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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

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Pending
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 SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____

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. _____
06/07/06 06/17/06 09/14/06
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-22049-0001
County: Seward
SW - SE - SE Sec 9 Twp. 32 S. R. 34W
330 feet from (S) N (circle one) Line of Section
900 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Downing A Well #: 5
Field Name: Hugoton Chase
Producing Formation: Chase
Elevation: Ground: 2906 Kelly Bushing: 2917
Total Depth: 6325 Plug Back Total Depth: 3119
Amount of Surface Pipe Set and Cemented at 1750 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 ATI NJ 1-30-09
(Data must be collected from the Reserve Pit)
Chloride content 1200 mg/l ppm Fluid volume 1500 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 09/29/06
Subscribed and sworn to before me this 29th day of Sept
20 06
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2009

KCC Office Use Only
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
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ANITA PETERSON
Notary Public - State of Kansas
My Appt. Expires October 1, 2009

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Side Two

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

Sec. 9 Twp. 32 S. R. 34W 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 <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2609	308
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	4173	-1256
List All E. Logs Run:	Induction Annular Hole Vol	Toronto	4200	-1283
	Sonic Neutron Microlog	Lansing	4308	-1391
Geological Report	CBL	Marmaton	4990	-2073
		Cherokee	5156	-2239
		Atoka	5314	-2397
		(See Side Three)		

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	1750	C	585	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	5 1/2	17	3198	C	150	35/65 Poz + 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 <i>(Amount and Kind of Material Used)</i>	Depth
4	2747-2752, 2761-2769, 2782-2796	97 bbls 7.5% FE Acid	
2	2645-2674	Diverta Frac-13,000 gls 15# Linear Gel,	
4	2620-2627, 2584-2590	19,900# 100 Mesh Sand	
		24,490 gls 15# Linear Gel @ 75% N2,	
		132,426# 16/30 Sand	

TUBING RECORD	Size 2 3/8	Set At 2840	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. Pending	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil BBLS 0	Gas Mcf 100	Water Bbls 150	Gas-Oil Ratio	Gravity
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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) _____

Side Three

Operator Name: OXY USA Inc. Lease Name: Downing A Well #: 5
Sec. 9 Twp. 32 S. R. 34W East West County: Seward

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Morrow	5544	-2627
Chester	5804	-2887
St. Genevieve	6046	-3129
St. Louis	6120	-3203

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Cementing Service Report

Customer OXY RESOURCE CALIFORNIA LLC						Job Number 2205551157				
Well DOWNING A 5			Location (legal) SEC 9-T32S-R34W			Schlumberger Location Perryton, TX		Job Start 2006-Jun-08		
Field SHUCK		Formation Name/Type			Deviation °	Bit Size 12.3 in	Well MD 1,750 ft	Well TVD 1,750 ft		
County SEWARD		State/Province KANSAS			BHP psi	BHST 96 °F	BHCT °F	Pore Press. Gradient psi/ft		
Well Master: 0630811376		API / UWI: 15175220490000			Casing/Liner					
Rig Name MURFIN 20	Drilled For Oil & Gas		Service Via Land		Depth, ft 1741.35	Size, in 8.63	Weight, lb/ft 24	Grade	Thread	
Offshore Zone	Well Class New		Well Type Development		10	8.63		LJ		
Drilling Fluid Type			Max. Density 9.3 lb/gal	Plastic Vt: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Surface Casing			Perforations/Open Hole					
Max. Allowed Tubing Pressure 1000 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 585 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130 195 SK CLASS C + 2% S001 + 0.125 pps D130									Diameter in	
					Treat Down Casing	Displacement 108.7 bbl		Packer Type	Packer Depth ft	
					Tubing Vol bbl	Casing Vol 111.62 bbl	Annular Vol. 128.82 bbl		OpenHole Vol bbl	
					Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools	
Lift Pressure: 450 psi		Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Type: Guide	Squeeze Type	
No. Centralizers: 1		Top Plugs: 1		Bottom Plugs:		Shoe Depth: 1740 ft	Tool Type:			
Cement Head Type: Single				Stage Tool Type:		Tool Depth: ft				
Job Scheduled For: 6/8/2006 8:30		Arrived on Location: 2006-Jun-08 8:00		Leave Location: 2006-Jun-08		Stage Tool Depth: ft	Tail Pipe Size: in			
						Collar Type: Auto-Fill	Tail Pipe Depth: ft			
						Collar Depth: 1695 ft	Sqz Total Vol: bbl			
Date	Time	Treating Pressure 24 hr clock psi	Density lb/gal	Triplex Rate bbl/min	Triplex Volume bbl	Flowmeter Rate bbl/min	Flowmeter Volume bbl	0	Message	
2006-Jun-08	10:13	-5	8.23	0.0	0.0	0.0	0.0	0	KCC Pressure Test Lines SEP 29 2006 CONFIDENTIAL RECEIVED OCT - 2 2006 KCC WICHITA	
2006-Jun-08	10:13							0		
2006-Jun-08	10:13	-5	8.23	0.0	0.0	0.0	0.0	0		
2006-Jun-08	10:13	-5	8.23	0.0	0.0	0.0	0.0	0		
2006-Jun-08	10:14	-5	8.23	0.0	0.0	0.0	0.0	0		
2006-Jun-08	10:14	-5	8.23	0.0	0.0	0.0	0.0	0		
2006-Jun-08	10:14	-5	8.23	0.0	0.0	0.0	0.0	0		
2006-Jun-08	10:15	0	8.21	0.0	0.0	0.5	0.0	0		
2006-Jun-08	10:15	50	8.22	0.0	0.0	3.0	0.3	0		
2006-Jun-08	10:15	14	8.23	0.0	0.0	0.1	1.1	0		
2006-Jun-08	10:16	151	8.23	0.0	0.0	0.0	1.1	0		
2006-Jun-08	10:16	1433	8.23	0.0	0.0	0.0	1.1	0		
2006-Jun-08	10:16	188	8.22	0.0	0.0	0.0	1.1	0		
2006-Jun-08	10:17	50	8.23	0.0	0.0	3.1	0.1	0		
2006-Jun-08	10:17	96	8.21	5.2	0.7	4.7	1.2	0		
2006-Jun-08	10:17	78	8.22	5.1	2.5	5.2	2.9	0		
2006-Jun-08	10:17								Start Pumping Spacer	
2006-Jun-08	10:17	73	8.22	5.1	3.5	5.2	4.0	0		
2006-Jun-08	10:18	78	8.22	5.1	4.2	5.3	4.7	0		
2006-Jun-08	10:18	73	8.22	5.1	5.9	5.2	6.5	0		
2006-Jun-08	10:18	78	8.22	5.2	7.6	5.2	8.2	0		
2006-Jun-08	10:19	78	8.22	5.2	9.3	5.3	10.0	0		

