

12-05-07

CONFIDENTIAL

KANSAS CORPORATION COMMISSION ORIGINAL 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: 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: X New Well Re-Entry Workover X 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. 08/09/06 08/18/06 09/30/06 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 081-21675-0000 County: Haskell SE - NE - NE Sec 34 Twp. 29 S. R. 34W 922 feet from S (N) Line of Section 570 feet from (E) W Line of Section Footages Calculated from Nearest Outside Section Corner: (circle one) (NE) SE NW SW Lease Name: MLP Bruno A Well #: 1 Field Name: Eubank Producing Formation: Chester/Morrow Elevation: Ground: 2970 Kelly Bushing: 2981 Total Depth: 5575 Plug Back Total Depth: 5525 Amount of Surface Pipe Set and Cemented at 1828 feet Multiple Stage Cementing Collar Used? [ ] Yes [X] No If yes, show depth set If Alternate II completion, cement circulated from feet depth to w/ sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content 1300 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 [X] 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 12/05/06 Subscribed and sworn to before me this 5th day of Dec 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 RECEIVED KANSAS CORPORATION COMMISSION DEC 06 2006 CONSERVATION DIVISION WICHITA, KS

ANITA PETERSON Notary Public - State of Kansas My Appt. Expires October 1, 2009

Side Two

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

Sec. 34 Twp. 29 S. R. 34W  East  West County: Haskell

**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 checked="" type="checkbox"/> Yes <input 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:      CBL                      Sonic Neutron              Comp Resistivity      Microlog  Geological Report	<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>Heebner</td> <td>4011</td> <td>-1041</td> </tr> <tr> <td>Lansing</td> <td>4104</td> <td>-1134</td> </tr> <tr> <td>Kansas City</td> <td>4548</td> <td>-1578</td> </tr> <tr> <td>Marmaton</td> <td>4707</td> <td>-1737</td> </tr> <tr> <td>Cherokee</td> <td>4884</td> <td>-1914</td> </tr> <tr> <td>Morrow</td> <td>5211</td> <td>-2241</td> </tr> <tr> <td>Chester</td> <td>5348</td> <td>-2378</td> </tr> <tr> <td>St. Genevieve</td> <td>5424</td> <td>-2454</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Heebner	4011	-1041	Lansing	4104	-1134	Kansas City	4548	-1578	Marmaton	4707	-1737	Cherokee	4884	-1914	Morrow	5211	-2241	Chester	5348	-2378	St. Genevieve	5424	-2454
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Chester	5348	-2378																													
St. Genevieve	5424	-2454																													

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	1828	C C	585 195	35/65 Poz + Additives Class C + Additives
Production	7 7/8	5 1/2	17	5573	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 type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5354-5366, 5397-5408, 5418-5423	Frac-23,544 gls 20# crosslinked fluid foamed	
4	5334-5341	w/75%N2, 128,640# 20/40 Sand	

TUBING RECORD	Size 2 3/8	Set At 5462	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. 11/12/06	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 10	Gas Mcf 3	Water Bbbs 3	Gas-Oil Ratio 300	Gravity
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Disposition of Gas

METHOD OF COMPLETION

Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled Chester - 5354-5423  
*(If vented, Submit ACO-18)*  Other (Specify) \_\_\_\_\_ Morrow - 5334-5341



# Cementing Service Report

KCC

DEC 05 2006

CONFIDENTIAL

Customer <b>OXY RESOURCE CALIFORNIA LLC</b>	Job Number <b>2205551565</b>
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Well <b>MLP BRUNO A-1</b>		Location (legal) <b>SEC 34-T29S-R34W</b>		Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2006-Aug-10</b>			
Field		Formation Name/Type		Deviation		Bit Size <b>12.3 in</b>	Well MD <b>1,750 ft</b>	Well TVD <b>1,750 ft</b>	
County <b>HASKELL</b>		State/Province <b>KANSAS</b>		BHP <b>psi</b>	BHST <b>96 °F</b>	BHCT <b>°F</b>	Pore Press. Gradient <b>psi/ft</b>		
Well Master: <b>0630836688</b>		API / UWI:		Casing/Liner					
Rig Name <b>MURFIN 20</b>	Drilled For <b>Oil &amp; Gas</b>	Service Via <b>Land</b>		Depth, ft <b>1750</b>	Size, in <b>8.63</b>	Weight, lb/ft <b>24</b>	Grade	Thread	
Offshore Zone	Well Class <b>New</b>	Well Type <b>Exploration</b>		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density <b>lb/gal</b>	Plastic Viscosity <b>cp</b>	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line <b>Cementing</b>		Job Type <b>Cem Surface Casing</b>		Perforations/Open Hole					
Max. Allowed Tubing Pressure <b>1500 psi</b>	Max. Allowed Ann. Pressure <b>psi</b>	Wellhead Connection <b>8 5/8" H&amp;SM</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>	
Service Instructions <b>CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 570 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130 195 SK CLASS C + 2% S001 + 0.125 pps D130</b>				Diameter <b>in</b>	Treat Down <b>Casing</b>	Displacement <b>113.98 bbl</b>	Packer Type	Packer Depth <b>ft</b>	
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>			Casing Tools		Squeeze Job			
Lift Pressure: <b>554 psi</b>	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type			
No. Centralizers:	Top Plugs: <b>1</b>	Bottom Plugs:		Shoe Depth: <b>ft</b>		Tool Type:			
Cement Head Type: <b>Single</b>		Job Scheduled For:		Arrived on Location: <b>2006-Aug-10 17:30</b>	Leave Location:	Stage Tool Type		Tool Depth: <b>ft</b>	
Cement Head Type:	Single			Stage Tool Depth: <b>ft</b>		Tail Pipe Size: <b>in</b>		Collar Type:	
Job Scheduled For:	Arrived on Location:	Leave Location:		Collar Depth: <b>ft</b>		Tail Pipe Depth: <b>ft</b>		Collar Depth:	
Collar Depth:	Squeeze Total Vol: <b>bbl</b>								
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Aug-10	18:26	0	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:26	0	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:26								Start Job
2006-Aug-10	18:27	0	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:27								Start Pumping Spacer
2006-Aug-10	18:27	0	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:27								Pressure Test Lines
2006-Aug-10	18:27	0	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:27	-5	8.33	0.0	0.0	0.0	0.0	0	
2006-Aug-10	18:28	73	8.32	0.0	0.0	3.8	1.6	0	
2006-Aug-10	18:28	119	8.31	0.0	0.0	0.0	2.1	0	
2006-Aug-10	18:29	211	8.32	0.0	0.1	0.0	2.1	0	
2006-Aug-10	18:29	2412	8.32	0.0	0.1	0.0	2.1	0	
2006-Aug-10	18:30	64	8.31	0.0	0.1	3.5	2.3	0	
2006-Aug-10	18:30	114	8.31	5.4	2.2	5.8	4.7	0	
2006-Aug-10	18:31	119	8.26	5.3	4.9	5.4	7.4	0	
2006-Aug-10	18:31	114	8.22	5.3	7.5	5.4	10.2	0	
2006-Aug-10	18:32	110	8.24	5.3	7.7	5.4	10.3	0	
2006-Aug-10	18:32								End Spacer
2006-Aug-10	18:32	114	8.33	5.3	7.9	5.5	10.5	0	
2006-Aug-10	18:32								Start Mixing Lead Slurry
2006-Aug-10	18:32								
2006-Aug-10	18:32	133	9.06	5.4	8.8	5.5	11.5	0	

