

**CONFIDENTIAL**

**ORIGINAL**

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: NCRA  
Operator Contact Person: Vicki Carder  
Phone: (620) 629-4200  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: Zach Heflin  
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. \_\_\_\_\_  
09/15/03 09/22/03 10/07/03  
Spud Date or  Date Reached TD  Completion Date or  
Recompletion Date  Recompletion Date

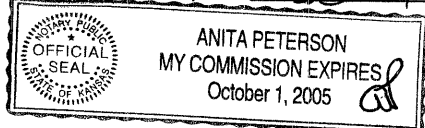
API No. 15 - 081-21474-0000  
County: Haskell  
W/2 - SW - SW Sec 18 Twp. 27 S. R. 34W  
603 feet from (S) N (circle one) Line of Section  
374 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Berger B Well #: 2  
Field Name: Ladner  
Producing Formation: Morrow  
Elevation: Ground: 3024 Kelly Bushing: 3035  
Total Depth: 5522 Plug Back Total Depth: 5317  
Amount of Surface Pipe Set and Cemented at 1878 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 cmf.

Drilling Fluid Management Plan ATI W/HM 2-28-07  
(Data must be collected from the Reserve Pit)  
Chloride content 1100 ppm Fluid volume 1550 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 01/05/04  
Subscribed and sworn to before me this 5<sup>th</sup> day of Jan  
20 04  
Notary Public: Anita Peterson  
Date Commission Expires: Oct. 1, 2005



**KCC Office Use Only**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

X

Side Two

Operator Name: OXY USA Inc. Lease Name: Berger B Well #: 2

Sec. 18 Twp. 27 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 <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	Heebner	3960	-925
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4004	-969
List All E. Logs Run:	Induction      Sonic	Marmaton	4628	-1593
Microlog      Neutron      Geological Report		Cherokee	4774	-1739
		Atoka	5024	-1989
		Morrow	5084	-2049
		Chester	5330	-2295
		St. Genevieve	5446	-2411

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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set(in. O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor					C		
Surface	12 1/4	8 5/8	24	1878	C	600	Panhandle lite C+ Additives See Attached Cmt Tkt for Additives
Production	7 7/8	5 1/2	15.5	5361	H	155	50/50 lite poz H + Additives See Attached Cmt Tkt for 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	5133-5135, 5149-5153, 5169-5178, 5192-5194	Acidize - 3600 gjs 17% HCL/MCA	

TUBING RECORD	Size 2 7/8	Set At 5239	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. 10/09/03	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 72	Gas Mcf 10	Water Bbls 5	Gas-Oil Ratio 138.89	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) \_\_\_\_\_

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**Schlumberger KCC WICHITA Service Order**

2003-Sep-15

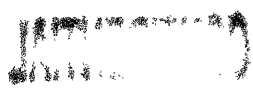
Customer OXY USA, INC.		Person Taking Call Apisitsarekul, Prayut		Dowell Location Perryton, TX		OrderDate 2003-Sep-16		Job Number 2205543837			
Well Name and Number Berger 2			Legal Location		Field		County Haskell		State/Province KS		
Well Master: 0630531169			API / UWI:								
Rig Name			Well Age New		Sales Engineer Cambem, Charles			Job Type Cem Surface Casing			
Time Well Ready: 9/17/2003		Deviation	Bit Size 12.3 in	Well MD 1,900 ft	Well TVD 1,900 ft		BHP psi	BHST °F	BHCT °F		
Treat Down Casing	Packer Type	Packer Depth ft	WellHead Connection 8 5/8" HS&M		HHP on Location	Max Allowed Pressure		Max Allowed AnnPressure			
<b>Casing</b>					<b>Services Instructions:</b> Cement 8 5/8" Surface Casing using LEAD: 450 SKS of Panhandle Lite + Additives. TAIL: 150 SKS of C + Additives						
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread							
1900	8.63										
<b>Tubing</b>					<b>Extra Equipment:</b> 2 ABTs (1 for Lead & 1 for Tail) 1 PUMP 1 CemCAT						
Depth,	Size, in	Weight, lb/ft	Grade	Thread							
<b>Perforated Intervals</b>											
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval							
				ft							
				Diameter							
				in							
Expected On Location: 9/17/2003				Ready To Pump: 9/16/2003							