Well		Field			Service Date		Customer		Job Number
DOWNING A #5		SHUCK			06159-Jun-08		OXY RESOURCE CALIFORNIA LLC		2205551157
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	Flowmeter Rate	Flowmeter Volume	0	Message
	24 hr clock	psl	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jun-08	10:19								Reset Total, Vol = 10.88 bbl
2006-Jun-08	10:19	87	8.88	5.2	10.9	5.3	11.5	0	
2006-Jun-08	10:19								Start Mixing Lead Slurry
2006-Jun-08	10:19	87	9.01	5.2	0.2	5.3	0.2	0	
2006-Jun-08	10:19	101	10.17	5.2	1.5	5.2	1.6	0	
2006-Jun-08	10:20	105	11.11	5.1	3.3	5.2	3.3	0	
2006-Jun-08	10:20	114	11.84	5.1	5.0	5.1	5.0	0	
2006-Jun-08	10:20	124	12.35	5.2	6.7	5.3	6.7	0	
2006-Jun-08	10:21	124	12.65	5.2	8.4	5.2	8.4	0	
2006-Jun-08	10:21	119	12.36	5.2	10.1	5.2	10.2	0	
2006-Jun-08	10:21	110	12.15	5.2	11.9	5.3	11.9	0	
2006-Jun-08	10:22	105	12.01	5.2	13.6	5.2	13.7	0	
2006-Jun-08	10:22	101	12.22	5.2	15.3	5.2	15.4	0	
2006-Jun-08	10:22	105	12.60	5.2	17.1	5.4	17.2	0	
2006-Jun-08	10:23	105	12.63	5.2	18.8	5.3	18.9	0	
2006-Jun-08	10:23	96	12.42	5.3	20.6	5.3	20.7	0	
2006-Jun-08	10:23	92	12.27	5.3	22.3	5.3	22.4	0	
2006-Jun-08	10:24	92	12.12	5.3	24.1	5.3	24.2	0	
2006-Jun-08	10:24	92	12.06	5.3	25.8	5.3	26.0	0	
2006-Jun-08	10:24	92	12.02	5.3	27.6	5.3	27.8	0	
2006-Jun-08	10:25	92	12.02	5.3	29.3	5.4	29.5	0	
2006-Jun-08	10:25	92	11.96	5.3	31.1	5.3	31.3	0	
2006-Jun-08	10:25	92	11.97	5.3	32.8	5.4	33.1	0	
2006-Jun-08	10:26	92	12.08	5.3	34.6	5.4	34.9	0	
2006-Jun-08	10:26	92	12.14	5.3	36.4	5.3	36.6	0	
2006-Jun-08	10:26	92	12.13	5.3	38.1	5.4	38.4	0	
2006-Jun-08	10:27	92	12.13	5.3	39.9	5.4	40.2	0	
2006-Jun-08	10:27	92	12.14	5.3	41.7	5.3	42.0	0	
2006-Jun-08	10:27	92	12.14	5.3	43.5	5.3	43.8	0	
2006-Jun-08	10:28	92	12.14	5.3	45.2	5.4	45.6	0	
2006-Jun-08	10:28	96	12.30	5.3	47.0	5.3	47.4	0	
2006-Jun-08	10:28	96	12.30	5.3	48.8	5.3	49.1	0	
2006-Jun-08	10:29	96	12.22	5.3	50.6	5.4	50.9	0	
2006-Jun-08	10:29	96	12.16	5.3	52.3	5.4	52.7	0	
2006-Jun-08	10:29	96	12.14	5.3	54.1	5.4	54.5	0	
2006-Jun-08	10:30	96	12.13	5.3	55.9	5.4	56.3	0	
2006-Jun-08	10:30	96	12.08	5.3	57.7	5.3	58.1	0	
2006-Jun-08	10:30	92	11.94	5.3	59.4	5.4	59.9	0	
2006-Jun-08	10:31	92	11.89	5.3	61.2	5.4	61.7	0	
2006-Jun-08	10:31	96	12.05	5.3	63.0	5.4	63.5	0	
2006-Jun-08	10:31	101	12.32	5.3	64.8	5.4	65.3	0	
2006-Jun-08	10:32	101	12.40	5.3	66.6	5.4	67.1	0	
2006-Jun-08	10:32	96	11.94	5.4	68.3	5.4	68.8	0	
2006-Jun-08	10:32	96	12.08	5.3	70.1	5.4	70.7	0	
2006-Jun-08	10:33	101	12.27	5.3	71.9	5.5	72.5	0	
2006-Jun-08	10:33	96	12.37	5.3	73.7	5.5	74.3	0	
2006-Jun-08	10:33	101	12.38	5.4	75.5	5.5	76.1	0	
2006-Jun-08	10:34	96	12.27	5.4	77.3	5.4	77.9	0	
2006-Jun-08	10:34	96	12.21	5.4	79.0	5.4	79.7	0	
2006-Jun-08	10:34	96	12.16	5.4	80.8	5.4	81.5	0	
2006-Jun-08	10:35	92	12.11	5.4	82.6	5.4	83.3	0	
2006-Jun-08	10:35	96	12.07	5.4	84.4	5.4	85.1	0	
2006-Jun-08	10:35	96	12.08	5.4	86.2	5.4	86.9	0	
2006-Jun-08	10:36	96	12.11	5.4	88.0	5.4	88.7	0	