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KANSAS CORPORATION COMMISSION  
**DEC 06 2006**  
CONSERVATION DIVISION  
WICHITA, KS

Well		Field		Service Date		Customer		Job Number	
MLP BRUNO #A-1				06222-Aug-10		OXY RESOURCE CALIFORNIA LLC		2205551565	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Aug-10	18:32								Reset Total, Vol = 8.85 bbl
2006-Aug-10	18:32	133	9.13	5.4	0.1	5.5	0.1	0	
2006-Aug-10	18:32								Reset Total, Vol = 0.09 bbl
2006-Aug-10	18:32	105	9.74	5.4	1.3	5.3	1.4	0	
2006-Aug-10	18:32	142	10.11	5.4	4.0	5.5	4.0	0	
2006-Aug-10	18:33	146	10.40	5.5	6.8	5.6	6.8	0	
2006-Aug-10	18:33	151	10.55	5.5	9.5	5.5	9.6	0	
2006-Aug-10	18:34	151	11.60	5.5	12.3	5.5	12.3	0	
2006-Aug-10	18:34	146	11.75	5.6	15.0	5.6	15.1	0	
2006-Aug-10	18:35	174	11.77	5.6	17.8	5.6	17.9	0	
2006-Aug-10	18:35	119	11.88	5.6	20.6	5.4	20.6	0	
2006-Aug-10	18:36	142	12.11	5.6	23.4	5.2	23.3	0	
2006-Aug-10	18:36	174	12.25	5.6	26.2	5.4	25.9	0	
2006-Aug-10	18:37	156	12.35	5.7	29.1	5.5	28.7	0	
2006-Aug-10	18:37	146	12.30	5.7	31.9	5.6	31.4	0	
2006-Aug-10	18:38	156	12.27	5.7	34.8	5.7	34.3	0	
2006-Aug-10	18:38	128	12.28	5.7	37.6	5.6	37.1	0	
2006-Aug-10	18:39	110	12.29	5.8	40.5	5.6	39.9	0	
2006-Aug-10	18:39	128	12.29	5.8	43.4	5.7	42.7	0	
2006-Aug-10	18:40	160	12.30	5.8	46.3	5.6	45.5	0	
2006-Aug-10	18:40	114	12.27	5.8	49.2	5.7	48.3	0	
2006-Aug-10	18:41	133	12.21	5.8	52.1	5.7	51.2	0	
2006-Aug-10	18:41	119	12.15	5.8	55.0	5.8	54.0	0	
2006-Aug-10	18:42	151	12.25	5.9	57.9	5.7	56.9	0	
2006-Aug-10	18:42	137	12.31	5.9	60.8	5.8	59.8	0	
2006-Aug-10	18:43	160	12.43	5.9	63.8	5.7	62.6	0	
2006-Aug-10	18:43	146	12.42	5.9	66.7	5.8	65.5	0	
2006-Aug-10	18:44	137	12.24	5.9	69.7	6.0	68.5	0	
2006-Aug-10	18:44	137	12.22	5.9	72.6	6.0	71.5	0	
2006-Aug-10	18:45	137	12.27	6.0	75.6	6.2	74.5	0	
2006-Aug-10	18:45	137	11.66	5.9	78.5	6.1	77.5	0	
2006-Aug-10	18:46	119	12.14	5.4	81.3	5.4	80.4	0	
2006-Aug-10	18:46	151	12.50	6.0	84.1	5.7	83.1	0	
2006-Aug-10	18:47	128	12.31	6.0	87.1	5.9	86.0	0	
2006-Aug-10	18:47	137	12.09	6.0	90.1	6.0	89.0	0	
2006-Aug-10	18:48	114	12.27	6.0	93.0	5.9	92.0	0	
2006-Aug-10	18:48	128	12.37	6.0	96.0	5.9	94.9	0	
2006-Aug-10	18:49	142	12.33	6.0	99.0	6.2	97.9	0	
2006-Aug-10	18:49	133	12.19	6.0	102.0	6.1	101.0	0	
2006-Aug-10	18:50	133	12.01	6.0	105.0	6.0	104.0	0	
2006-Aug-10	18:50	128	12.04	6.0	108.0	6.0	107.0	0	
2006-Aug-10	18:51	124	12.01	5.8	110.9	5.9	110.0	0	
2006-Aug-10	18:51	124	12.10	5.7	113.8	5.6	112.8	0	
2006-Aug-10	18:52	124	12.29	5.7	116.6	5.6	115.5	0	
2006-Aug-10	18:52	133	12.28	5.7	119.5	5.7	118.3	0	
2006-Aug-10	18:53	124	12.40	5.7	122.4	5.7	121.2	0	
2006-Aug-10	18:53	114	12.53	5.7	125.2	5.6	124.0	0	
2006-Aug-10	18:54	119	12.34	5.7	128.1	5.5	126.8	0	
2006-Aug-10	18:54	105	12.33	5.7	130.9	5.6	129.6	0	
2006-Aug-10	18:55	142	12.24	5.7	133.8	5.7	132.4	0	
2006-Aug-10	18:55	137	12.21	5.7	136.6	5.7	135.2	0	
2006-Aug-10	18:56	128	12.25	5.7	139.5	5.8	138.1	0	
2006-Aug-10	18:56	133	12.03	5.7	142.4	5.9	141.0	0	
2006-Aug-10	18:57	124	12.60	5.7	145.2	6.0	144.0	0	

