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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM

Form ACO-1
September 1999
Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: NA
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: NA

Designate Type of Completion:

New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)

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

Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

07/14/06 07/24/06 07/26/06
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 129-21787-0000
County: Morton
 - NW - SW - NE Sec 8 Twp. 33 S. R. 43W
1769 feet from S (N) (circle one) Line of Section
2145 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) SE NW SW

Lease Name: Ryman A Well #: 1
Field Name: _____

Producing Formation: NA

Elevation: Ground: 3647 Kelly Bushing: 3658

Total Depth: 5301 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 1560 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 DA ATT-11-10-13-08

(Data must be collected from the Reserve Pit)

Chloride content 900 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 11/09/06

Subscribed and sworn to before me this 9 day of Nov

20 06

Notary Public: Anita Peterson

Date Commission Expires: Oct. 1, 2009

KCC Office Use Only

Y 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

Side Two

Operator Name: OXY USA Inc. Lease Name: Ryman A Well #: 1

Sec. 8 Twp. 33 S. R. 43W East West County: Morton

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Array Compensated Res Microlog Wave Sonic Neutron	<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>2089</td> <td>1569</td> </tr> <tr> <td>Council Grove</td> <td>2334</td> <td>1324</td> </tr> <tr> <td>Wabaunsee</td> <td>2699</td> <td>959</td> </tr> <tr> <td>Shawnee</td> <td>2925</td> <td>733</td> </tr> <tr> <td>Heebner Shale</td> <td>3261</td> <td>397</td> </tr> <tr> <td>Toronto</td> <td>3283</td> <td>375</td> </tr> <tr> <td>Lansing</td> <td>3341</td> <td>317</td> </tr> <tr> <td colspan="3" style="text-align: center;">(See Side Three)</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Chase	2089	1569	Council Grove	2334	1324	Wabaunsee	2699	959	Shawnee	2925	733	Heebner Shale	3261	397	Toronto	3283	375	Lansing	3341	317	(See Side Three)		
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Name	Top	Datum																													
Chase	2089	1569																													
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Heebner Shale	3261	397																													
Toronto	3283	375																													
Lansing	3341	317																													
(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	1560	C	555	35/65 Poz + Additives
					C	195	Class C Additives
Production					C		

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
	100 sxs @ 2500'		
	50 sxs @ 1580'		
	50 sxs @ 500'		
	20 sxs @ 60'		

TUBING RECORD	Size	Set At	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.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) P&A
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Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
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Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled _____ <input checked="" type="checkbox"/> Other (Specify) _____ P&A _____	_____

Side Three

Operator Name: OXY USA Inc. Lease Name: Ryman A Well #: 1

Sec. 8 Twp. 33 S. R. 43W East West County: Morton

Name	Top	Datum
Upper Kansas City	3521	137
Lower Kansas City	3630	28
Marmaton	3901	-243
Cherokee	4088	-430
Atoka	4226	-568
Morrow	4553	-895
Indian Belly	4862	-1204
Keyes	4980	-1322
Mississipian	5027	-1369
St. Geneve	5082	-1424
St. Louis	5153	-1495

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Cementing Service Report

Customer OXY RESOURCE CALIFORNIA LLC						Job Number 2205551304							
Well RYMAN A 1			Location (legal) SEC 27-T33S-R43W			Schlumberger Location Perryton, TX		Job Start					
Field		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 1,562 ft	Well TVD 1,562 ft					
County MORTON		State/Province KANSAS		BHP psi	BHST 96 °F	BHCT °F	Pore Press. Gradient psi/ft						
Well Master: 0630821889		API / UWI: 15129217870000			Casing/Liner								
Rig Name MURFIN 22		Drilled For Oil & Gas		Service Via Land		Depth, ft 1562	Size, in 8.63	Weight, lb/ft 24	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 Surface Casing				Perforations/Open Hole							
Max. Allowed Tubing Pressure 1500 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 555 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 96.73 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 99.5 bbl		Annular Vol. 114.81 bbl		Open Hole Vol. bbl	
						Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			Squeeze Job
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type					
No. Centralizers:		Top Plugs: 1		Bottom Plugs:		Shoe Depth: ft		Tool Type:					
Cement Head Type: Single		Arrived on Location: 2006-Jul-15 21:00		Leave Location:		Stage Tool Type		Tool Depth: ft					
Job Scheduled For:		Collar Type:		Collar Depth: 1518.58 ft		Stage Tool Depth: ft		Tail Pipe Size: in					
						Tail Pipe Depth: ft		Sqz Total Vol: bbl					
Date	Time	Treating Pressure psi	Density lb/gal	CMT RATE bbl/min	CMT VOL bbl	0	0	0	Message				
	24 hr clock					0	0	0					
2006-Jul-15	23:48	0	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:48	0	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:48								Start Job				
2006-Jul-15	23:48	0	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:48								Start Pumping Spacer Pressure Test Lines				
2006-Jul-15	23:48								KCC NOV 09 2006 CONFIDENTIAL				
2006-Jul-15	23:48	0	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:48	-5	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:49	-5	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:49	-5	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:50	-5	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:50	55	8.29	0.0	0.0	0	0	0					
2006-Jul-15	23:51	9	8.28	0.0	0.0	0	0	0					
2006-Jul-15	23:51	9	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:52	1543	8.31	0.1	0.0	0	0	0					
2006-Jul-15	23:52	14	8.31	0.0	0.0	0	0	0					
2006-Jul-15	23:53	133	8.28	5.0	1.2	0	0	0					
2006-Jul-15	23:53								Pressure Test Lines				
2006-Jul-15	23:53	142	8.27	5.0	2.1	0	0	0					
2006-Jul-15	23:53	133	8.27	5.0	3.7	0	0	0					
2006-Jul-15	23:54	142	8.27	5.1	6.2	0	0	0					
2006-Jul-15	23:54								End Spacer				