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Well			Field		Service Date		Customer		Job Number
DOWNING A #5			SHUCK		06159-Jun-08		OXY RESOURCE CALIFORNIA LLC		2205551157
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	Flowmeter Rate	Flowmeter Volume	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jun-08	10:36	96	12.11	5.4	89.8	5.5	90.5	0	
2006-Jun-08	10:36	96	12.13	5.4	91.6	5.4	92.3	0	
2006-Jun-08	10:37	92	12.14	5.4	93.4	5.4	94.1	0	
2006-Jun-08	10:37	96	12.14	5.4	95.2	5.4	95.9	0	
2006-Jun-08	10:37	101	12.14	5.4	97.0	5.4	97.7	0	
2006-Jun-08	10:38	96	12.14	5.4	98.8	5.4	99.6	0	
2006-Jun-08	10:38	82	12.16	5.4	100.6	5.4	101.4	0	
2006-Jun-08	10:38	96	12.14	5.4	102.4	5.4	103.2	0	
2006-Jun-08	10:39	96	12.14	5.4	104.2	5.4	105.0	0	
2006-Jun-08	10:39	96	12.11	5.4	106.0	5.4	106.8	0	
2006-Jun-08	10:39	96	12.11	5.4	107.8	5.5	108.6	0	
2006-Jun-08	10:40	96	12.11	5.4	109.6	5.4	110.5	0	
2006-Jun-08	10:40	96	12.11	5.4	111.4	5.5	112.3	0	
2006-Jun-08	10:40	96	12.11	5.4	113.2	5.5	114.1	0	
2006-Jun-08	10:41	96	12.11	5.5	115.0	5.5	115.9	0	
2006-Jun-08	10:41	96	12.08	5.4	116.8	5.4	117.7	0	
2006-Jun-08	10:41	96	12.08	5.4	118.6	5.5	119.6	0	
2006-Jun-08	10:42	92	11.81	5.4	120.4	5.4	121.4	0	
2006-Jun-08	10:42	87	11.39	5.4	122.3	5.5	123.2	0	
2006-Jun-08	10:42	87	11.47	5.4	124.1	5.5	125.0	0	
2006-Jun-08	10:43	92	11.87	5.4	125.9	5.4	126.8	0	
2006-Jun-08	10:43	101	12.27	5.4	127.7	5.5	128.6	0	
2006-Jun-08	10:43	101	12.32	5.4	129.5	5.5	130.5	0	
2006-Jun-08	10:44	96	12.19	5.4	131.3	5.4	132.3	0	
2006-Jun-08	10:44	96	12.14	5.4	133.1	5.4	134.1	0	
2006-Jun-08	10:44	96	12.13	5.4	134.9	5.4	135.9	0	
2006-Jun-08	10:45	92	11.75	5.4	136.7	5.4	137.7	0	
2006-Jun-08	10:45	87	11.28	5.4	138.5	5.6	139.5	0	
2006-Jun-08	10:45	96	11.92	5.4	140.3	5.5	141.3	0	
2006-Jun-08	10:46	96	12.36	5.4	142.1	5.6	143.2	0	
2006-Jun-08	10:46	101	12.35	5.4	143.9	5.5	145.0	0	
2006-Jun-08	10:46	96	12.17	5.4	145.7	5.4	146.8	0	
2006-Jun-08	10:47	96	12.21	5.4	147.5	5.6	148.6	0	
2006-Jun-08	10:47	96	12.28	5.4	149.3	5.5	150.5	0	
2006-Jun-08	10:47	96	12.33	5.4	151.1	5.5	152.3	0	
2006-Jun-08	10:48	96	12.33	5.4	152.9	5.5	154.1	0	
2006-Jun-08	10:48	96	12.34	5.4	154.7	5.4	155.9	0	
2006-Jun-08	10:48	96	12.22	5.4	156.5	5.4	157.8	0	
2006-Jun-08	10:49	96	12.13	5.4	158.3	5.5	159.6	0	
2006-Jun-08	10:49	96	12.08	5.4	160.1	5.5	161.4	0	
2006-Jun-08	10:49	92	11.98	5.4	161.9	5.6	163.2	0	
2006-Jun-08	10:50	96	12.22	5.4	163.7	5.4	165.0	0	
2006-Jun-08	10:50	101	12.41	5.4	165.5	5.5	166.9	0	
2006-Jun-08	10:50	101	12.53	5.4	167.3	5.6	168.7	0	
2006-Jun-08	10:51	101	12.50	5.4	169.1	5.5	170.5	0	
2006-Jun-08	10:51	101	12.36	5.4	170.9	5.4	172.3	0	
2006-Jun-08	10:51	96	12.19	5.4	172.8	5.5	174.2	0	
2006-Jun-08	10:52	96	12.04	5.4	174.6	5.5	176.0	0	
2006-Jun-08	10:52	92	11.95	5.4	176.4	5.5	177.8	0	
2006-Jun-08	10:52	96	11.92	5.4	178.2	5.4	179.7	0	
2006-Jun-08	10:53	92	11.89	5.4	180.0	5.4	181.5	0	
2006-Jun-08	10:53	96	11.96	5.4	181.8	5.5	183.3	0	
2006-Jun-08	10:53	96	12.16	5.4	183.6	5.6	185.1	0	
2006-Jun-08	10:54	92	11.92	5.5	185.4	5.5	187.0	0	