**Notes:**

**Directions:**  
 Liberal north on Hwy 83 to Hitch Feeders road, 12 West to Grant County line, 1-1/8 North, east into

**Other Notes:**

**Comments:**



**Fluid Systems:**

<b>LEAD</b>			
450 SKS Panhandle Lite + Additives (USE THE ABT THAT ALREADY HAS 230 SKS OF THIS SYSTEM ON IT)			
<i>Density:</i>	11.4 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	3.07 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	18.23 gal/sk		
<i>H2O:</i>	8203.5 gal	<i>Eq. Sack Weight:</i>	94 lb
		<i>Total Blend:</i>	450 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>	<b>Total Quantity</b>	
D046	0.188 lbs/sk	84.6	
D079	1.88 lbs/sk	846	
D053	1.88 lbs/sk	846	
D044	6 lbs/sk	2700	
D029	0.25 lbs/sk	112.5	
S001	2.82 lbs/sk	1269	
D030	0.94 lbs/sk	423	
CLASS C	94 lbs/sk	42300	

<b>TAIL</b>			
150 SKS Class C + Additives			
<i>Density:</i>	14.8 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	1.34 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	6.3 gal/sk		
<i>H2O:</i>	945 gal	<i>Eq. Sack Weight:</i>	0 lb
		<i>Total Blend:</i>	150 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>	<b>Total Quantity</b>	
S001	1.88 lbs/sk	282	
CLASS C	94 lbs/sk	14100	
D029	0.25 lbs/sk	37.5	

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Cementing Service Report

JAN 06 2004

Customer OXY USA, INC.		Job Number 2205543837							
Well Berger 2		Location (legal) Perryton, TX							
Field		Formation Name/Type							
County Haskell		State/Province KS							
Well Master: 0630531169		API / UWI:							
Rig Name		Casing/Liner							
Drilled For Oil		Service Via Land							
Offshore Zone		Well Class New							
Drilling Fluid Type		Well Type Development							
Service Line Cementing		Job Type Cem Surface Casing							
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi							
Well Head Connection 8 5/8" HS&M		Perforations/Open Hole							
Service Instructions Cement 8 5/8" Surface Casing using LEAD: 450 SKS of Panhandle Lite + Additives. TAIL: 150 SKS of C + Additives		Top, ft							
		Bottom, ft							
		spf							
		No. of Shots							
		Total Interval ft							
		Diameter in							
		Treat Down Casing							
		Displacement bbl							
		Packer Type							
		Packer Depth ft							
		Tubing Vol. bbl							
		Casing Vol. bbl							
		Annular Vol. bbl							
		Open Hole Vol bbl							
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>							
Lift Pressure: psi		Casing Tools							
Pipe Rotated <input type="checkbox"/>		Squeeze Job							
Pipe Reciprocated <input type="checkbox"/>		Shoe Type:							
No. Centralizers: Top Plugs: 1		Shoe Depth: ft							
Bottom Plugs:		Tool Type:							
Cement Head Type:		Stage Tool Type:							
Job Scheduled For: 9/16/2003 22:00		Stage Tool Depth: ft							
Arrived on Location: 2003-Sep-16 20:00		Collar Type:							
Leave Location: 2003-Sep-16 22:00		Collar Depth: ft							
		Tall Pipe Size: in							
		Tall Pipe Depth: ft							
		Sqz Total Vol: bbl							
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	0	0	0	Message
2003-Sep-16	20:55	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:55	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:55								Start Job
2003-Sep-16	20:55	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:55								Pressure Test Lines
2003-Sep-16	20:55	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:56	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:56	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:57	0	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:57	46	0.0	0.0	8.37	0	0	0	
2003-Sep-16	20:58	2161	0.0	0.1	8.36	0	0	0	
2003-Sep-16	20:58	14	0.0	0.1	8.36	0	0	0	
2003-Sep-16	20:59	9	0.0	0.1	8.36	0	0	0	
2003-Sep-16	20:59								Pressure Test Lines
2003-Sep-16	20:59	9	0.0	0.1	8.36	0	0	0	
2003-Sep-16	20:59								Start Pumping Spacer
2003-Sep-16	20:59	5	0.0	0.1	8.36	0	0	0	
2003-Sep-16	20:59	50	2.6	0.1	8.37	0	0	0	
2003-Sep-16	21:00	87	5.3	2.3	8.33	0	0	0	
2003-Sep-16	21:00	82	5.3	5.0	8.33	0	0	0	
2003-Sep-16	21:01	82	5.3	7.6	8.34	0	0	0	
2003-Sep-16	21:01	92	5.3	10.3	8.34	0	0	0	