Well		Field		Service Date		Customer			Job Number
RYMAN A #1						OXY RESOURCE CALIFORNIA LLC			2205551304
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2006-Jul-15	23:54	133	8.28	5.1	7.6	0	0	0	
2006-Jul-15	23:54								Start Mixing Lead Slurry
2006-Jul-15	23:54	124	8.28	5.1	7.9	0	0	0	
2006-Jul-15	23:54	137	8.92	5.1	8.8	0	0	0	
2006-Jul-15	23:54	137	9.00	5.1	8.9	0	0	0	
2006-Jul-15	23:54								Reset Total, Vol = 8.88 bbl
2006-Jul-15	23:54	151	9.30	5.1	0.3	0	0	0	
2006-Jul-15	23:54								Reset Total, Vol = 0.26 bbl
2006-Jul-15	23:55	174	11.34	5.2	2.5	0	0	0	
2006-Jul-15	23:55	197	12.82	5.2	5.1	0	0	0	
2006-Jul-15	23:56	197	12.88	5.2	7.7	0	0	0	
2006-Jul-15	23:56	169	12.56	5.2	10.3	0	0	0	
2006-Jul-15	23:57	179	12.29	5.3	12.9	0	0	0	
2006-Jul-15	23:57	160	12.09	5.3	15.6	0	0	0	
2006-Jul-15	23:58	156	11.97	5.3	18.3	0	0	0	
2006-Jul-15	23:58	151	12.11	5.3	20.9	0	0	0	
2006-Jul-15	23:59	151	12.17	5.4	23.6	0	0	0	
2006-Jul-15	23:59	156	12.60	5.4	26.3	0	0	0	
2006-Jul-16	0:00	146	12.70	5.4	29.0	0	0	0	
2006-Jul-16	0:00	146	12.60	5.4	31.7	0	0	0	
2006-Jul-16	0:01	137	12.33	5.4	34.4	0	0	0	
2006-Jul-16	0:01	124	12.20	5.4	37.1	0	0	0	
2006-Jul-16	0:02	133	12.08	5.4	39.8	0	0	0	
2006-Jul-16	0:02	137	12.14	5.4	42.6	0	0	0	
2006-Jul-16	0:03	137	12.36	5.4	45.3	0	0	0	
2006-Jul-16	0:03	137	12.46	5.5	48.0	0	0	0	
2006-Jul-16	0:04	137	12.51	5.5	50.7	0	0	0	
2006-Jul-16	0:04	137	12.53	5.5	53.5	0	0	0	
2006-Jul-16	0:05	137	12.34	5.5	56.2	0	0	0	
2006-Jul-16	0:05	133	11.98	5.5	59.0	0	0	0	
2006-Jul-16	0:06	124	11.56	5.5	61.7	0	0	0	
2006-Jul-16	0:06	124	12.05	5.5	64.4	0	0	0	
2006-Jul-16	0:07	114	12.70	4.9	67.0	0	0	0	
2006-Jul-16	0:07	105	12.37	4.9	69.5	0	0	0	
2006-Jul-16	0:08	96	11.79	4.9	71.9	0	0	0	
2006-Jul-16	0:08	124	12.27	5.4	74.5	0	0	0	
2006-Jul-16	0:09	124	12.46	5.4	77.2	0	0	0	
2006-Jul-16	0:09	124	12.43	5.4	79.9	0	0	0	
2006-Jul-16	0:10	119	12.02	5.4	82.5	0	0	0	
2006-Jul-16	0:10	128	12.51	5.4	85.2	0	0	0	
2006-Jul-16	0:11	128	12.79	5.4	87.9	0	0	0	
2006-Jul-16	0:11	137	12.76	5.4	90.6	0	0	0	
2006-Jul-16	0:12	128	12.59	5.4	93.2	0	0	0	
2006-Jul-16	0:12	124	12.46	5.4	95.9	0	0	0	
2006-Jul-16	0:13	133	12.53	5.6	98.6	0	0	0	
2006-Jul-16	0:13	137	12.49	5.6	101.4	0	0	0	
2006-Jul-16	0:14	133	12.43	5.6	104.2	0	0	0	
2006-Jul-16	0:14	128	12.38	5.6	107.0	0	0	0	
2006-Jul-16	0:15	133	12.36	5.6	109.8	0	0	0	
2006-Jul-16	0:15	133	12.32	5.6	112.6	0	0	0	
2006-Jul-16	0:16	133	12.37	5.6	115.4	0	0	0	
2006-Jul-16	0:16	128	12.39	5.6	118.2	0	0	0	
2006-Jul-16	0:17	133	12.37	5.6	121.0	0	0	0	
2006-Jul-16	0:17	133	12.32	5.6	123.8	0	0	0	