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Well			Field		Service Date		Customer		Job Number
DOWNING A #5			SHUCK		06159-Jun-08		OXY RESOURCE CALIFORNIA LLC		2205551157
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	Flowmeter Rate	Flowmeter Volume	0	Message
	24 hr clock	psi	lb/gal	bbl/mln	bbl	bbl/mln	bbl	0	
2006-Jun-08	10:54	92	11.86	5.4	187.2	5.5	188.8	0	
2006-Jun-08	10:54	92	11.90	5.4	189.0	5.4	190.6	0	
2006-Jun-08	10:55	110	13.11	5.4	190.8	5.4	192.4	0	
2006-Jun-08	10:55	110	12.97	5.4	192.6	5.5	194.2	0	
2006-Jun-08	10:55	101	12.45	5.4	194.4	5.4	196.1	0	
2006-Jun-08	10:56	101	12.26	5.4	196.2	5.5	197.9	0	
2006-Jun-08	10:56	101	12.23	5.4	198.0	5.5	199.7	0	
2006-Jun-08	10:56	101	12.31	5.4	199.8	5.4	201.5	0	
2006-Jun-08	10:57	101	12.26	5.4	201.6	5.4	203.4	0	
2006-Jun-08	10:57	101	12.03	5.4	203.4	5.4	205.2	0	
2006-Jun-08	10:57	96	11.48	5.4	205.2	5.5	207.0	0	
2006-Jun-08	10:58	96	12.01	5.4	207.0	5.4	208.8	0	
2006-Jun-08	10:58	101	12.31	5.4	208.8	5.5	210.7	0	
2006-Jun-08	10:58	105	12.63	5.4	210.6	5.5	212.5	0	
2006-Jun-08	10:58								Reset Total, Vol = 213 bbl
2006-Jun-08	10:58	105	12.69	5.4	211.0	5.5	212.8	0	
2006-Jun-08	10:58	105	12.70	5.4	0.1	5.5	0.1	0	
2006-Jun-08	10:58								Start Mixing Tail Slurry
2006-Jun-08	10:59	110	13.14	5.4	1.4	5.5	1.5	0	
2006-Jun-08	10:59	110	13.57	5.4	3.2	5.5	3.3	0	
2006-Jun-08	10:59	119	13.88	5.4	5.0	5.5	5.1	0	
2006-Jun-08	11:00	128	14.43	5.4	6.8	5.4	6.9	0	
2006-Jun-08	11:00	142	14.79	5.4	8.6	5.6	8.8	0	
2006-Jun-08	11:00	133	14.81	5.4	10.4	5.5	10.6	0	
2006-Jun-08	11:01	137	14.79	5.4	12.2	5.5	12.4	0	
2006-Jun-08	11:01	133	14.78	5.4	14.0	5.5	14.2	0	
2006-Jun-08	11:01	133	14.75	5.4	15.8	5.5	16.1	0	
2006-Jun-08	11:02	128	14.66	5.4	17.6	5.5	17.9	0	
2006-Jun-08	11:02	128	14.58	5.4	19.4	5.4	19.7	0	
2006-Jun-08	11:02	128	14.51	5.4	21.2	5.4	21.5	0	
2006-Jun-08	11:03	128	14.57	5.4	23.0	5.5	23.4	0	
2006-Jun-08	11:03	137	14.76	5.4	24.8	5.7	25.2	0	
2006-Jun-08	11:03	137	14.81	5.4	26.6	5.5	27.0	0	
2006-Jun-08	11:04	133	14.90	5.4	28.4	5.4	28.8	0	
2006-Jun-08	11:04	137	14.97	5.4	30.2	5.4	30.6	0	
2006-Jun-08	11:04	137	15.01	5.4	32.0	5.6	32.4	0	
2006-Jun-08	11:05	137	14.94	5.4	33.9	5.5	34.3	0	
2006-Jun-08	11:05	133	14.91	5.5	35.7	5.4	36.1	0	
2006-Jun-08	11:05	137	15.07	5.4	37.5	5.5	37.9	0	
2006-Jun-08	11:06	146	15.25	5.4	39.3	5.5	39.8	0	
2006-Jun-08	11:06	73	15.74	3.0	40.6	3.9	41.4	0	
2006-Jun-08	11:06	69	15.75	3.0	41.6	3.7	42.6	0	
2006-Jun-08	11:07	96	15.64	3.3	42.7	4.2	43.8	0	
2006-Jun-08	11:07								Reset Total, Vol = 43.11 bbl
2006-Jun-08	11:07	-14	15.62	0.0	43.1	0.0	44.1	0	
2006-Jun-08	11:07	-14	15.62	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:07								Drop Top Plug
2006-Jun-08	11:07								Start Displacement
2006-Jun-08	11:07	-14	15.62	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:07	-14	15.62	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:07	-14	15.62	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:08	-14	15.63	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:08	-14	13.57	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:08	-14	13.43	0.0	0.0	0.0	0.0	0	

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Well			Field		Service Date		Customer		Job Number
DOWNING A #5			SHUCK		06159-Jun-08		OXY RESOURCE CALIFORNIA LLC		2205551157
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	Flowmeter Rate	Flowmeter Volume	0	Message
	24 hr clock	psl	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jun-08	11:09	-14	12.47	0.0	0.0	0.0	0.0	0	
2006-Jun-08	11:09	87	9.05	4.9	0.4	4.5	0.6	0	
2006-Jun-08	11:09	46	8.73	5.9	2.4	5.9	2.5	0	
2006-Jun-08	11:10	41	8.87	5.9	4.3	6.0	4.5	0	
2006-Jun-08	11:10	18	8.23	5.9	6.3	5.9	6.5	0	
2006-Jun-08	11:10	23	8.24	6.0	8.3	6.2	8.5	0	
2006-Jun-08	11:11	27	8.41	5.9	10.3	6.1	10.5	0	
2006-Jun-08	11:11	27	8.43	5.9	12.2	6.1	12.6	0	
2006-Jun-08	11:11	18	8.32	6.1	14.3	6.3	14.7	0	
2006-Jun-08	11:12	27	8.24	6.1	16.3	6.2	16.7	0	
2006-Jun-08	11:12	32	8.27	6.1	18.3	6.3	18.8	0	
2006-Jun-08	11:12	46	8.27	6.1	20.4	6.2	20.9	0	
2006-Jun-08	11:13	55	8.23	6.1	22.4	6.1	22.9	0	
2006-Jun-08	11:13	41	8.24	6.0	24.4	6.0	24.9	0	
2006-Jun-08	11:13	64	8.24	6.0	26.4	5.9	26.9	0	
2006-Jun-08	11:14	50	8.24	6.0	28.4	5.9	28.8	0	
2006-Jun-08	11:14	96	8.19	6.0	30.4	5.5	30.7	0	
2006-Jun-08	11:14	73	8.19	5.9	32.4	5.9	32.7	0	
2006-Jun-08	11:15	78	8.24	5.9	34.3	5.9	34.7	0	
2006-Jun-08	11:15	87	8.24	5.8	36.2	5.9	36.6	0	
2006-Jun-08	11:15	92	8.24	5.8	38.2	5.9	38.6	0	
2006-Jun-08	11:16	105	8.24	5.7	40.1	5.9	40.6	0	
2006-Jun-08	11:16	105	8.24	5.8	42.0	5.8	42.5	0	
2006-Jun-08	11:16	114	8.24	5.7	43.9	5.8	44.4	0	
2006-Jun-08	11:17	114	8.24	5.7	45.8	5.9	46.4	0	
2006-Jun-08	11:17	128	8.24	5.7	47.7	5.8	48.3	0	
2006-Jun-08	11:17	133	8.24	5.7	49.6	5.8	50.2	0	
2006-Jun-08	11:18	137	8.24	5.7	51.5	5.8	52.2	0	
2006-Jun-08	11:18	151	8.24	5.6	53.4	5.7	54.1	0	
2006-Jun-08	11:18	156	8.24	5.6	55.3	5.7	56.0	0	
2006-Jun-08	11:19	165	8.24	5.6	57.2	5.7	57.9	0	
2006-Jun-08	11:19	174	8.24	5.6	59.0	5.7	59.8	0	
2006-Jun-08	11:19	179	8.24	5.6	60.9	5.7	61.7	0	
2006-Jun-08	11:20	188	8.24	5.6	62.8	5.6	63.6	0	
2006-Jun-08	11:20	211	8.24	5.6	64.6	5.6	65.4	0	
2006-Jun-08	11:20	206	8.24	5.5	66.5	5.6	67.3	0	
2006-Jun-08	11:21	224	8.24	5.5	68.3	5.6	69.2	0	
2006-Jun-08	11:21	243	8.24	5.4	70.1	5.5	71.0	0	
2006-Jun-08	11:21	243	8.24	5.4	72.0	5.5	72.9	0	
2006-Jun-08	11:22	252	8.24	5.4	73.8	5.5	74.7	0	
2006-Jun-08	11:22	270	8.24	5.4	75.6	5.4	76.5	0	
2006-Jun-08	11:22	288	8.24	5.8	77.4	5.8	78.3	0	
2006-Jun-08	11:23	302	8.23	5.8	79.3	5.9	80.3	0	
2006-Jun-08	11:23	311	8.23	5.8	81.3	5.9	82.2	0	
2006-Jun-08	11:23	325	8.23	5.7	83.2	5.8	84.2	0	
2006-Jun-08	11:24	339	8.23	5.7	85.1	5.7	86.1	0	
2006-Jun-08	11:24	366	8.23	5.6	87.0	5.7	88.0	0	
2006-Jun-08	11:24	362	8.23	5.6	88.8	5.6	89.9	0	
2006-Jun-08	11:25	371	8.23	5.5	90.7	5.5	91.7	0	
2006-Jun-08	11:25	389	8.23	5.5	92.5	5.5	93.6	0	
2006-Jun-08	11:25	398	8.23	5.4	94.3	5.5	95.4	0	
2006-Jun-08	11:26	426	8.23	5.3	96.1	5.4	97.2	0	
2006-Jun-08	11:26	426	8.23	5.4	97.9	5.4	99.0	0	
2006-Jun-08	11:26	435	8.23	5.4	99.8	5.5	100.8	0	