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**WICHITA, KS**

Well		Field		Service Date		Customer		Job Number	
MLP BRUNO #A-1				06222-Aug-10		OXY RESOURCE CALIFORNIA LLC		2205551565	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Aug-10	18:57	142	12.62	5.7	148.1	5.9	146.9	0	
2006-Aug-10	18:58	137	12.01	5.7	150.9	5.9	149.9	0	
2006-Aug-10	18:58	142	12.72	5.7	153.8	5.9	152.9	0	
2006-Aug-10	18:59	133	12.25	5.8	156.7	5.8	155.8	0	
2006-Aug-10	18:59	92	11.72	5.7	159.6	5.7	158.7	0	
2006-Aug-10	19:00	101	12.34	5.7	162.4	5.6	161.6	0	
2006-Aug-10	19:00	96	12.37	5.7	165.3	5.5	164.3	0	
2006-Aug-10	19:01	101	12.10	5.8	168.2	5.7	167.1	0	
2006-Aug-10	19:01	146	12.82	5.8	171.0	5.5	169.9	0	
2006-Aug-10	19:02	169	12.80	6.1	174.0	6.1	172.8	0	
2006-Aug-10	19:02	114	12.32	5.8	177.0	5.6	175.7	0	
2006-Aug-10	19:03	137	12.21	5.8	179.8	5.8	178.5	0	
2006-Aug-10	19:03	105	12.43	5.8	182.7	5.7	181.4	0	
2006-Aug-10	19:04	133	12.54	5.8	185.6	5.7	184.3	0	
2006-Aug-10	19:04	151	12.53	6.0	188.6	5.9	187.2	0	
2006-Aug-10	19:05	114	12.38	5.9	191.6	6.0	190.2	0	
2006-Aug-10	19:05	133	11.99	5.8	194.5	5.8	193.1	0	
2006-Aug-10	19:06	133	12.35	5.8	197.4	5.9	196.0	0	
2006-Aug-10	19:06	133	12.31	5.8	200.3	5.8	199.0	0	
2006-Aug-10	19:07	133	12.30	5.8	203.2	5.8	201.9	0	
2006-Aug-10	19:07	151	12.26	5.8	206.0	5.9	204.8	0	
2006-Aug-10	19:08	137	12.24	5.8	208.9	5.9	207.7	0	
2006-Aug-10	19:08	146	12.20	5.8	211.8	6.0	210.7	0	
2006-Aug-10	19:09	146	12.30	5.8	214.7	6.0	213.7	0	
2006-Aug-10	19:09	156	12.52	5.8	217.6	6.0	216.7	0	
2006-Aug-10	19:10	165	12.56	5.8	220.5	6.0	219.6	0	
2006-Aug-10	19:10								End Lead Slurry
2006-Aug-10	19:10	160	12.59	5.8	220.7	6.0	219.8	0	
2006-Aug-10	19:10								Start Mixing Tail Slurry
2006-Aug-10	19:10	165	12.56	5.8	220.9	6.0	220.0	0	
2006-Aug-10	19:10	169	12.51	5.8	221.1	6.0	220.2	0	
2006-Aug-10	19:10								Reset Total, Vol = 221.00 bbl
2006-Aug-10	19:10	183	13.40	5.8	2.3	6.0	2.4	0	
2006-Aug-10	19:11	201	13.98	5.8	5.2	6.0	5.4	0	
2006-Aug-10	19:11	201	14.43	5.8	8.1	6.0	8.4	0	
2006-Aug-10	19:12	229	15.01	5.8	10.9	6.0	11.4	0	
2006-Aug-10	19:12	229	15.01	5.8	13.9	6.0	14.4	0	
2006-Aug-10	19:13	220	15.01	5.8	16.8	6.0	17.4	0	
2006-Aug-10	19:13	224	14.94	5.8	19.7	6.0	20.4	0	
2006-Aug-10	19:14	224	14.96	5.8	22.6	6.0	23.4	0	
2006-Aug-10	19:14	224	14.96	5.8	25.5	6.0	26.4	0	
2006-Aug-10	19:15	206	14.94	5.8	28.4	6.0	29.4	0	
2006-Aug-10	19:15	211	14.90	5.9	31.4	6.0	32.4	0	
2006-Aug-10	19:16	211	14.88	5.8	34.3	6.0	35.4	0	
2006-Aug-10	19:16	215	14.90	5.9	37.2	6.0	38.5	0	
2006-Aug-10	19:17	206	14.92	5.9	40.1	6.0	41.5	0	
2006-Aug-10	19:17	174	14.85	5.5	43.0	5.7	44.5	0	
2006-Aug-10	19:18	92	15.30	3.7	45.1	3.9	46.8	0	
2006-Aug-10	19:18	124	15.21	3.7	46.9	4.7	48.9	0	
2006-Aug-10	19:19	-14	13.72	0.0	48.0	3.2	50.4	0	
2006-Aug-10	19:19								End Tail Slurry
2006-Aug-10	19:19	-14	13.68	0.0	48.0	2.2	50.5	0	
2006-Aug-10	19:19								Drop Top Plug
2006-Aug-10	19:19								Start Displacement