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Well			Field			Service Date		Customer		Job Number
RYMAN A #1								OXY RESOURCE CALIFORNIA LLC		2205551304
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Jul-16	0:18	133	12.30	5.6	126.6	0	0	0		
2006-Jul-16	0:18	133	11.95	5.6	129.4	0	0	0		
2006-Jul-16	0:19	133	12.45	5.6	132.2	0	0	0		
2006-Jul-16	0:19	133	12.54	5.6	135.0	0	0	0		
2006-Jul-16	0:20	133	12.56	5.6	137.8	0	0	0		
2006-Jul-16	0:20	133	12.30	5.6	140.6	0	0	0		
2006-Jul-16	0:21	128	12.22	5.6	143.4	0	0	0		
2006-Jul-16	0:21	133	12.49	5.6	146.2	0	0	0		
2006-Jul-16	0:22	133	12.54	5.6	149.0	0	0	0		
2006-Jul-16	0:22	137	12.49	5.6	151.8	0	0	0		
2006-Jul-16	0:23	151	12.50	6.0	154.8	0	0	0		
2006-Jul-16	0:23	151	12.55	5.9	157.8	0	0	0		
2006-Jul-16	0:24	156	12.37	5.9	160.7	0	0	0		
2006-Jul-16	0:24	151	12.37	5.9	163.7	0	0	0		
2006-Jul-16	0:25	151	12.37	5.9	166.7	0	0	0		
2006-Jul-16	0:25	151	12.37	6.0	169.6	0	0	0		
2006-Jul-16	0:26	160	12.37	5.9	172.6	0	0	0		
2006-Jul-16	0:26	160	12.38	5.9	175.6	0	0	0		
2006-Jul-16	0:27	160	12.18	6.0	178.5	0	0	0		
2006-Jul-16	0:27	165	12.28	6.0	181.5	0	0	0		
2006-Jul-16	0:28	174	12.37	6.0	184.5	0	0	0		
2006-Jul-16	0:28	188	12.50	6.0	187.5	0	0	0		
2006-Jul-16	0:29	197	12.35	6.0	190.4	0	0	0		
2006-Jul-16	0:29	201	12.46	5.9	193.4	0	0	0		
2006-Jul-16	0:30	197	12.21	6.0	196.4	0	0	0		
2006-Jul-16	0:30	146	11.62	5.1	199.3	0	0	0		
2006-Jul-16	0:31	156	12.35	5.1	200.6	0	0	0		
2006-Jul-16	0:31								End Lead Slurry	
2006-Jul-16	0:31								Start Mixing Tail Slurry	
2006-Jul-16	0:31	165	12.38	5.2	200.6	0	0	0		
2006-Jul-16	0:31	169	12.41	5.2	200.7	0	0	0		
2006-Jul-16	0:31								Reset Total, Vol = 200.47 bbl	
2006-Jul-16	0:31	174	12.63	5.2	1.1	0	0	0		
2006-Jul-16	0:31	197	13.69	5.1	3.5	0	0	0		
2006-Jul-16	0:32	211	14.43	5.2	6.1	0	0	0		
2006-Jul-16	0:32	229	14.82	5.1	8.7	0	0	0		
2006-Jul-16	0:33	256	15.05	5.6	11.4	0	0	0		
2006-Jul-16	0:33	247	14.94	5.6	14.2	0	0	0		
2006-Jul-16	0:34	270	14.94	6.0	17.0	0	0	0		
2006-Jul-16	0:34	247	14.94	5.8	19.9	0	0	0		
2006-Jul-16	0:35	252	14.93	5.8	22.8	0	0	0		
2006-Jul-16	0:35	229	14.90	5.8	25.7	0	0	0		
2006-Jul-16	0:36	238	14.87	5.8	28.6	0	0	0		
2006-Jul-16	0:36	233	14.94	5.8	31.5	0	0	0		
2006-Jul-16	0:37	238	14.98	6.0	34.4	0	0	0		
2006-Jul-16	0:37	233	14.99	5.9	37.3	0	0	0		
2006-Jul-16	0:38	215	14.96	5.8	40.3	0	0	0		
2006-Jul-16	0:38	87	15.36	3.7	42.3	0	0	0		
2006-Jul-16	0:39	119	15.39	3.7	44.1	0	0	0		
2006-Jul-16	0:39	-14	14.71	0.0	45.3	0	0	0		
2006-Jul-16	0:40	-14	14.34	0.0	45.3	0	0	0		
2006-Jul-16	0:40	-14	11.83	0.0	45.3	0	0	0		
2006-Jul-16	0:40	-14	11.53	0.0	45.3	0	0	0		
2006-Jul-16	0:40								Reset Total, Vol = 45.33 bbl	

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Well		Field		Service Date		Customer			Job Number
RYMAN A #1						OXY RESOURCE CALIFORNIA LLC			2205551304
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2006-Jul-16	0:40								End Tail Slurry
2006-Jul-16	0:40	-14	11.45	0.0	0.0	0	0	0	
2006-Jul-16	0:41	-14	11.25	0.0	0.0	0	0	0	
2006-Jul-16	0:41								Start Displacement
2006-Jul-16	0:41	-14	10.76	0.0	0.0	0	0	0	
2006-Jul-16	0:41	-14	10.31	0.0	0.0	0	0	0	
2006-Jul-16	0:42	-14	10.06	0.0	0.0	0	0	0	
2006-Jul-16	0:42	-14	9.95	0.0	0.0	0	0	0	
2006-Jul-16	0:43	-14	9.92	0.0	0.0	0	0	0	
2006-Jul-16	0:43	96	9.13	5.4	0.5	0	0	0	
2006-Jul-16	0:44	82	9.12	5.4	3.2	0	0	0	
2006-Jul-16	0:44	128	8.33	5.4	5.9	0	0	0	
2006-Jul-16	0:45	96	8.31	5.4	8.6	0	0	0	
2006-Jul-16	0:45	105	8.44	5.4	11.3	0	0	0	
2006-Jul-16	0:46	114	8.44	5.4	14.1	0	0	0	
2006-Jul-16	0:46	124	8.31	5.5	16.8	0	0	0	
2006-Jul-16	0:47	128	8.31	5.5	19.5	0	0	0	
2006-Jul-16	0:47	137	8.34	5.5	22.3	0	0	0	
2006-Jul-16	0:48	146	8.33	5.5	25.0	0	0	0	
2006-Jul-16	0:48	142	8.31	5.5	27.8	0	0	0	
2006-Jul-16	0:49	169	8.31	5.5	30.5	0	0	0	
2006-Jul-16	0:49	169	8.31	5.5	33.3	0	0	0	
2006-Jul-16	0:50	192	8.31	5.5	36.0	0	0	0	
2006-Jul-16	0:50	183	8.31	5.5	38.8	0	0	0	
2006-Jul-16	0:51	211	8.31	5.5	41.6	0	0	0	
2006-Jul-16	0:51	224	8.31	5.5	44.3	0	0	0	
2006-Jul-16	0:52	238	8.31	5.5	47.1	0	0	0	
2006-Jul-16	0:52	256	8.32	5.5	49.8	0	0	0	
2006-Jul-16	0:53	256	8.30	5.5	52.6	0	0	0	
2006-Jul-16	0:53	279	8.31	5.5	55.4	0	0	0	
2006-Jul-16	0:54	284	8.31	5.5	58.1	0	0	0	
2006-Jul-16	0:54	302	8.31	5.5	60.9	0	0	0	
2006-Jul-16	0:55	334	8.31	5.5	63.7	0	0	0	
2006-Jul-16	0:55	357	8.31	5.5	66.4	0	0	0	
2006-Jul-16	0:56	366	8.31	5.5	69.2	0	0	0	
2006-Jul-16	0:56	394	8.32	5.4	71.9	0	0	0	
2006-Jul-16	0:57	398	8.32	5.4	74.6	0	0	0	
2006-Jul-16	0:57	412	8.32	5.4	77.3	0	0	0	
2006-Jul-16	0:58	453	8.32	5.4	80.0	0	0	0	
2006-Jul-16	0:58	449	8.32	5.4	82.7	0	0	0	
2006-Jul-16	0:59	471	8.32	5.4	85.4	0	0	0	
2006-Jul-16	0:59	513	8.32	5.4	88.0	0	0	0	
2006-Jul-16	1:00	517	8.32	5.4	90.7	0	0	0	
2006-Jul-16	1:00	462	8.32	2.7	92.6	0	0	0	
2006-Jul-16	1:01	439	8.32	2.7	94.0	0	0	0	
2006-Jul-16	1:01	462	8.32	2.7	95.3	0	0	0	
2006-Jul-16	1:02	1035	8.32	0.0	95.7	0	0	0	
2006-Jul-16	1:02	1039	8.32	0.0	95.7	0	0	0	
2006-Jul-16	1:03	1039	8.32	0.0	95.7	0	0	0	
2006-Jul-16	1:03	531	8.32	0.0	95.7	0	0	0	
2006-Jul-16	1:04	0	8.32	0.0	95.7	0	0	0	