Well		Field			Service Date		Customer		Job Number
Berger #2					03259-Sep-16		OXY USA, INC.		2205543837
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0	
2003-Sep-16	21:02	101	5.3	11.5	8.34	0	0	0	
2003-Sep-16	21:02								End Spacer
2003-Sep-16	21:02	101	5.3	11.7	8.34	0	0	0	
2003-Sep-16	21:02								Start Mixing Lead Slurry
2003-Sep-16	21:02	92	5.3	12.9	8.87	0	0	0	
2003-Sep-16	21:02								Reset Total, Vol = 13.20 bbl
2003-Sep-16	21:02	92	5.3	13.2	9.14	0	0	0	
2003-Sep-16	21:02	128	5.3	2.4	11.17	0	0	0	
2003-Sep-16	21:03	142	5.3	5.1	11.46	0	0	0	
2003-Sep-16	21:03	142	5.4	7.8	11.22	0	0	0	
2003-Sep-16	21:04	146	5.4	10.5	11.25	0	0	0	
2003-Sep-16	21:04	142	5.4	13.1	11.40	0	0	0	
2003-Sep-16	21:05	146	5.4	15.8	11.18	0	0	0	
2003-Sep-16	21:05	146	5.4	18.6	11.02	0	0	0	
2003-Sep-16	21:06	146	5.4	21.3	11.28	0	0	0	
2003-Sep-16	21:06	142	5.4	24.0	11.28	0	0	0	
2003-Sep-16	21:07	146	5.4	26.7	11.31	0	0	0	
2003-Sep-16	21:07	137	5.4	29.4	11.37	0	0	0	
2003-Sep-16	21:08	137	5.4	32.2	11.41	0	0	0	
2003-Sep-16	21:08	137	5.4	35.0	11.44	0	0	0	
2003-Sep-16	21:09	133	5.5	37.7	11.41	0	0	0	
2003-Sep-16	21:09	142	5.5	40.4	11.39	0	0	0	
2003-Sep-16	21:10	137	5.4	43.1	11.32	0	0	0	
2003-Sep-16	21:10	133	5.5	45.9	11.10	0	0	0	
2003-Sep-16	21:11	128	5.5	48.6	10.98	0	0	0	
2003-Sep-16	21:11	128	5.5	51.3	11.26	0	0	0	
2003-Sep-16	21:12	133	5.5	54.1	11.63	0	0	0	
2003-Sep-16	21:12	128	5.5	56.8	11.58	0	0	0	
2003-Sep-16	21:13	133	5.5	59.6	11.47	0	0	0	
2003-Sep-16	21:13	124	5.5	62.3	11.42	0	0	0	
2003-Sep-16	21:14	124	5.5	65.0	11.39	0	0	0	
2003-Sep-16	21:14	128	5.5	67.8	11.39	0	0	0	
2003-Sep-16	21:15	119	5.5	70.5	11.37	0	0	0	
2003-Sep-16	21:15	114	5.5	73.3	11.36	0	0	0	
2003-Sep-16	21:16	114	5.5	76.0	10.95	0	0	0	
2003-Sep-16	21:16	114	5.5	78.8	11.69	0	0	0	
2003-Sep-16	21:17	119	5.5	81.5	11.69	0	0	0	
2003-Sep-16	21:17	110	5.5	84.3	11.49	0	0	0	
2003-Sep-16	21:18	105	5.5	87.0	11.38	0	0	0	
2003-Sep-16	21:18	110	5.5	89.8	11.33	0	0	0	
2003-Sep-16	21:19	105	5.5	92.5	11.31	0	0	0	
2003-Sep-16	21:19	105	5.5	95.3	11.20	0	0	0	
2003-Sep-16	21:20	101	5.5	98.1	11.14	0	0	0	
2003-Sep-16	21:20	101	5.5	100.9	11.19	0	0	0	
2003-Sep-16	21:21	101	5.5	103.7	11.18	0	0	0	
2003-Sep-16	21:21	101	5.5	106.4	11.25	0	0	0	
2003-Sep-16	21:22	96	5.5	109.2	11.40	0	0	0	
2003-Sep-16	21:22	101	5.5	111.9	11.46	0	0	0	
2003-Sep-16	21:23	101	5.5	114.7	11.47	0	0	0	
2003-Sep-16	21:23	96	5.5	117.4	11.34	0	0	0	
2003-Sep-16	21:24	101	5.5	120.2	11.31	0	0	0	
2003-Sep-16	21:24	101	5.5	122.9	11.28	0	0	0	
2003-Sep-16	21:25	96	5.5	125.7	11.34	0	0	0	
2003-Sep-16	21:25	96	5.5	128.5	11.34	0	0	0	