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Well		Field		Service Date		Customer		Job Number	
MLP BRUNO #A-1				06222-Aug-10		OXY RESOURCE CALIFORNIA LLC		2205551565	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Aug-10	19:19	-14	13.66	0.0	48.0	1.4	50.5	0	
2006-Aug-10	19:19								Reset Total, Vol = 48.04 bbl
2006-Aug-10	19:19	-14	13.63	0.0	48.0	0.0	50.5	0	
2006-Aug-10	19:19	-14	13.66	0.0	0.0	0.0	0.0	0	
2006-Aug-10	19:20	-14	13.66	0.0	0.0	0.0	0.0	0	
2006-Aug-10	19:20	-14	11.81	0.0	0.0	0.0	0.0	0	
2006-Aug-10	19:21	-14	10.82	0.0	0.0	0.0	0.0	0	
2006-Aug-10	19:21	-14	10.41	0.0	0.0	0.0	0.0	0	
2006-Aug-10	19:22	87	9.00	4.8	0.3	4.2	0.4	0	
2006-Aug-10	19:22	78	8.99	5.6	3.1	5.9	3.2	0	
2006-Aug-10	19:23	87	8.35	5.6	5.8	5.8	6.2	0	
2006-Aug-10	19:23	82	8.33	5.5	8.6	5.7	9.1	0	
2006-Aug-10	19:24	101	8.43	5.6	11.4	5.8	11.9	0	
2006-Aug-10	19:24	78	8.43	4.8	14.1	5.0	14.7	0	
2006-Aug-10	19:25	87	8.33	4.8	16.5	4.9	17.2	0	
2006-Aug-10	19:25	92	8.33	4.8	18.8	4.8	19.6	0	
2006-Aug-10	19:26	110	8.35	4.8	21.2	4.9	22.0	0	
2006-Aug-10	19:26	114	8.35	4.8	23.6	4.9	24.5	0	
2006-Aug-10	19:27	119	8.33	4.7	26.0	4.9	26.9	0	
2006-Aug-10	19:27	128	8.33	4.7	28.3	4.8	29.3	0	
2006-Aug-10	19:28	124	8.33	4.7	30.7	4.9	31.7	0	
2006-Aug-10	19:28	146	8.33	4.8	33.1	4.8	34.2	0	
2006-Aug-10	19:29	151	8.33	4.7	35.5	4.8	36.6	0	
2006-Aug-10	19:29	160	8.33	4.7	37.8	4.8	39.0	0	
2006-Aug-10	19:30	165	8.33	4.8	40.2	4.8	41.4	0	
2006-Aug-10	19:30	169	8.33	4.6	42.6	4.8	43.8	0	
2006-Aug-10	19:31	174	8.33	4.4	44.8	4.5	46.1	0	
2006-Aug-10	19:31	183	8.33	4.4	47.0	4.5	48.3	0	
2006-Aug-10	19:32	183	8.33	4.4	49.2	4.5	50.6	0	
2006-Aug-10	19:32	211	8.33	4.4	51.4	4.5	52.8	0	
2006-Aug-10	19:33	220	8.31	4.4	53.6	4.6	55.1	0	
2006-Aug-10	19:33	243	8.33	4.4	55.8	4.5	57.4	0	
2006-Aug-10	19:34	238	8.33	4.4	58.1	4.5	59.6	0	
2006-Aug-10	19:34	256	8.34	4.4	60.3	4.5	61.9	0	
2006-Aug-10	19:35	284	8.34	4.4	62.5	4.5	64.1	0	
2006-Aug-10	19:35	288	8.33	4.4	64.7	4.5	66.3	0	
2006-Aug-10	19:36	302	8.33	4.4	66.9	4.5	68.6	0	
2006-Aug-10	19:36	311	8.33	4.4	69.1	4.5	70.8	0	
2006-Aug-10	19:37	343	8.33	4.4	71.3	4.5	73.1	0	
2006-Aug-10	19:37	343	8.33	4.4	73.6	4.5	75.3	0	
2006-Aug-10	19:38	375	8.32	4.4	75.8	4.5	77.5	0	
2006-Aug-10	19:38	371	8.33	4.4	78.0	4.5	79.8	0	
2006-Aug-10	19:39	385	8.33	4.4	80.2	4.5	82.0	0	
2006-Aug-10	19:39	412	8.33	4.4	82.4	4.5	84.3	0	
2006-Aug-10	19:40	435	8.32	4.4	84.6	4.5	86.5	0	
2006-Aug-10	19:40	435	8.32	4.4	86.8	4.5	88.7	0	
2006-Aug-10	19:41	453	8.32	4.4	89.0	4.5	91.0	0	
2006-Aug-10	19:41	471	8.33	4.4	91.3	4.5	93.2	0	
2006-Aug-10	19:42	476	8.32	4.4	93.5	4.5	95.5	0	
2006-Aug-10	19:42	508	8.32	4.4	95.7	4.5	97.7	0	
2006-Aug-10	19:43	499	8.32	4.4	97.9	4.5	99.9	0	
2006-Aug-10	19:43	517	8.32	4.4	100.1	4.5	102.2	0	
2006-Aug-10	19:44	526	8.32	4.4	102.3	4.5	104.4	0	
2006-Aug-10	19:44	568	8.32	4.4	104.5	4.5	106.6	0	

