE	Kansas			
LEASE	Kirk		WELL #	A-4	SEC	30	TWP	34	RANGE	33S
DIRECTIONS	Liberal, Kansas--jct of Western Avenue & Tucker Road--1 mile North--1 mile West--1 1/4 mile South--									
East into										
<i>278</i>										

Surface	Long String	Squeeze	Casing Size	Thread	Weight
1725' bottom			5 1/2"		
PTA	Port Collar	Liner	Tubing /Drill Pipe Size	Thread	Weight
	3078		2 3/8"		
Equipment	Packer		Bridge Plug	Plug Container	
	Swage		Mud	Squeeze Manifold	
	YES				

Remarks: **Customer will have 240 bbl water on location**

CEMENT DATA

LEAD	Weight PPG	Type	Additives:	
	13.8 ppg	50/50 poz (premium)	5# Calset, 5# Gilsonite, 3% Kcl, .25% Defoamer, .8% FLA-322, 2% gel (total)	
Sacks	Excess	Yeild Ft3/sk	Water Gal/sk	
355 sk		1.45 cuft/sk	6.39 gallons	
TAIL	Weight PPG	Type	Additives:	
Sacks	Excess	Yeild Ft3/sk	Water Gal/sk	
LEAD	Weight PPG	Type	Additives:	
Sacks	Excess	Yeild Ft3/sk	Water Gal/sk	

RECEIVED
SEP 12 2005
KCC WICHITA

FLOAT EQUIPMENT

PART #	SIZE	DESCRIPTION	#USED	# RETURNED

Ordered By	Wes Willimon 620-655-1756	Date of Job	6-9-05
Call Taken By	Dirk	Time Ready	RTP Noon
Operator or Driver Called		Call Out Time	



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SEP 08 2005
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TREATMENT REPORT

ORIGINAL

Field Order # 9877	Station LIBERAL	Casing 5 1/2	Depth 3078	Customer ID	Date 5-9-05
Type Job POST COLLOID (WU)	Formation	Lease Kirk	County SEWARD	Customer LXY-USA	Lease No.
	Legal Description 30-34-33S		State KS		Well # A-4

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	Depth	Acid	Pre Pad	RATE	PRESS	ISIP
5 1/2	2 1/8	P.C.	3078	355 SR S/S/SOPOZ	(92)			5 Min.
Depth	Volume	From	To	Pad		Max		10 Min.
	11.9			Frac		Min		15 Min.
Max Press	Annulus Vol.	From	To	Flush		Avg		Annulus Pressure
				WATER		HHP Used		Total Load
Well Connection	Packer-Depth	From	To			Gas Volume		
	P.C. 3078							

Customer Representative W. Williamson	Station Manager JERRY BENNETT	Treater Shawn FREDERICK
--	----------------------------------	----------------------------

Service Units: 114 227 338 571

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200					ON LOCATION
1205					RIG UP P.T.
1210					PRE-JOB SAFETY MEETING
1245		2000	3	2	PSI TEST P.C.
1250					OPEN P.C.
1255		600	12	3 1/2	Pump 12 BBLs H ₂ O / BLOW DOWN
1301		400	100	3 1/2	Pump 50 BBLs S/S/SOPOZ from C13.8"
1318		400	(50 BBLs)	3 1/2	lit to P.T.
1340		500	11	2	Pump 10 p
1348		1000			SHOT DOWN / CLOSE P.C.
1350		2000			TEST P.C.
1352					RUN IN 2 JNTS. TUBING
1355	500		25	3	REVERSE OUT
1402		2000			PSI TEST P.C.
1407					HELD 5 min
1400					WASH Lines TO P.T.
1430					JOB Complete

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SEP 12 2005