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Well		Field			Service Date		Customer		Job Number
Berger #2					03259-Sep-16		OXY USA, INC.		2205543837
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0	
2003-Sep-16	21:26	96	5.5	131.2	11.31	0	0	0	
2003-Sep-16	21:26	96	5.5	134.0	11.27	0	0	0	
2003-Sep-16	21:27	96	5.5	136.7	11.30	0	0	0	
2003-Sep-16	21:27	96	5.5	139.5	11.31	0	0	0	
2003-Sep-16	21:28	96	5.5	142.2	11.37	0	0	0	
2003-Sep-16	21:28	96	5.5	145.0	11.43	0	0	0	
2003-Sep-16	21:29	101	5.5	147.8	11.39	0	0	0	
2003-Sep-16	21:29	101	5.5	150.5	11.32	0	0	0	
2003-Sep-16	21:30	96	5.5	153.3	11.43	0	0	0	
2003-Sep-16	21:30	92	5.5	156.0	11.30	0	0	0	
2003-Sep-16	21:31	87	5.5	158.8	11.04	0	0	0	
2003-Sep-16	21:31	82	5.5	161.6	10.67	0	0	0	
2003-Sep-16	21:32	87	5.5	164.4	11.24	0	0	0	
2003-Sep-16	21:32	96	5.5	167.1	11.39	0	0	0	
2003-Sep-16	21:33	92	5.5	169.9	11.34	0	0	0	
2003-Sep-16	21:33	92	5.5	172.7	11.40	0	0	0	
2003-Sep-16	21:34	96	5.5	175.4	11.46	0	0	0	
2003-Sep-16	21:34	96	5.5	178.2	11.49	0	0	0	
2003-Sep-16	21:35	96	5.5	180.9	11.11	0	0	0	
2003-Sep-16	21:35	87	5.5	183.7	10.89	0	0	0	
2003-Sep-16	21:36	92	5.5	186.4	11.17	0	0	0	
2003-Sep-16	21:36	96	5.5	189.2	11.32	0	0	0	
2003-Sep-16	21:37	101	5.5	192.0	11.37	0	0	0	
2003-Sep-16	21:37	101	5.5	194.7	11.47	0	0	0	
2003-Sep-16	21:38	101	5.5	197.5	11.44	0	0	0	
2003-Sep-16	21:38	96	5.5	200.2	11.08	0	0	0	
2003-Sep-16	21:39	96	5.5	203.0	11.18	0	0	0	
2003-Sep-16	21:39	101	5.5	205.8	11.31	0	0	0	
2003-Sep-16	21:40	105	5.5	208.5	11.47	0	0	0	
2003-Sep-16	21:40	105	5.5	211.3	11.40	0	0	0	
2003-Sep-16	21:41	101	5.5	214.0	11.32	0	0	0	
2003-Sep-16	21:41	101	5.5	216.8	11.28	0	0	0	
2003-Sep-16	21:42	105	5.5	219.5	11.37	0	0	0	
2003-Sep-16	21:42	110	5.5	222.5	11.37	0	0	0	
2003-Sep-16	21:43	105	5.5	225.3	11.43	0	0	0	
2003-Sep-16	21:43	110	5.5	228.0	11.43	0	0	0	
2003-Sep-16	21:44	110	5.5	230.8	11.49	0	0	0	
2003-Sep-16	21:44	114	5.5	233.5	11.45	0	0	0	
2003-Sep-16	21:45	114	5.5	236.3	11.42	0	0	0	
2003-Sep-16	21:45	124	5.5	239.1	11.30	0	0	0	
2003-Sep-16	21:46	119	5.5	241.9	11.21	0	0	0	
2003-Sep-16	21:46	114	5.5	244.7	11.25	0	0	0	
2003-Sep-16	21:47	124	5.5	247.4	11.24	0	0	0	
2003-Sep-16	21:47	128	5.5	250.2	11.27	0	0	0	
2003-Sep-16	21:48	124	5.5	253.0	11.40	0	0	0	
2003-Sep-16	21:48	128	5.5	255.7	11.35	0	0	0	
2003-Sep-16	21:49	128	5.5	258.5	11.36	0	0	0	
2003-Sep-16	21:49	128	5.5	261.3	11.35	0	0	0	
2003-Sep-16	21:50	133	5.5	264.0	11.34	0	0	0	
2003-Sep-16	21:50	137	5.5	266.8	11.31	0	0	0	
2003-Sep-16	21:51	146	5.5	269.6	11.31	0	0	0	
2003-Sep-16	21:51	146	5.5	272.3	11.33	0	0	0	
2003-Sep-16	21:52	142	5.5	275.1	11.32	0	0	0	
2003-Sep-16	21:52	142	5.5	277.9	11.31	0	0	0	