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Well		Field		Service Date		Customer		Job Number	
MLP BRUNO #A-1				06222-Aug-10		OXY RESOURCE CALIFORNIA LLC		2205551565	
Date	Time	Treating Pressure	Density	CMT RATE	CMT VOL	CS NRD RATE	CS NRD TOTAL	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2006-Aug-10	19:45	554	8.32	4.4	106.8	4.4	108.9	0	
2006-Aug-10	19:45	545	8.32	3.6	108.6	3.7	110.8	0	
2006-Aug-10	19:46	554	8.32	3.6	110.4	3.6	112.6	0	
2006-Aug-10	19:46	549	8.32	2.4	111.7	2.5	114.0	0	
2006-Aug-10	19:47	618	8.33	2.4	112.9	2.5	115.3	0	
2006-Aug-10	19:47	1108	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:48								Bump Top Plug
2006-Aug-10	19:48	1108	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:48	1103	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:48								End Displacement
2006-Aug-10	19:48	1103	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:48	37	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:49	0	8.33	0.0	113.2	0.0	115.6	0	
2006-Aug-10	19:49	0	8.33	0.0	113.2	0.0	115.6	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	248.8		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
554		250	1108		bbl	8.33 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 50 bbl <input type="checkbox"/> Washed Thru Perfs To ft					
%	248.8 bbl	113 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			
Bevans, Ronald			Flanagan, Patrick						

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<b>Spacer and Water</b>			
Spacer(bbls)	10	Spcr Hydro(PSI)	58.93
		Total Water(bbls)	408.48
<b>Cement Totals</b>			
Lead sks	570	Lead CF	1242.6
Yeild	2.18	Lead(bbls)	221.31
Water req.	7011	BBLs Water	166.93
Weight	12.2	Lead Height(ft)	1234.44
		Lead Hydro(PSI)	783.13
		Excess(bbls)	130.58
<b>Tail</b>			
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)	595.56
		Tail Hydro(PSI)	458.34
<b>Pipe Information</b>			
Casing ID	8.097		
Casing OD	8.625		
Casing Weight	24		
bbls/ft casing	0.0637	Casing cap.(bbls)	116.74
Casing length	1832.7	Displacement(bbls)	113.98
Shoe length	43.39	Shoe Cap.(bbls)	2.763943
bbls/ft annular	0.0735	Annular cap.(bbls)	134.51
Annular length	1830		
<b>Bump &amp; Lift</b>			
Displ Fluid Wt.	8.33	Disp Hydro(PSI)	775.06
Drilling Fluid Wt.	0.00	Lift(PSI)	466.41
		Casing Lift(PSI)	687.02

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# Cementing Service Report

KCC

DEC 05 2006

Customer OXY RESOURCE CALIFORNIA LLC	Job Number 2205551606
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**CONFIDENTIAL**

Well <b>MLP BRUNO A 1</b>		Location (legal)		Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2006-Aug-19</b>			
Field <b>EUBANK</b>		Formation Name/Type		Deviation °		Well MD <b>5,575 ft</b>			
County <b>Haskell</b>		State/Province <b>KS</b>		BHP psi		Well TVD <b>5,575 ft</b>			
Well Master: <b>0630836688</b>		API / UWI: <b>15081216750000</b>		Casing/Liner					
Rig Name <b>MURFIN 20</b>		Drilled For <b>Oil</b>		Service Via <b>Land</b>		Depth, ft <b>5565.64</b>			
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</b>		Size, in <b>5.5</b>			
Drilling Fluid Type		Max. Density <b>8.9 lb/gal</b>		Plastic Vt: <b>cp</b>		Weight, lb/ft <b>17</b>			
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>		Tubing/Drill Pipe					
Max. Allowed Tubing Pressure <b>2000 psi</b>		Max. Allowed Ann. Pressure psi		WellHead Connection <b>5 1/2" H &amp; M</b>		Grade ft			
Service Instructions <b>CEMENT 5 1/2" PROD CASING WITH: Wash: 20 bbl CW100 Tail: 200 sx 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.25%D112+ 0.25%D65+0.25%D46 25sks for Rodent holes</b>		Top, ft		Bottom, ft		Total Interval ft			
		spf		No. of Shots		Diameter in			
		Treat Down <b>Casing</b>		Displacement <b>128.1 bbl</b>		Packer Type ft			
		Tubing Vol <b>bbl</b>		Casing Vol <b>129.1 bbl</b>		Annular Vol. <b>171.75 bbl</b>			
						OpenHole Vol <b>bbl</b>			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: <b>750 psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: <b>Guide</b>			
No. Centralizers: <b>1</b>		Top Plugs: <b>1</b>		Bottom Plugs:		Shoe Depth: <b>5569 ft</b>			
Cement Head Type: <b>Single</b>		Stage Tool Type:		Tool Depth: <b>ft</b>		Tool Type:			
Job Scheduled For: <b>8/19/2006 2:00</b>		Arrived on Location: <b>2006-Aug-19 2:00</b>		Leave Location: <b>2006-Aug-19 8:00</b>		Stage Tool Depth: <b>ft</b>			
		Collar Type: <b>Auto-Fill</b>		Tail Pipe Size: <b>in</b>		Tail Pipe Depth: <b>ft</b>			
		Collar Depth: <b>5526 ft</b>		Sqz Total Vol: <b>bbl</b>					
Date	Time	Pressure psi	Density lb/gal	Rate bbl/mln	Volume bbl	0	0	0	Message
2006-Aug-19	5:09	0	8.26	0.0	0.0	0	0	0	
2006-Aug-19	5:09	0	8.27	0.0	0.0	0	0	0	
2006-Aug-19	5:09								Pressure Test Lines
2006-Aug-19	5:09	0	8.27	0.0	0.0	0	0	0	
2006-Aug-19	5:10	0	8.28	0.0	0.0	0	0	0	
2006-Aug-19	5:10	0	8.28	0.0	0.0	0	0	0	
2006-Aug-19	5:11	0	8.28	0.0	0.0	0	0	0	
2006-Aug-19	5:11	23	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:12	0	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:12	2408	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:13	3456	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:13	5	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:14								Start Pumping Wash
2006-Aug-19	5:14	5	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:14	5	8.31	0.0	0.0	0	0	0	
2006-Aug-19	5:14	151	8.28	3.4	0.6	0	0	0	
2006-Aug-19	5:15	188	8.33	3.8	2.4	0	0	0	
2006-Aug-19	5:15	174	8.32	3.9	4.4	0	0	0	
2006-Aug-19	5:16	169	8.31	3.9	6.4	0	0	0	
2006-Aug-19	5:16	179	8.31	3.9	8.3	0	0	0	
2006-Aug-19	5:17	183	8.31	3.9	10.3	0	0	0	
2006-Aug-19	5:17	188	8.29	3.9	12.2	0	0	0	