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Well RYMAN A #1			Field			Service Date		Customer OXY RESOURCE CALIFORNIA LLC			Job Number 2205551304		
Date	Time 24 hr clock	Treating Pressure psi	Density lb/gal	CMT RATE bbl/min	CMT VOL bbl	0	0	0	0	0	Message		
Post Job Summary													
Average Pump Rates, bpm						Volume of Fluid Injected, bbl							
Slurry		N2		Mud		Maximum Rate		Total Slurry		Mud		Spacer	N2
5						6		270.1				10	
Treating Pressure Summary, psi						Breakdown Fluid							
Maximum		Final		Average		Bump Plug to		Breakdown		Volume		Density	
500				250						bbl		lb/gal	
Avg. N2 Percent		Designed Slurry Volume		Displacement		Mix Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume		111 bbl	
%		270.1 bbl		95.5 bbl		°F		<input type="checkbox"/> Washed Thru Perfs		To		ft	
Customer or Authorized Representative HANNA, RUSTY				Schlumberger Supervisor Flanagan, Patrick				<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed			

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Spacer and Water			
Spacer(bbls)	5	Spcr Hydro(PSI)	29.47
		Total Water(bbls)	376.52
Cement Totals			
Lead sks	555	Lead CF	1209.9
Yeild	2.18	Lead(bbls)	215.48
Water req.	6826.5	BBLS Water	162.54
Weight	12.2	Lead Height(ft)	966.47
		Lead Hydro(PSI)	613.13
		Excess(bbls)	144.45
Tail			
Tail sks	195	Tail CF	261.3
Yeild	1.34	Tail BBLS	46.538
Water req	1238.84	BBLS Water	29.496
Weight	14.8	Tail Height(ft)	595.53
		Tail Hydro(PSI)	458.32
Pipe Information			
Casing ID	8.097		
Casing OD	8.625		
Casing Weight	24		
bbls/ft casing	0.0637	Casing cap.(bbls)	99.50
Casing length	1562	Displacement(bbls)	96.73
Shoe length	43.42	Shoe Cap.(bbls)	2.765854
bbls/ft annular	0.0735	Annular cap.(bbls)	114.81
Annular length	1562		
Bump & Lift			
Displ Fluid Wt.	8.33	Disp Hydro(PSI)	657.79
Drilling Fluid Wt.	0.00	Lift(PSI)	413.66
		Casing Lift(PSI)	583.74