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Well		Field			Service Date		Customer		Job Number
DOWNING A #5		SHUCK			06159-Jun-08		OXY RESOURCE CALIFORNIA LLC		2205551157
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	Flowmeter Rate	Flowmeter Volume	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jun-08	11:27	403	8.23	2.2	101.1	2.3	102.3	0	
2006-Jun-08	11:27	407	8.23	2.2	101.8	2.2	103.0	0	
2006-Jun-08	11:27	421	8.23	2.2	102.6	2.2	103.8	0	
2006-Jun-08	11:28	426	8.23	2.2	103.3	2.2	104.5	0	
2006-Jun-08	11:28	412	8.23	2.2	104.1	2.2	105.2	0	
2006-Jun-08	11:28	435	8.23	2.2	104.8	2.2	106.0	0	
2006-Jun-08	11:29	439	8.23	2.2	105.6	2.2	106.7	0	
2006-Jun-08	11:29	444	8.23	2.2	106.3	2.2	107.5	0	
2006-Jun-08	11:29	453	8.23	2.2	107.1	2.2	108.2	0	
2006-Jun-08	11:30	439	8.23	2.2	107.8	2.2	108.9	0	
2006-Jun-08	11:30	938	8.23	0.4	108.5	1.8	109.7	0	
2006-Jun-08	11:30	938	8.23	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:31	934	8.23	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:31	32	8.23	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:31	0	8.23	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:32	0	5.12	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:32	0	3.05	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:32	0	2.95	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:32								Reset Total, Vol = 108.53 bbl
2006-Jun-08	11:32	0	2.97	0.0	108.5	0.0	109.7	0	
2006-Jun-08	11:32								Bump Top Plug
2006-Jun-08	11:32								Float Holding
2006-Jun-08	11:32	0	2.97	0.0	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		
5.7			6.1	256		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
450		150	950			8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	40	bbl		
%	274 bbl	108.7 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft			
Customer or Authorized Representative			Schiumberger Supervisor						
Willimon, Wes			Ousley, John				<input type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed	

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Client: Oxy USA
 Well Name: Downing A
 Well Number: 5
 Legal Location: Sec 9 -T 32S -R 34W
 Field: Shuck
 County: Seward
 State: Kansas

Job Date: 6/8/2006
 Job Number: 2205551157
 Job Type: Surface
 Hole Size: 12 1/4
 Casing Size: 8 5/8
 Total Depth: 1750
 DV Tool @

Fluid Systems

Mud:	bbl				
weight:	8.9 lb/gal				
height	0 feet				
Spacer:	10 bbl	Fresh Water			
weight:	8.33 lb/gal		volumes:	56 cuft	slurry:
yield:	cuft/sk		height:	136 feet	water:
mix req:	gal/sk				10 bbls
					10 bbls
Scav:	570 SKS	35/65 Poz C+6%D20+2%S1+0.25 pps D130			
weight:	12.2 lb/gal		volumes:	1,243 cuft	slurry:
yield:	2.18 cuft/sk		height:	3,011 feet	water:
mix req:	12.395 gal/sk				221 bbls
					168 bbls
				Thickening Time:	hr:min
Tail:	195 SKS	Class C+2%S1+0.125 pps D130			
weight:	14.8 lb/gal		volumes:	261 cuft	slurry:
yield:	1.34 cuft/sk		height:	633 feet	water:
mix req:	6.3 gal/sk				47 bbls
					29 bbls
				Thickening Time:	hr:min
Displacement:	108.70 bbl	Fresh Water		density	8.33 lb/gal
Total:	108.70 bbl				

Casing Data

O.D.	8.625 inches	CSG vol:	0.0637 bbl/ft	Ann. vol:	0.0735 bbl/ft
I.D.	8.097 inches	OH vol:	0.1458 bbl/ft		2.4228 ft/cuft
Csg Wt:	Feet volume	Shoe Joint Length			
0.0637	24 1741.35	110.92 bbls.	Csg:	44.95 feet	
0.0637	24 10.00	0.64 bbls.	Shoe:	1.00 feet	
0.0637	24	0.00 bbls.	Collar:	feet	