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Well		Field		Service Date		Customer			Job Number
MLP BRUNO A #1		EUBANK		06231-Aug-19		OXY RESOURCE CALIFORNIA LLC			2205551606
Date	Time	Pressure	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psl	lb/gal	bbl/min	bbl	0	0	0	
2006-Aug-19	5:18	188	8.31	3.9	14.2	0	0	0	
2006-Aug-19	5:18	183	8.31	3.9	16.1	0	0	0	
2006-Aug-19	5:19	188	8.31	3.9	18.1	0	0	0	
2006-Aug-19	5:19	197	8.31	3.9	20.0	0	0	0	
2006-Aug-19	5:19	27	8.32	1.5	21.3	0	0	0	
2006-Aug-19	5:19								Reset Total, Vol = 21.32 bbl
2006-Aug-19	5:20								Pump Rat & Mouse Holes
2006-Aug-19	5:20	18	8.32	0.0	0.0	0	0	0	
2006-Aug-19	5:20	14	8.32	0.0	0.0	0	0	0	
2006-Aug-19	5:20	27	6.42	0.1	0.1	0	0	0	
2006-Aug-19	5:21	23	6.93	0.0	0.1	0	0	0	
2006-Aug-19	5:21	23	8.27	0.0	0.1	0	0	0	
2006-Aug-19	5:22	23	8.28	0.0	0.1	0	0	0	
2006-Aug-19	5:22	23	11.14	0.0	0.1	0	0	0	
2006-Aug-19	5:23	23	13.56	0.0	0.1	0	0	0	
2006-Aug-19	5:23	23	13.74	0.0	0.1	0	0	0	
2006-Aug-19	5:24	0	13.69	0.0	0.1	0	0	0	
2006-Aug-19	5:24	73	13.66	1.7	0.2	0	0	0	
2006-Aug-19	5:25	92	13.66	2.1	1.2	0	0	0	
2006-Aug-19	5:25	0	13.65	0.5	1.8	0	0	0	
2006-Aug-19	5:26	5	13.56	0.0	1.9	0	0	0	
2006-Aug-19	5:26	5	9.93	0.0	1.9	0	0	0	
2006-Aug-19	5:27	5	9.95	0.0	1.9	0	0	0	
2006-Aug-19	5:27	0	9.95	0.0	1.9	0	0	0	
2006-Aug-19	5:28	0	9.94	0.0	1.9	0	0	0	
2006-Aug-19	5:28	0	9.92	0.0	1.9	0	0	0	
2006-Aug-19	5:29	0	10.47	0.0	1.9	0	0	0	
2006-Aug-19	5:29	0	11.08	0.0	1.9	0	0	0	
2006-Aug-19	5:29								Reset Total, Vol = 3 bbl
2006-Aug-19	5:29	0	11.77	0.0	1.9	0	0	0	
2006-Aug-19	5:30	0	11.92	0.0	0.0	0	0	0	
2006-Aug-19	5:30	0	13.66	0.0	0.0	0	0	0	
2006-Aug-19	5:31	55	13.68	1.2	0.1	0	0	0	
2006-Aug-19	5:31	87	13.70	1.3	0.8	0	0	0	
2006-Aug-19	5:32	50	8.39	0.9	1.1	0	0	0	
2006-Aug-19	5:32	50	8.31	0.8	1.2	0	0	0	
2006-Aug-19	5:32								Reset Total, Vol = 3 bbl
2006-Aug-19	5:32	0	8.06	0.0	0.0	0	0	0	
2006-Aug-19	5:32								Start Mixing Tail Slurry
2006-Aug-19	5:32	0	7.73	0.0	0.0	0	0	0	
2006-Aug-19	5:33	0	8.06	0.2	0.1	0	0	0	
2006-Aug-19	5:33	5	8.25	0.0	0.2	0	0	0	
2006-Aug-19	5:34	0	9.11	0.0	0.2	0	0	0	
2006-Aug-19	5:34	0	9.11	0.0	0.2	0	0	0	
2006-Aug-19	5:35	0	9.09	0.0	0.2	0	0	0	
2006-Aug-19	5:35	0	9.11	0.0	0.2	0	0	0	
2006-Aug-19	5:36	0	9.09	0.0	0.2	0	0	0	
2006-Aug-19	5:36	9	9.08	0.0	0.2	0	0	0	
2006-Aug-19	5:37	9	9.27	0.0	0.2	0	0	0	
2006-Aug-19	5:37	348	12.66	1.0	0.5	0	0	0	
2006-Aug-19	5:38	348	13.66	3.6	1.9	0	0	0	
2006-Aug-19	5:38	352	13.93	4.8	4.1	0	0	0	
2006-Aug-19	5:39	307	13.93	4.8	6.4	0	0	0	
2006-Aug-19	5:39	275	13.97	5.2	8.9	0	0	0	