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Cementing Service Report

Customer OXY RESOURCE CALIFORNIA LLC						Job Number 2205551460								
Well RYMAN A 1			Location (legal) SEC 27-T33S-R43W			Schlumberger Location Perryton, TX			Job Start 2006-Jul-27					
Field		Formation Name/Type Dirty-Sandstone		Deviation °		Bit Size 7.88 in	Well MD 5,370 ft	Well TVD 5,370 ft						
County MORTON		State/Province KANSAS		BHP psi	BHST 144 °F	BHCT °F	Pore Press. Gradient psi/ft							
Well Master: 0630821889		API / UWI: 15129217870000		Casing/Liner										
Rig Name MURFIN 22	Drilled For Oil & Gas		Service Via Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread					
Offshore Zone	Well Class New		Well Type Development		Tubing/Drill Pipe									
Drilling Fluid Type Bentonite		Max. Density 9 lb/gal	Plastic Vt: cp 20		Depth, 2500	Size, in 4.5	Weight, lb/ft 16.6	Grade E	Thread N/A					
Service Line Cementing		Job Type Plug & Abandon			Perforations/Open Hole									
Max. Allowed Tubing Pressure 1500 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 4 1/2" XH DP pin			Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft					
Service Instructions Plug to abandon via 4 1/2 DP w/ 100 sks @ 2500 ft, 50 sks @ 1580 ft, 50 sks @ 500 ft, 20 sks @ surface 25 SKS FOR MOUSE AND RAT holes					Diameter in	Treat Down Drill Pipe	Displacement bbl	Packer Type	Packer Depth ft					
					Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	OpenHole Vol bbl						
					Casing/Tubing Secured <input type="checkbox"/>				1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job	
					Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Type:	
No. Centralizers:		Top Plugs:		Bottom Plugs:		Shoe Depth: ft		Tool Type:						
Cement Head Type:		Stage Tool Type:		Tool Depth: ft		Stage Tool Depth: ft		Tail Pipe Size: in						
Job Scheduled For:		Arrived on Location: 2006-Jul-27 1:30		Leave Location: 2006-Jul-27 6:00		Collar Type:		Tail Pipe Depth: ft						
						Collar Depth: ft		Sqz Total Vol: bbl						
Date	Time	Treating Pressure psi	Density lb/gal	Flow Rate bbl/min	CMT VOL bbl	CMT TPLX RATE bbl/min	CMT TPLX VOL bbl	0	Message					
2006-Jul-26	2:04	77	8.31	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:04								Start Job					
2006-Jul-26	2:04	0	8.31	0.0	0.0	0.0	0.0	0	Pressure Test Lines					
2006-Jul-26	2:04	0	8.31	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:04	0	8.31	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:05	0	8.31	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:05	0	8.31	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:06	0	8.27	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:06	37	8.30	2.7	1.3	0.0	0.0	0						
2006-Jul-26	2:07	37	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:07	1419	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:08	1369	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:08	1355	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:09	1341	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:09	1337	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:10	5	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:10	0	8.30	0.0	2.1	0.0	0.0	0						
2006-Jul-26	2:11	0	8.30	0.0	0.0	0.0	0.0	0						
2006-Jul-26	2:11								Start 1st plug					
2006-Jul-26	2:11	46	8.30	1.5	0.0	0.0	0.0	0						
2006-Jul-26	2:11								Start water ahead					

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Well		Field			Service Date		Customer		Job Number
RYMAN A #1					06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jul-26	2:11	133	8.31	2.0	0.2	2.2	0.2	0	
2006-Jul-26	2:11	110	8.30	2.3	0.6	2.2	0.6	0	
2006-Jul-26	2:12	183	8.30	4.9	2.0	5.0	2.1	0	
2006-Jul-26	2:12	179	8.30	5.1	4.5	5.0	4.6	0	
2006-Jul-26	2:13	5	8.30	5.4	5.3	0.0	5.0	0	
2006-Jul-26	2:13								Reset Total, Vol = 5.29 bbl
2006-Jul-26	2:13	0	8.24	4.8	1.8	0.0	0.0	0	
2006-Jul-26	2:13	0	8.31	5.0	4.3	0.0	0.0	0	
2006-Jul-26	2:14	0	11.02	4.3	6.5	0.0	0.0	0	
2006-Jul-26	2:14	0	12.55	4.1	8.6	0.0	0.0	0	
2006-Jul-26	2:15								Start cement Slurry
2006-Jul-26	2:15	0	12.98	4.2	9.5	0.0	0.0	0	
2006-Jul-26	2:15	183	13.62	2.6	0.8	3.6	0.7	0	
2006-Jul-26	2:15	279	14.48	6.4	3.7	6.4	3.7	0	
2006-Jul-26	2:16	243	14.42	6.4	6.9	6.5	7.0	0	
2006-Jul-26	2:16	165	12.60	6.7	10.1	6.6	10.2	0	
2006-Jul-26	2:17	169	13.85	6.6	13.5	6.5	13.5	0	
2006-Jul-26	2:17	146	12.98	6.6	16.8	6.6	16.8	0	
2006-Jul-26	2:18	165	13.52	6.6	20.1	6.6	20.0	0	
2006-Jul-26	2:18	156	13.24	6.7	23.4	6.6	23.3	0	
2006-Jul-26	2:19	46	13.15	3.4	25.5	2.2	24.7	0	
2006-Jul-26	2:19	41	13.08	3.3	27.2	2.7	25.8	0	
2006-Jul-26	2:20	92	12.90	5.0	29.8	5.0	28.5	0	
2006-Jul-26	2:20	78	13.20	5.1	32.3	5.0	31.0	0	
2006-Jul-26	2:20	9	13.72	0.6	32.5	0.0	31.2	0	
2006-Jul-26	2:20								Reset Total, Vol = 32.31 bbl
2006-Jul-26	2:21	5	12.51	0.4	0.0	0.0	0.0	0	
2006-Jul-26	2:21								Start water behind
2006-Jul-26	2:21	5	8.84	0.6	0.7	0.0	0.0	0	
2006-Jul-26	2:21	37	8.35	4.4	2.4	2.8	0.8	0	
2006-Jul-26	2:22	0	8.35	0.3	2.8	0.0	0.9	0	
2006-Jul-26	2:22								Reset Total, Vol = 2.00 bbl
2006-Jul-26	2:22	-5	8.35	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:22	32	8.37	2.2	0.0	0.0	0.0	0	
2006-Jul-26	2:23	261	8.53	6.5	2.4	6.5	1.9	0	
2006-Jul-26	2:23	252	8.41	6.5	5.7	6.5	5.2	0	
2006-Jul-26	2:24	238	7.93	4.7	8.9	6.5	8.4	0	
2006-Jul-26	2:24	5	8.33	0.4	11.6	0.0	10.8	0	
2006-Jul-26	2:25	-5	8.33	0.0	11.7	0.0	10.8	0	
2006-Jul-26	2:25	-5	8.33	0.0	11.7	0.0	10.8	0	
2006-Jul-26	2:26	-5	8.33	0.0	11.7	0.0	10.8	0	
2006-Jul-26	2:26	-5	8.33	0.0	11.7	0.0	10.8	0	
2006-Jul-26	2:27	-5	8.33	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:27	-5	8.33	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:27								Start mud displacement
2006-Jul-26	2:27	-5	8.33	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:28	-5	8.32	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:28	46	8.90	4.9	0.8	0.0	0.0	0	
2006-Jul-26	2:29	50	8.96	4.7	3.1	2.3	0.1	0	
2006-Jul-26	2:29	46	8.96	4.7	5.5	2.7	1.4	0	
2006-Jul-26	2:30	46	8.79	4.8	7.8	2.7	2.8	0	
2006-Jul-26	2:30	46	8.77	4.8	10.2	2.7	4.2	0	
2006-Jul-26	2:31	50	9.05	4.8	12.6	4.5	5.8	0	
2006-Jul-26	2:31	55	9.05	4.8	15.0	4.5	8.1	0	