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Well		Field			Service Date		Customer		Job Number
Berger #2					03259-Sep-16		OXY USA, INC.		2205543837
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0	
2003-Sep-16	21:53	137	5.5	280.6	11.31	0	0	0	
2003-Sep-16	21:53	137	5.5	283.4	11.27	0	0	0	
2003-Sep-16	21:54	137	5.5	286.2	11.22	0	0	0	
2003-Sep-16	21:54	137	5.5	288.9	11.27	0	0	0	
2003-Sep-16	21:55	137	5.5	291.7	11.27	0	0	0	
2003-Sep-16	21:55	133	5.5	294.5	11.22	0	0	0	
2003-Sep-16	21:56	133	5.5	297.3	11.24	0	0	0	
2003-Sep-16	21:56	133	5.5	300.0	11.33	0	0	0	
2003-Sep-16	21:57	133	5.5	302.9	11.36	0	0	0	
2003-Sep-16	21:57	133	5.5	305.7	11.37	0	0	0	
2003-Sep-16	21:58	128	5.5	308.4	11.37	0	0	0	
2003-Sep-16	21:58	128	5.5	311.2	11.37	0	0	0	
2003-Sep-16	21:59	119	5.5	314.0	11.40	0	0	0	
2003-Sep-16	21:59	124	5.5	316.7	11.47	0	0	0	
2003-Sep-16	22:00	124	5.5	319.5	11.61	0	0	0	
2003-Sep-16	22:00	119	5.5	322.3	11.57	0	0	0	
2003-Sep-16	22:01	119	5.5	323.6	11.33	0	0	0	
2003-Sep-16	22:01								Start Mixing Tail Slurry
2003-Sep-16	22:01								Reset Total, Vol = 324.84 bbl
2003-Sep-16	22:01	124	5.5	324.8	12.08	0	0	0	
2003-Sep-16	22:01	119	5.5	0.2	12.21	0	0	0	
2003-Sep-16	22:01	142	5.5	2.9	13.69	0	0	0	
2003-Sep-16	22:02	156	5.5	5.7	14.62	0	0	0	
2003-Sep-16	22:02	160	5.5	6.3	14.75	0	0	0	
2003-Sep-16	22:02								Reset Total, Vol = 6.35 bbl
2003-Sep-16	22:02								End Lead Slurry
2003-Sep-16	22:02	160	5.5	0.3	14.78	0	0	0	
2003-Sep-16	22:02	165	5.5	2.1	14.84	0	0	0	
2003-Sep-16	22:03	165	5.5	4.9	14.81	0	0	0	
2003-Sep-16	22:03	169	5.5	7.6	14.86	0	0	0	
2003-Sep-16	22:04	169	5.5	10.4	14.72	0	0	0	
2003-Sep-16	22:04	160	5.5	13.2	14.71	0	0	0	
2003-Sep-16	22:05	165	5.5	15.9	14.80	0	0	0	
2003-Sep-16	22:05	165	5.5	18.7	14.81	0	0	0	
2003-Sep-16	22:06	160	5.5	21.5	14.78	0	0	0	
2003-Sep-16	22:06	160	5.5	24.2	14.74	0	0	0	
2003-Sep-16	22:07	165	5.5	27.0	14.76	0	0	0	
2003-Sep-16	22:07	160	5.5	29.8	14.72	0	0	0	
2003-Sep-16	22:08	156	5.5	32.5	14.52	0	0	0	
2003-Sep-16	22:08	110	4.2	33.0	11.64	0	0	0	
2003-Sep-16	22:08								End Tail Slurry
2003-Sep-16	22:08	82	0.8	33.0	7.90	0	0	0	
2003-Sep-16	22:08								Drop Top Plug
2003-Sep-16	22:08	60	0.0	33.0	7.31	0	0	0	
2003-Sep-16	22:08								Start Displacement
2003-Sep-16	22:08								Reset Total, Vol = 33.02 bbl
2003-Sep-16	22:08	0	0.0	33.0	11.30	0	0	0	
2003-Sep-16	22:09	0	0.0	0.0	15.67	0	0	0	
2003-Sep-16	22:09	0	0.0	0.0	10.53	0	0	0	
2003-Sep-16	22:10	0	0.0	0.0	9.26	0	0	0	
2003-Sep-16	22:10	0	0.0	0.0	8.95	0	0	0	
2003-Sep-16	22:11	50	3.0	0.2	0.36	0	0	0	
2003-Sep-16	22:11	50	4.2	1.8	8.80	0	0	0	
2003-Sep-16	22:12	55	4.9	4.2	8.80	0	0	0	