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Well			Field		Service Date		Customer			Job Number
MLP BRUNO A #1			EUBANK		06231-Aug-19		OXY RESOURCE CALIFORNIA LLC			2205551606
Date	Time	Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Aug-19	5:40	247	13.96	5.4	11.6	0	0	0		
2006-Aug-19	5:40	211	13.81	5.5	14.3	0	0	0		
2006-Aug-19	5:41	197	13.76	5.5	17.0	0	0	0		
2006-Aug-19	5:41	192	13.67	5.5	19.8	0	0	0		
2006-Aug-19	5:42	174	13.47	5.5	22.1	0	0	0		
2006-Aug-19	5:42	188	13.75	5.5	24.9	0	0	0		
2006-Aug-19	5:43	197	13.90	5.5	27.6	0	0	0		
2006-Aug-19	5:43	197	13.88	5.5	30.4	0	0	0		
2006-Aug-19	5:44	192	13.81	5.5	33.1	0	0	0		
2006-Aug-19	5:44	188	13.71	5.5	35.9	0	0	0		
2006-Aug-19	5:45	201	14.11	5.5	38.6	0	0	0		
2006-Aug-19	5:45	197	13.84	5.5	41.4	0	0	0		
2006-Aug-19	5:46	169	13.39	5.5	44.1	0	0	0		
2006-Aug-19	5:46	188	13.53	5.5	46.8	0	0	0		
2006-Aug-19	5:47	206	14.07	5.5	49.6	0	0	0		
2006-Aug-19	5:47	188	13.75	5.5	52.3	0	0	0		
2006-Aug-19	5:48	14	13.78	2.0	54.0	0	0	0		
2006-Aug-19	5:48								Reset Total, Vol = 54.05 bbl	
2006-Aug-19	5:48	-5	11.23	0.0	54.0	0	0	0		
2006-Aug-19	5:48	-5	10.96	0.0	0.0	0	0	0		
2006-Aug-19	5:48								Wash Pump & Lines	
2006-Aug-19	5:48	-5	13.65	0.2	0.0	0	0	0		
2006-Aug-19	5:49	-5	13.17	0.0	0.0	0	0	0		
2006-Aug-19	5:49	-9	13.54	0.0	0.0	0	0	0		
2006-Aug-19	5:50	0	12.83	0.0	0.0	0	0	0		
2006-Aug-19	5:50	334	9.72	0.0	0.0	0	0	0		
2006-Aug-19	5:51	197	8.57	0.0	0.0	0	0	0		
2006-Aug-19	5:51	183	8.34	0.0	0.0	0	0	0		
2006-Aug-19	5:52	179	8.24	0.0	0.0	0	0	0		
2006-Aug-19	5:52	188	8.60	0.0	0.0	0	0	0		
2006-Aug-19	5:53	179	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:53	105	8.37	0.0	0.0	0	0	0		
2006-Aug-19	5:54	206	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:54	82	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:54	5	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:54								Drop Top Plug	
2006-Aug-19	5:54	5	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:54								Start Displacement	
2006-Aug-19	5:55	5	8.31	0.0	0.0	0	0	0		
2006-Aug-19	5:55	-9	6.74	0.0	0.0	0	0	0		
2006-Aug-19	5:56	14	8.31	2.3	0.5	0	0	0		
2006-Aug-19	5:56	78	8.31	5.6	2.6	0	0	0		
2006-Aug-19	5:57	73	8.31	5.6	5.4	0	0	0		
2006-Aug-19	5:57	69	8.31	5.6	8.2	0	0	0		
2006-Aug-19	5:58	73	8.31	5.6	11.0	0	0	0		
2006-Aug-19	5:58	73	8.31	5.6	13.8	0	0	0		
2006-Aug-19	5:59	73	8.31	5.6	16.6	0	0	0		
2006-Aug-19	5:59	78	8.31	5.6	19.5	0	0	0		
2006-Aug-19	6:00	69	8.31	5.6	22.3	0	0	0		
2006-Aug-19	6:00	73	8.31	5.6	25.1	0	0	0		
2006-Aug-19	6:01	69	8.31	5.6	27.9	0	0	0		
2006-Aug-19	6:01	73	8.31	5.6	30.7	0	0	0		
2006-Aug-19	6:02	73	8.31	5.6	33.5	0	0	0		
2006-Aug-19	6:02	78	8.31	5.6	36.4	0	0	0		

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Well			Field		Service Date		Customer			Job Number
MLP BRUNO A #1			EUBANK		06231-Aug-19		OXY RESOURCE CALIFORNIA LLC			2205551606
Date	Time	Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Aug-19	6:03	73	8.31	5.6	39.2	0	0	0		
2006-Aug-19	6:03	69	8.31	5.6	42.0	0	0	0		
2006-Aug-19	6:04	69	8.31	5.6	44.8	0	0	0		
2006-Aug-19	6:04	78	8.31	5.6	47.6	0	0	0		
2006-Aug-19	6:05	78	8.31	5.6	50.4	0	0	0		
2006-Aug-19	6:05	69	8.31	5.6	53.3	0	0	0		
2006-Aug-19	6:06	69	8.31	5.6	56.1	0	0	0		
2006-Aug-19	6:06	69	8.31	5.6	58.9	0	0	0		
2006-Aug-19	6:07	69	8.31	5.6	61.7	0	0	0		
2006-Aug-19	6:07	73	8.31	5.6	64.5	0	0	0		
2006-Aug-19	6:08	69	8.31	5.6	67.3	0	0	0		
2006-Aug-19	6:08	73	8.31	5.6	70.1	0	0	0		
2006-Aug-19	6:09	69	8.31	5.6	73.0	0	0	0		
2006-Aug-19	6:09	73	8.31	5.6	75.8	0	0	0		
2006-Aug-19	6:10	78	8.31	5.6	78.6	0	0	0		
2006-Aug-19	6:10	73	8.31	5.6	81.4	0	0	0		
2006-Aug-19	6:11	69	8.31	5.6	84.2	0	0	0		
2006-Aug-19	6:11	73	8.31	5.6	87.0	0	0	0		
2006-Aug-19	6:12	73	8.31	5.6	89.9	0	0	0		
2006-Aug-19	6:12	146	8.31	5.7	92.7	0	0	0		
2006-Aug-19	6:13	197	8.31	5.6	95.5	0	0	0		
2006-Aug-19	6:13	270	8.31	5.6	98.3	0	0	0		
2006-Aug-19	6:14	316	8.31	5.6	101.1	0	0	0		
2006-Aug-19	6:14	385	8.30	5.6	103.9	0	0	0		
2006-Aug-19	6:15	462	8.31	5.6	106.7	0	0	0		
2006-Aug-19	6:15	536	8.31	5.6	109.6	0	0	0		
2006-Aug-19	6:16	545	8.31	5.6	112.4	0	0	0		
2006-Aug-19	6:16	636	8.31	5.6	115.2	0	0	0		
2006-Aug-19	6:17	687	8.31	5.5	118.0	0	0	0		
2006-Aug-19	6:17	536	8.31	2.5	119.3	0	0	0		
2006-Aug-19	6:18	568	8.31	2.5	120.5	0	0	0		
2006-Aug-19	6:18	623	8.31	2.5	121.8	0	0	0		
2006-Aug-19	6:19	650	8.31	2.5	123.0	0	0	0		
2006-Aug-19	6:19	677	8.31	2.5	124.3	0	0	0		
2006-Aug-19	6:20	668	8.31	2.5	125.5	0	0	0		
2006-Aug-19	6:20	696	8.31	2.5	126.7	0	0	0		
2006-Aug-19	6:21	1140	8.31	0.0	127.6	0	0	0		
2006-Aug-19	6:21	1103	8.31	0.0	127.6	0	0	0		
2006-Aug-19	6:22	444	8.31	0.0	127.6	0	0	0		
2006-Aug-19	6:22	0	8.31	0.0	127.6	0	0	0		
2006-Aug-19	6:22								Reset Total, Vol = 127.1 bbl	
2006-Aug-19	6:22	0	8.31	0.0	0.0	0	0	0		
2006-Aug-19	6:22								Bump Top Plug	
2006-Aug-19	6:22	0	8.31	0.0	0.0	0	0	0		
2006-Aug-19	6:22								Float Holding	
2006-Aug-19	6:22	0	8.31	0.0	0.0	0	0	0		