Well		Field			Service Date		Customer		Job Number
RYMAN A #1					06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jul-26	2:32	50	8.99	4.8	17.4	4.5	10.4	0	
2006-Jul-26	2:32	87	8.99	4.5	19.7	4.5	12.7	0	
2006-Jul-26	2:33	82	9.07	3.2	21.7	3.2	14.5	0	
2006-Jul-26	2:33	64	9.07	2.8	23.2	2.6	16.1	0	
2006-Jul-26	2:34								Reset Total, Vol = 23.52 bbl
2006-Jul-26	2:34	5	9.07	0.0	23.7	0.0	16.3	0	
2006-Jul-26	2:34	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:34	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:35	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:35	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:36	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:36	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:37	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:37	0	9.07	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:38	0	9.08	0.0	0.0	0.0	0.0	0	
2006-Jul-26	2:38	41	9.07	1.0	0.0	0.0	0.0	0	
2006-Jul-26	2:39	92	9.03	5.2	2.0	5.2	1.4	0	
2006-Jul-26	2:39	82	8.51	5.4	4.3	5.3	3.6	0	
2006-Jul-26	2:39								Pull out 1000 ft of DP
2006-Jul-26	2:39								End 1st Plug
2006-Jul-26	2:39	82	8.49	5.4	4.5	5.3	3.8	0	
2006-Jul-26	3:08	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:08								Start 2nd plug
2006-Jul-26	3:08	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:09	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:09	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:10	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:10	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:11	0	0.98	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:11	0	8.30	0.1	0.0	0.0	0.0	0	
2006-Jul-26	3:12	0	8.31	0.2	0.1	0.0	0.0	0	
2006-Jul-26	3:12	0	8.31	0.1	0.0	0.0	0.0	0	
2006-Jul-26	3:12	0	8.31	0.1	0.0	0.0	0.0	0	
2006-Jul-26	3:12								Start water ahead
2006-Jul-26	3:13	41	8.30	4.9	0.8	2.6	0.1	0	
2006-Jul-26	3:13	73	8.30	4.2	2.8	4.0	2.0	0	
2006-Jul-26	3:14	50	8.31	3.9	5.0	2.1	4.0	0	
2006-Jul-26	3:14	5	8.30	3.2	5.0	0.1	4.0	0	
2006-Jul-26	3:14								Reset Total, Vol = 5.03 bbl
2006-Jul-26	3:14	9	8.19	5.1	1.5	0.0	0.0	0	
2006-Jul-26	3:14								Start Cement Slurry
2006-Jul-26	3:14	9	8.21	5.1	1.5	0.0	0.0	0	
2006-Jul-26	3:15	14	8.53	5.0	1.5	0.0	0.0	0	
2006-Jul-26	3:15	18	10.79	4.3	1.5	0.0	0.0	0	
2006-Jul-26	3:16	18	11.08	4.2	1.5	0.0	0.0	0	
2006-Jul-26	3:16	23	12.50	4.5	1.5	0.0	0.0	0	
2006-Jul-26	3:17	60	13.72	1.8	0.5	0.0	0.0	0	
2006-Jul-26	3:17	69	13.70	2.3	1.6	3.3	1.2	0	
2006-Jul-26	3:18	73	13.60	3.8	3.5	3.7	3.1	0	
2006-Jul-26	3:18	110	13.30	5.3	5.8	5.2	5.4	0	
2006-Jul-26	3:19	110	13.33	5.4	8.5	5.3	8.1	0	
2006-Jul-26	3:19	105	13.00	5.4	11.2	5.3	10.8	0	
2006-Jul-26	3:20	105	13.14	5.4	13.9	5.3	13.4	0	
2006-Jul-26	3:20	110	13.11	5.5	16.6	5.4	16.1	0	