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Well		Field			Service Date		Customer		Job Number
Berger #2					03259-Sep-16		OXY USA, INC.		2205543837
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbf/min	bbf	lb/gal	0	0	0	
2003-Sep-16	22:12	50	4.9	6.7	8.38	0	0	0	
2003-Sep-16	22:13	50	4.9	9.1	8.38	0	0	0	
2003-Sep-16	22:13	50	4.9	11.6	8.45	0	0	0	
2003-Sep-16	22:14	50	4.9	14.0	8.44	0	0	0	
2003-Sep-16	22:14	50	4.9	16.5	8.38	0	0	0	
2003-Sep-16	22:15	50	4.9	2.7	8.38	0	0	0	
2003-Sep-16	22:15	50	4.9	25.1	8.39	0	0	0	
2003-Sep-16	22:16	50	4.9	27.5	8.38	0	0	0	
2003-Sep-16	22:16	50	4.9	28.2	8.38	0	0	0	
2003-Sep-16	22:17	50	4.9	30.7	8.38	0	0	0	
2003-Sep-16	22:17	50	4.9	33.1	8.38	0	0	0	
2003-Sep-16	22:18	50	4.9	35.6	8.38	0	0	0	
2003-Sep-16	22:18	50	4.9	38.0	8.38	0	0	0	
2003-Sep-16	22:19	50	4.9	40.5	8.38	0	0	0	
2003-Sep-16	22:19	50	4.9	42.9	8.38	0	0	0	
2003-Sep-16	22:20	50	4.9	45.4	8.38	0	0	0	
2003-Sep-16	22:20	50	4.9	48.9	8.38	0	0	0	
2003-Sep-16	22:21	50	4.9	51.4	8.38	0	0	0	
2003-Sep-16	22:21	55	4.9	53.9	8.38	0	0	0	
2003-Sep-16	22:22	60	4.9	56.3	8.38	0	0	0	
2003-Sep-16	22:22	64	4.9	58.8	8.38	0	0	0	
2003-Sep-16	22:23	69	4.9	61.2	8.38	0	0	0	
2003-Sep-16	22:23	78	4.9	63.7	8.38	0	0	0	
2003-Sep-16	22:24	78	4.9	66.1	8.38	0	0	0	
2003-Sep-16	22:24	82	4.9	68.6	8.38	0	0	0	
2003-Sep-16	22:25	92	4.9	71.0	8.38	0	0	0	
2003-Sep-16	22:25	101	4.9	73.5	8.38	0	0	0	
2003-Sep-16	22:26	114	4.9	75.9	8.38	0	0	0	
2003-Sep-16	22:26	128	4.9	78.4	8.38	0	0	0	
2003-Sep-16	22:27	137	4.9	80.8	8.37	0	0	0	