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Volumes

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Total Depth	1750 feet	2.35 Above Floor			
Total Pipe	1752.35 feet	111.62 bbls.	Open Hole	255.11 bbls.	
Shoe Joint	45.95 feet	2.93 bbls.	Annulus	128.82 bbls.	
Float Collar@	1706.4 feet	108.70 bbls.	Total Water	383 bbls needed	
TOC LEAD	0 ft				
TOC TAIL	1,119 ft				
Excess	106 %				

Post Job Info

Final Diff. Pressure 450 psi
 Bump Top Plug to 950 psi @ approx. 6-8-06 11:30 hours
 Circulated 40 bbls to Surface

Casing Wt (Air)	42,032 lbs.	Casing Area ID	51.4919 sq in.
Hyd PSI(Annulus)	1,197 psi	Hyd PSI(Casing)	774 psi
Csg Cross Sect.	6.9345 sq in.	#VALUE!	774
Bouyancy	8,303 lbs.	Casing Lift Pressure	655 psi
Hook Load	33,730 lbs.	Differential Lift Pressure	424 psi

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Cementing Service Report

Customer OXY RESOURCE CALIFORNIA LLC						Job Number 2205551183									
Well DOWNING A 5			Location (legal) SEC 9-T32S-R34W			Schlumberger Location Perryton, TX			Job Start 2006-Jun-18						
Field SHUCK		Formation Name/Type			Deviation °		Bit Size 7.78 in	Well MD 6,325 ft	Well TVD 6,325 ft						
County SEWARD		State/Province KANSAS			BHP psi	BHST 143 °F	BHCT °F	Pore Press. Gradient psi/ft							
Well Master: 0630811376		API / UWI:			Casing/Liner										
Rig Name MURFIN 20		Drilled For Oil & Gas		Service Via Land		Depth, ft 3201	Size, in 5.5	Weight, lb/ft 17	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 1500 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 5 1/2" H&SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft					
Service Instructions CEMENT 5 1/2" PRODUCTION CASING WITH: 20 BBLs CW100 SPACER 150 SK 35:65 POZ:C + 6% D20 + 2% S001 + 0.25pps D130 25 SKS FOR MOUSE & RAT HOLES MIX AT 12 PPG 190 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.6%D112+ 0.25%D65+0.25%D46						Diameter in	Treat Down Casing	Displacement 72.4 bbl	Packer Type	Packer Depth ft					
						Tubing Vol. bbl	Casing Vol. 74 bbl	Annular Vol. 99 bbl	Open Hole Vol. 173 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: 715 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type	
No. Centralizers:		Top Plugs: 1		Bottom Plugs: 0		Shoe Depth: 3201 ft		Tool Type:							
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft		Tall Pipe Size: in							
Job Scheduled For:		Arrived on Location: 2006-Jun-18 7:30		Leave Location: 2006-Jun-18 11:00		Collar Type:		Tall Pipe Depth: ft							
						Collar Depth: 3122 ft		Sqz Total Vol: bbl							

Date	Time	Treating Pressure 24 hr clock psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0	Message
2006-Jun-18	8:47									Start Job
2006-Jun-18	8:47	9	1.4	0.0	8.27	1.3	0.0	0		
2006-Jun-18	8:48	5	0.0	0.4	8.07	0.0	0.4	0		
2006-Jun-18	8:48	73	1.4	0.5	8.26	1.5	0.6	0		
2006-Jun-18	8:49	2975	0.0	0.6	8.28	0.0	0.6	0		
2006-Jun-18	8:49	2815	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:49									Pressure Test Lines
2006-Jun-18	8:49	2788	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:50	2682	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:50	9	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:51	5	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:52	9	0.0	0.6	8.28	0.0	0.7	0		
2006-Jun-18	8:53	201	3.0	0.8	8.18	2.5	1.0	0		
2006-Jun-18	8:53									Start Pumping Wash
2006-Jun-18	8:53	183	3.0	0.9	8.14	2.4	1.0	0		
2006-Jun-18	8:53	160	3.9	2.8	8.29	3.8	2.8	0		
2006-Jun-18	8:54	266	5.5	4.8	8.29	4.8	4.7	0		
2006-Jun-18	8:54	201	5.4	7.5	8.29	5.3	7.4	0		
2006-Jun-18	8:55	201	5.4	10.2	8.28	5.4	10.1	0		
2006-Jun-18	8:55	201	5.4	13.0	8.28	5.4	12.8	0		
2006-Jun-18	8:56	206	5.4	15.7	8.28	5.4	15.5	0		
2006-Jun-18	8:56	206	5.4	18.4	8.28	5.4	18.2	0		