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Well		Field			Service Date		Customer		Job Number
RYMAN A #1					06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	bbbl/min	bbbl	0	
2006-Jul-26	3:21	5	12.88	0.0	17.7	0.0	17.0	0	
2006-Jul-26	3:21								Reset Total, Vol = 17.66 bbl
2006-Jul-26	3:21	0	12.97	0.3	0.0	0.0	0.0	0	
2006-Jul-26	3:21	41	8.35	4.8	1.5	0.0	0.0	0	
2006-Jul-26	3:21	0	8.28	0.8	2.0	0.0	0.0	0	
2006-Jul-26	3:21								Reset Total, Vol = 1.96 bbl
2006-Jul-26	3:22	-5	8.35	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:22	0	8.35	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:23	41	8.70	2.8	1.4	0.0	0.0	0	
2006-Jul-26	3:23	46	8.65	2.9	2.9	0.0	0.0	0	
2006-Jul-26	3:24	50	8.63	3.0	4.4	0.0	0.5	0	
2006-Jul-26	3:24	0	8.63	0.0	4.6	0.0	0.5	0	
2006-Jul-26	3:25	-5	8.63	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:25								Start Mud displacement
2006-Jul-26	3:25	-5	8.63	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:25	55	8.86	4.9	1.4	4.4	0.6	0	
2006-Jul-26	3:26	50	8.86	4.9	4.0	4.3	2.9	0	
2006-Jul-26	3:26	50	8.86	4.8	6.4	4.3	5.1	0	
2006-Jul-26	3:27	50	8.87	4.9	8.9	4.3	7.3	0	
2006-Jul-26	3:27	50	9.03	4.9	11.3	4.4	9.4	0	
2006-Jul-26	3:28	69	9.02	4.4	13.6	4.3	11.6	0	
2006-Jul-26	3:28								Reset Total, Vol = 15.19 bbl
2006-Jul-26	3:28	0	9.02	0.3	15.2	0.0	12.9	0	
2006-Jul-26	3:28	0	9.02	0.0	0.0	0.0	0.0	0	
2006-Jul-26	3:28								End 2nd plug
2006-Jul-26	3:28	0	9.02	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:14	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:14								Start 3d plug
2006-Jul-26	4:14	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:15	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:15	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:16	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:16	0	8.28	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:17	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:17	41	8.31	3.6	0.0	0.0	0.0	0	
2006-Jul-26	4:17	41	8.31	4.9	0.9	0.0	0.0	0	
2006-Jul-26	4:17								Start Water Ahead
2006-Jul-26	4:18	37	8.31	5.2	2.5	0.0	0.0	0	
2006-Jul-26	4:18	5	8.31	4.5	5.0	0.0	0.0	0	
2006-Jul-26	4:18								Reset Total, Vol = 5.71 bbl
2006-Jul-26	4:18	5	8.04	4.5	5.7	0.0	0.0	0	
2006-Jul-26	4:19	0	8.06	4.7	1.4	0.0	0.0	0	
2006-Jul-26	4:19	0	9.58	4.3	1.4	0.0	0.0	0	
2006-Jul-26	4:20	0	12.21	4.3	1.4	0.0	0.0	0	
2006-Jul-26	4:20								Start Cement slurry
2006-Jul-26	4:20	50	12.98	4.1	1.7	0.1	0.0	0	
2006-Jul-26	4:21	69	13.46	4.3	1.9	4.2	1.7	0	
2006-Jul-26	4:21	73	13.50	4.4	4.1	4.4	3.9	0	
2006-Jul-26	4:22	73	13.04	4.5	6.4	4.4	6.1	0	
2006-Jul-26	4:22	73	13.38	4.6	8.6	4.4	8.3	0	
2006-Jul-26	4:23	78	13.61	4.6	10.9	4.4	10.6	0	
2006-Jul-26	4:23	78	13.59	4.7	13.2	4.4	12.8	0	
2006-Jul-26	4:24	50	12.59	3.6	16.6	0.0	14.3	0	
2006-Jul-26	4:24	46	9.85	3.7	16.8	0.0	14.3	0	

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Well		Field			Service Date		Customer		Job Number
RYMAN A #1					06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jul-26	4:24								Reset Total, Vol = 16.81 bbl
2006-Jul-26	4:24								Start water behind
2006-Jul-26	4:24	0	8.36	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:24	0	8.38	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:25	46	8.96	4.2	1.0	0.0	0.0	0	
2006-Jul-26	4:25	0	9.03	0.3	2.2	0.0	0.0	0	
2006-Jul-26	4:25								Reset Total, Vol = 2.24 bbl
2006-Jul-26	4:25	0	9.03	0.3	0.0	0.0	0.0	0	
2006-Jul-26	4:25								Start mud displacement
2006-Jul-26	4:25	0	9.03	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:26	0	9.03	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:26	0	9.03	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:27	0	9.02	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:27	0	9.02	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:28	0	9.03	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:28	0	9.03	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:29	0	9.02	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:29	46	8.98	3.9	0.5	1.1	0.0	0	
2006-Jul-26	4:30								Reset Total, Vol = 2.86 bbl
2006-Jul-26	4:30	69	8.57	5.5	2.9	5.4	2.3	0	
2006-Jul-26	4:30	69	8.54	5.5	0.2	5.4	0.2	0	
2006-Jul-26	4:30	73	8.50	5.6	1.0	5.4	1.0	0	
2006-Jul-26	4:30								End 3d plug
2006-Jul-26	4:30								Stopped Acquisition
2006-Jul-26	4:30								Reset Total, Vol = 1.38 bbl
2006-Jul-26	4:47								Started Acquisition
2006-Jul-26	4:47	0	8.31	0.0	0.0	1.9	0.0	0	
2006-Jul-26	4:47	0	8.31	0.0	0.0	1.9	0.6	0	
2006-Jul-26	4:48								Start 4th plug
2006-Jul-26	4:48	0	8.31	0.0	0.0	0.0	0.8	0	
2006-Jul-26	4:48	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:48								Start water ahead
2006-Jul-26	4:48	0	8.31	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:48	0	8.29	0.0	0.0	0.0	0.0	0	
2006-Jul-26	4:49	41	8.31	5.1	2.0	0.0	0.0	0	
2006-Jul-26	4:49	46	8.30	5.0	4.5	0.0	0.0	0	
2006-Jul-26	4:49								Reset Total, Vol = 5.29 bbl
2006-Jul-26	4:49	-5	8.31	3.4	5.3	0.0	0.0	0	
2006-Jul-26	4:50	0	8.28	4.9	1.5	0.0	0.0	0	
2006-Jul-26	4:50	0	9.18	4.5	3.0	0.0	0.0	0	
2006-Jul-26	4:51	0	11.48	4.4	3.0	0.0	0.0	0	
2006-Jul-26	4:51	0	12.74	4.5	0.0	0.0	0.0	0	
2006-Jul-26	4:52	0	12.72	4.6	0.2	0.0	0.0	0	
2006-Jul-26	4:52	50	12.71	4.1	2.4	3.2	1.1	0	
2006-Jul-26	4:53	69	12.69	4.5	4.6	3.1	2.7	0	
2006-Jul-26	4:53	46	8.35	4.1	5.8	3.1	4.3	0	
2006-Jul-26	4:54	0	8.35	4.4	7.1	0.6	5.9	0	
2006-Jul-26	4:54	9	8.40	5.5	7.6	0.0	5.9	0	
2006-Jul-26	4:55								Reset Total, Vol = 10.45 bbl
2006-Jul-26	4:55	5	8.35	5.8	10.4	0.0	5.9	0	
2006-Jul-26	4:55	5	8.47	0.2	10.7	0.0	5.9	0	
2006-Jul-26	4:56	5	8.50	0.1	10.7	0.0	5.9	0	
2006-Jul-26	4:56	5	8.33	5.0	10.7	0.0	5.9	0	
2006-Jul-26	4:57	0	8.79	4.6	10.7	0.0	5.9	0	