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Well MLP BRUNO A #1			Field EUBANK			Service Date 06231-Aug-19		Customer OXY RESOURCE CALIFORNIA LLC			Job Number 2205551606	
Date	Time 24 hr clock	Pressure psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0	0	Message			
						0	0	0				
<b>Post Job Summary</b>												
Average Pump Rates, bpm					Volume of Fluid Injected, bbl							
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2				
4			5.7		54		20					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum	Final	Average	Bump Plug to	Breakdown	Volume			Density				
750		250	1200					8.34 lb/gal				
Avg. N2 Percent		Designed Slurry Volume		Displacement		Mix Water Temp		<input type="checkbox"/> Cement Circulated to Surface?		Volume		
%		55 bbl		128.1 bbl		°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		
Bevans, Ron								Ousley, John				

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Client: Oxy USA  
 Well Name: MLP Bruno 'A'  
 Well Number: 1  
 Legal Location: Sec 34 -T 29S -R 34W  
 Field: Eubank  
 County: Haskell  
 State: Kansas

Job Date: 8/19/2006  
 Job Number: 2205551606  
 Job Type: Longstring  
 Hole Size: 7 7/8  
 Casing Size: 5 1/2  
 Total Depth: 5575  
 DV Tool @

**Fluid Systems**

<b>Mud:</b>	bbl				
weight:	8.9 lb/gal				
height	0 feet				
<b>Wash:</b>	20 bbl	CW100			
weight:	8.35 lb/gal		volumes:	112 cuft	slurry: 20 bbls
yield:	cuft/sk		height:	648 feet	water: 20 bbls
mix req:	gal/sk				
<b>Lead:</b>	25 SKS	Rat & Mouse			
weight:	13.8 lb/gal		volumes:	39 cuft	slurry: 7 bbls
yield:	1.55 cuft/sk		height:	224 feet	water: 4 bbls
mix req:	7.1 gal/sk				Thickening Time: hr:min
<b>Tail:</b>	200 SKS	50/50 Poz H+2%D20+3%M117+0.25%D46+0.25%D65+0.25%D112+5 pps D42+5 pps D53			
weight:	13.8 lb/gal		volumes:	310 cuft	slurry: 55 bbls
yield:	1.55 cuft/sk		height:	1,789 feet	water: 34 bbls
mix req:	7.1 gal/sk				Thickening Time: hr:min
<b>Displacement:</b>	128.11 bbl	Fresh Water			density 8.33 lb/gal
Total:	128.11 bbl				

**Casing Data**

O.D.	5.500 inches	CSG vol:	0.0232 bbl/ft	Ann. vol:	0.0309 bbl/ft
I.D.	4.892 inches	OH vol:	0.0602 bbl/ft		5.7715 ft/cuft
Csg Wt:	Feet	volume		Shoe Joint Length	
0.0232	17	5564.64	129.10 bbls.	Csg:	42.64 feet
0.0238	15.5		0.00 bbls.	Shoe:	1.00 feet
0.0232	17		0.00 bbls.	Collar:	feet

**Volumes**

Total Depth	5575 feet	9.36 Of Rat Hole	Open Hole	335.86 bbls.
Total Pipe	5565.64 feet	129.12 bbls.	Annulus	171.75 bbls.
Shoe Joint	43.64 feet	1.01 bbls.		
Float Collar@	5522 feet	128.11 bbls.	Total Water	243 bbls needed
TOC LEAD	3,553 ft	Final Diff. Pressure	750 psi	
TOC TAIL	3,776 ft	Bump Top Plug to	1200 psi @ approx. 6:22	hours
Excess	15 %			

Casing Wt (Air)	94,599 lbs.	Casing Area ID	18.7959 sq in.
Hyd PSI(Annulus)	3,070 psi	Hyd PSI(Casing)	2,423 psi
Csg Cross Sect.	4.9624 sq in.	#VALUE!	2,423
Bouyancy	15,235 lbs.	Casing Lift Pressure	4,222 psi
Hook Load	79,364 lbs.	Differential Lift Pressure	648 psi

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