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Well		Field			Service Date		Customer		Job Number
DOWNING A #5		SHUCK			06169-Jun-18		OXY RESOURCE CALIFORNIA LLC		2205551183
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	
2006-Jun-18	8:57	211	5.4	21.1	8.28	5.4	20.9	0	
2006-Jun-18	8:57	46	0.6	23.7	7.51	1.8	22.7	0	
2006-Jun-18	8:57	41	0.0	23.7	7.41	0.0	22.7	0	
2006-Jun-18	8:57								End Wash
2006-Jun-18	8:57	46	0.0	23.7	7.43	0.0	22.7	0	
2006-Jun-18	8:57								Reset Total, Vol = 23.67 bbl
2006-Jun-18	8:58	32	0.0	0.0	7.84	0.0	0.0	0	
2006-Jun-18	8:58	27	0.0	0.0	8.25	5.0	0.3	0	
2006-Jun-18	8:59	18	0.0	0.0	9.41	4.1	2.5	0	
2006-Jun-18	8:59	18	0.0	0.0	10.67	4.0	4.5	0	
2006-Jun-18	9:00	18	0.0	0.0	12.45	1.4	6.4	0	
2006-Jun-18	9:00	133	0.0	0.3	12.44	2.3	7.5	0	
2006-Jun-18	9:01	142	0.0	0.3	12.44	1.8	8.7	0	
2006-Jun-18	9:01	41	0.0	0.3	11.82	0.0	9.6	0	
2006-Jun-18	9:02	23	0.0	0.3	8.21	0.0	9.6	0	
2006-Jun-18	9:02	18	0.0	0.3	10.82	4.0	11.1	0	
2006-Jun-18	9:03	18	0.0	0.3	12.24	4.0	13.0	0	
2006-Jun-18	9:03	18	0.0	0.3	12.11	3.8	14.9	0	
2006-Jun-18	9:04	18	0.0	0.3	12.10	3.8	16.8	0	
2006-Jun-18	9:04	14	0.0	0.3	12.10	3.9	18.8	0	
2006-Jun-18	9:05	165	0.0	0.3	12.13	2.7	20.2	0	
2006-Jun-18	9:05	174	0.0	0.3	12.13	3.1	21.6	0	
2006-Jun-18	9:06	46	0.0	0.3	7.54	0.0	22.0	0	
2006-Jun-18	9:06	27	0.0	0.3	1.01	2.0	22.5	0	
2006-Jun-18	9:07	23	0.0	0.3	0.96	2.3	23.7	0	
2006-Jun-18	9:07	23	0.0	0.3	0.86	1.8	24.8	0	
2006-Jun-18	9:08	23	0.0	0.3	8.81	4.2	26.2	0	
2006-Jun-18	9:08	18	0.0	0.3	8.15	0.0	26.6	0	
2006-Jun-18	9:09	18	0.0	0.3	8.47	0.0	26.6	0	
2006-Jun-18	9:09	18	0.0	0.0	8.50	0.0	0.0	0	
2006-Jun-18	9:10	233	5.2	1.7	9.05	9.0	3.2	0	
2006-Jun-18	9:10	233	5.2	2.8	9.78	5.1	4.8	0	
2006-Jun-18	9:10								Start Mixing Lead Slurry
2006-Jun-18	9:10	243	5.2	4.3	10.71	4.8	6.2	0	
2006-Jun-18	9:11	243	5.2	6.9	11.69	4.4	8.5	0	
2006-Jun-18	9:11	247	5.2	9.5	12.66	4.8	10.8	0	
2006-Jun-18	9:12	229	5.2	12.1	12.52	4.7	13.2	0	
2006-Jun-18	9:12	192	5.2	14.7	12.21	5.0	15.6	0	
2006-Jun-18	9:13	188	5.2	17.3	12.21	4.7	18.0	0	
2006-Jun-18	9:13	165	5.2	19.8	12.22	4.7	20.4	0	
2006-Jun-18	9:14	165	5.2	22.4	12.24	4.6	22.7	0	
2006-Jun-18	9:14	174	5.2	25.0	12.26	4.8	25.1	0	
2006-Jun-18	9:15	156	5.2	27.6	12.24	4.8	27.5	0	
2006-Jun-18	9:15	160	5.2	30.2	12.22	4.7	29.8	0	
2006-Jun-18	9:16	160	5.2	32.8	12.02	4.8	32.1	0	
2006-Jun-18	9:16	165	5.2	35.4	12.54	5.0	34.6	0	
2006-Jun-18	9:17	156	5.2	38.0	11.75	4.6	36.9	0	
2006-Jun-18	9:17	165	5.2	40.5	12.32	5.0	39.1	0	
2006-Jun-18	9:18	156	5.2	43.1	12.18	4.7	41.5	0	
2006-Jun-18	9:18	151	5.2	45.7	12.01	4.5	43.8	0	
2006-Jun-18	9:19	156	5.2	48.3	12.76	4.9	46.2	0	
2006-Jun-18	9:19	156	5.2	50.9	12.15	5.0	48.7	0	
2006-Jun-18	9:20	160	5.2	53.5	12.46	4.2	51.2	0	
2006-Jun-18	9:20	169	5.2	56.1	12.71	4.8	53.6	0	

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Well			Field		Service Date		Customer		Job Number	
DOWNING A #5			SHUCK		06169-Jun-18		OXY RESOURCE CALIFORNIA LLC		2205551183	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbf/min	bbl	lb/gal	bbf/min	bbl	0		
2006-Jun-18	9:21	165	5.1	58.7	12.34	4.0	55.9	0		
2006-Jun-18	9:21								End Lead Slurry	
2006-Jun-18	9:21	137	5.2	60.0	12.49	5.0	57.1	0		
2006-Jun-18	9:21								Reset Total, Vol = 60.31 bbl	
2006-Jun-18	9:21	137	5.2	60.3	12.81	4.7	57.4	0		
2006-Jun-18	9:21	142	5.2	0.2	13.02	4.6	0.2	0		
2006-Jun-18	9:21								Start Mixing Tail Slurry	
2006-Jun-18	9:21	188	5.2	0.9	13.92	4.6	0.8	0		
2006-Jun-18	9:22	243	5.2	3.5	14.04	4.7	3.2	0		
2006-Jun-18	9:22	169	5.2	6.1	13.29	4.7	5.5	0		
2006-Jun-18	9:23	192	5.2	8.7	13.86	4.8	7.9	0		
2006-Jun-18	9:23	224	5.5	11.4	12.92	5.1	10.3	0		
2006-Jun-18	9:24	288	5.4	14.1	14.44	5.1	12.9	0		
2006-Jun-18	9:24	238	5.4	16.8	13.37	5.2	15.5	0		
2006-Jun-18	9:25	256	5.4	19.5	13.99	5.3	18.1	0		
2006-Jun-18	9:25	284	5.4	22.2	14.31	5.2	20.7	0		
2006-Jun-18	9:26	256	5.4	25.0	13.66	5.1	23.3	0		
2006-Jun-18	9:26	238	5.4	27.7	13.66	5.3	25.9	0		
2006-Jun-18	9:27	256	5.4	30.4	13.96	5.3	28.5	0		
2006-Jun-18	9:27	270	5.4	33.1	14.00	5.2	31.1	0		
2006-Jun-18	9:28	266	5.4	35.9	13.95	5.2	33.7	0		
2006-Jun-18	9:28	270	5.4	38.6	14.00	5.2	36.3	0		
2006-Jun-18	9:29	266	5.4	41.3	14.01	5.2	38.9	0		
2006-Jun-18	9:29	261	5.4	44.0	13.98	5.2	41.5	0		
2006-Jun-18	9:30	256	5.4	46.7	13.97	5.2	44.1	0		
2006-Jun-18	9:30	96	1.7	49.3	13.87	2.7	46.6	0		
2006-Jun-18	9:31	119	1.7	50.1	13.50	3.2	48.1	0		
2006-Jun-18	9:31	119	1.7	51.0	13.48	3.3	49.8	0		
2006-Jun-18	9:31								End Tail Slurry	
2006-Jun-18	9:31	32	0.0	51.2	13.14	0.0	50.1	0		
2006-Jun-18	9:31	32	0.0	51.2	12.35	0.0	50.1	0		
2006-Jun-18	9:31								Reset Total, Vol = 51.22 bbl	
2006-Jun-18	9:32	32	0.0	0.0	11.39	0.0	0.1	0		
2006-Jun-18	9:32	27	0.0	0.0	11.79	0.0	0.1	0		
2006-Jun-18	9:33	27	0.0	0.0	11.76	0.0	0.1	0		
2006-Jun-18	9:34	32	0.0	0.0	11.76	0.0	0.1	0		
2006-Jun-18	9:34	316	0.0	0.0	8.53	6.4	1.5	0		
2006-Jun-18	9:35	279	0.0	0.0	8.28	10.5	6.4	0		
2006-Jun-18	9:35	169	0.0	0.0	7.97	5.0	9.4	0		
2006-Jun-18	9:36	183	0.0	0.0	8.27	0.2	11.4	0		
2006-Jun-18	9:36	398	0.0	0.0	8.29	8.2	14.0	0		
2006-Jun-18	9:37	9	0.0	0.0	8.28	0.1	14.5	0		
2006-Jun-18	9:37	23	0.0	0.0	8.28	0.0	14.5	0		
2006-Jun-18	9:38	119	0.0	0.0	8.28	6.7	16.7	0		
2006-Jun-18	9:38	124	6.6	0.1	8.28	6.8	20.0	0		
2006-Jun-18	9:39	119	6.6	3.4	8.28	6.6	23.4	0		
2006-Jun-18	9:39	133	6.7	6.7	8.27	6.7	26.8	0		
2006-Jun-18	9:39								Drop Top Plug	
2006-Jun-18	9:39	133	6.6	8.2	8.28	6.8	28.3	0		
2006-Jun-18	9:39	133	6.6	8.3	8.28	6.8	28.4	0		
2006-Jun-18	9:39								Start Displacement	
2006-Jun-18	9:40	142	6.6	10.0	8.28	6.8	15.6	0		
2006-Jun-18	9:40	137	6.6	19.0	8.28	6.7	18.9	0		
2006-Jun-18	9:41	128	6.6	22.3	8.28	6.8	22.3	0		