Well		Field			Service Date		Customer		Job Number
RYMAN A #1					06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbf/min	bbl	bbf/mln	bbl	0	
2006-Jul-26	4:57	0	9.63	4.4	10.7	0.0	5.9	0	
2006-Jul-26	4:58	0	9.65	4.6	10.7	0.0	5.9	0	
2006-Jul-26	4:58	0	9.76	4.5	10.7	0.0	5.9	0	
2006-Jul-26	4:59	0	9.70	4.6	10.7	0.0	5.9	0	
2006-Jul-26	4:59	0	9.26	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:00	0	9.27	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:00	0	9.27	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:01	0	9.26	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:01								End 4th plug
2006-Jul-26	5:01	0	9.26	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:01	0	9.26	4.9	10.7	0.0	5.9	0	
2006-Jul-26	5:01								cement to surface
2006-Jul-26	5:01	0	9.26	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:02	0	9.26	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:02								Batch mix and pump 6 bbl for rat and mouse holes
2006-Jul-26	5:02	0	9.26	5.1	10.7	0.0	5.9	0	
2006-Jul-26	5:02	0	11.11	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:03	0	12.95	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:03	0	13.09	4.9	10.7	0.0	5.9	0	
2006-Jul-26	5:04	0	13.08	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:04	0	13.08	4.9	10.7	0.0	5.9	0	
2006-Jul-26	5:05	0	13.08	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:05	0	13.07	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:06	0	13.07	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:06	0	13.07	5.1	10.7	0.0	5.9	0	
2006-Jul-26	5:07	0	13.05	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:07	0	13.05	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:08	0	13.05	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:08	0	13.04	4.9	10.7	0.0	5.9	0	
2006-Jul-26	5:09	0	13.04	4.8	10.7	0.0	5.9	0	
2006-Jul-26	5:09	0	13.04	5.1	10.7	0.0	5.9	0	
2006-Jul-26	5:10	0	13.03	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:10	0	13.03	5.0	10.7	0.0	5.9	0	
2006-Jul-26	5:11	0	12.66	5.0	0.0	0.0	0.0	0	
2006-Jul-26	5:11	37	12.64	4.4	1.7	0.0	0.0	0	
2006-Jul-26	5:12	0	12.30	4.4	3.0	0.0	0.0	0	
2006-Jul-26	5:12	0	12.36	4.4	3.0	0.0	0.0	0	
2006-Jul-26	5:13	0	12.30	4.4	3.0	0.0	0.0	0	
2006-Jul-26	5:13	0	12.30	4.5	3.0	0.0	0.0	0	
2006-Jul-26	5:14	0	12.30	4.5	3.0	0.0	0.0	0	
2006-Jul-26	5:14	0	12.32	4.5	3.0	0.0	0.0	0	
2006-Jul-26	5:15	27	12.55	4.2	4.4	0.0	0.0	0	
2006-Jul-26	5:15	5	10.90	3.8	7.9	0.0	0.0	0	
2006-Jul-26	5:15								Reset Total, Vol = 5.38 bbl
2006-Jul-26	5:15	0	10.95	3.3	8.3	0.0	0.0	0	
2006-Jul-26	5:16	0	11.48	0.2	8.6	0.0	0.0	0	
2006-Jul-26	5:16	0	11.50	0.2	8.6	0.0	0.0	0	
2006-Jul-26	5:17	0	11.49	0.2	8.6	0.0	0.0	0	
2006-Jul-26	5:17	0	11.46	0.1	8.6	0.0	0.0	0	
2006-Jul-26	5:18	0	11.46	0.2	8.6	0.0	0.0	0	
2006-Jul-26	5:18	0	11.43	0.1	8.6	0.0	0.0	0	
2006-Jul-26	5:19	0	11.43	0.2	8.6	0.0	0.0	0	
2006-Jul-26	5:19	55	11.42	5.1	8.6	5.3	0.7	0	

Well		Field		Service Date		Customer		Job Number	
RYMAN A #1				06208-Jul-27		OXY RESOURCE CALIFORNIA LLC		2205551460	
Date	Time	Treating Pressure	Density	Flow Rate	CMT VOL	CMT TPLX RATE	CMT TPLX VOL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Jul-26	5:20	92	11.35	6.1	8.8	5.9	3.5	0	
2006-Jul-26	5:20								End Job
2006-Jul-26	5:20	87	11.33	6.1	0.9	6.0	0.9	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4			5	78	41	26			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
100		50			bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	1	bbl		
%	75 bbl	bbl	70 °F	<input type="checkbox"/> Washed Thru Perfs	To	ft			
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			
Fillpot, Greg			Grigoriev, Valeriy						

Pressure Test= 1500 psi

Top Pressure = 1000 psi

1st Plug

5 bbl Water Ahead

30 bbl Slurry @ 13.2 ppg

1.7 bbl Water Behind

23 bbl Mud Displacement

2nd

5 bbl Water Ahead

15 bbl Slurry @ 13.2 ppg

1.5 bbl Water Behind

15 bbl Mud Displacement

3d

5 bbl Water Ahead

15 bbl Slurry @ 13.2 ppg

1.5 bbl Water Behind

1.5 bbl Mud Displacement

4th

5 bbl Water Ahead

6 bbl Slurry @ 13.2 ppg

1.5 bbl Water Displacement

Batch mix 25 sx for rat hole and mouse hole

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