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Well *		Field			Service Date		Customer		Job Number	
DOWNING A #5		SHUCK			06169-Jun-18		OXY RESOURCE CALIFORNIA LLC		2205551183	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	Flowmeter Rate	Flowmeter Tot	0	Message	
	24 hr clock	psi	bbf/min	bbl	lb/gal	bbf/min	bbl	0		
2006-Jun-18	9:41	114	6.6	25.6	8.28	6.7	25.7	0		
2006-Jun-18	9:42	119	6.6	28.9	8.28	6.7	29.1	0		
2006-Jun-18	9:42	114	6.6	32.2	8.28	6.8	32.4	0		
2006-Jun-18	9:43	124	6.6	35.5	8.28	6.8	35.8	0		
2006-Jun-18	9:43	211	6.6	38.8	8.28	6.6	39.1	0		
2006-Jun-18	9:44	270	6.6	42.1	8.28	6.7	42.5	0		
2006-Jun-18	9:44	330	6.6	45.4	8.28	6.6	45.8	0		
2006-Jun-18	9:45	394	6.6	48.7	8.28	6.7	49.2	0		
2006-Jun-18	9:45	444	6.6	52.0	8.28	6.6	52.5	0		
2006-Jun-18	9:46	513	6.6	55.3	8.28	6.6	55.8	0		
2006-Jun-18	9:46	549	6.6	58.6	8.28	6.5	59.1	0		
2006-Jun-18	9:47	545	5.1	61.4	8.28	5.0	61.9	0		
2006-Jun-18	9:47	595	5.1	63.9	8.28	5.0	64.4	0		
2006-Jun-18	9:48	655	5.1	66.5	8.28	5.0	66.9	0		
2006-Jun-18	9:48	568	2.5	68.9	8.28	3.5	69.4	0		
2006-Jun-18	9:49	664	2.9	70.4	8.28	2.9	70.9	0		
2006-Jun-18	9:49	650	2.9	71.8	8.28	2.9	72.3	0		
2006-Jun-18	9:50	710	2.9	73.3	8.28	2.9	73.8	0		
2006-Jun-18	9:50	1328	0.0	73.8	8.28	0.0	74.4	0		
2006-Jun-18	9:50								End Displacement	
2006-Jun-18	9:50	1346	0.0	73.8	8.28	0.0	74.4	0		
2006-Jun-18	9:50								Bump Top Plug	
2006-Jun-18	9:50								Reset Total, Vol = 73.78 bbl	
2006-Jun-18	9:50	1341	0.0	73.8	8.28	0.0	74.4	0		
2006-Jun-18	9:51	1282	0.0	0.0	8.28	0.0	0.0	0		
2006-Jun-18	9:51	14	0.0	0.0	8.28	0.0	0.0	0		
2006-Jun-18	9:52	18	0.0	0.0	8.28	0.0	0.0	0		
2006-Jun-18	9:52								End Job	
2006-Jun-18	9:52	18	0.0	0.0	8.28	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
5			6.5	111	0	20	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to Breakdown	Volume	Density		
			1350		bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To ft			
%	111 bbl	72.4 bbl	°F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Fillpot, Gregg			Ahrends, Timothy				

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Date	06/18/06
Company	OXY
Job Number	2205551183
Well Name	Downing
Well Number	A 5
County	Seward
State	KS

1st System	
150 sacks	C
2.18 yield	
12.2 weight	
12.3 water	43.9
cubic ft.	327
height	1887
bbls	58.2

2nd System	
190 sacks	H
1.55 yield	
13.8 weight	
7.1 water	32
cubic ft.	295
height	1700
bbls	52.5

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

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

Schlumberger

Pipe Size	5 1/2	
Pipe Weight	17	10.5
Pipe Depth	3201	
Shoe Length	79	
Insert Depth	3122	
Hole Size	7 7/8	
Hole Depth	6325	

173	Pipe Volume	74
	Annular Volume	99
	Total Cement	111
	Total Water	148

Pipe Factor	0.0232	0.01594
Annular Factor	0.0309	
Height Factor	5.7718	

Casing lift 2290
Cement lift 902

Test 3000

0 Mud

20 Chemical Wash

58 Lead 12.2

52 Tail 13.8

72.4 Displacement

2000 Maximum Pressure

Pump Time @ 5 BPM 37 MIN

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