2003-Sep-16	22:27	151	4.9	83.3	8.37	0	0	0	
2003-Sep-16	22:28	165	4.9	85.7	8.37	0	0	0	
2003-Sep-16	22:28	183	4.9	88.2	8.37	0	0	0	
2003-Sep-16	22:29	206	4.9	90.6	8.37	0	0	0	
2003-Sep-16	22:29	188	3.8	92.7	8.37	0	0	0	
2003-Sep-16	22:30	201	3.8	94.6	8.37	0	0	0	
2003-Sep-16	22:30	224	3.8	96.5	8.37	0	0	0	
2003-Sep-16	22:31	243	3.8	98.3	8.37	0	0	0	
2003-Sep-16	22:31	261	3.8	100.2	8.37	0	0	0	
2003-Sep-16	22:32	252	3.0	101.8	8.37	0	0	0	
2003-Sep-16	22:32	279	3.0	103.3	8.37	0	0	0	
2003-Sep-16	22:33	284	3.0	104.8	8.37	0	0	0	
2003-Sep-16	22:33	279	2.5	106.2	8.37	0	0	0	
2003-Sep-16	22:34	288	2.5	107.4	8.37	0	0	0	
2003-Sep-16	22:34	302	2.5	108.6	8.37	0	0	0	
2003-Sep-16	22:35	311	2.5	109.9	8.37	0	0	0	
2003-Sep-16	22:35	325	2.5	111.1	8.37	0	0	0	
2003-Sep-16	22:36	330	2.5	112.3	8.37	0	0	0	
2003-Sep-16	22:36	348	2.4	113.5	8.37	0	0	0	
2003-Sep-16	22:37	348	2.4	114.8	8.37	0	0	0	
2003-Sep-16	22:37	316	0.0	115.8	8.37	0	0	0	
2003-Sep-16	22:38	325	0.7	115.8	8.37	0	0	0	
2003-Sep-16	22:38	829	0.0	116.0	8.38	0	0	0	
2003-Sep-16	22:38								Bump Top Plug

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Well		Berger #2		Field		Service Date		Customer		Job Number	
						03259-Sep-16		OXY USA, INC.		2205543837	
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS				Message		
	24 hr clock	psi	bbf/min	bbf	lb/gal	0	0	0			
2003-Sep-16	22:38	829	0.0	116.0	8.38	0	0	0			
2003-Sep-16	22:38								End Displacement		
2003-Sep-16	22:38	829	0.0	116.0	8.38	0	0	0			
2003-Sep-16	22:39	829	0.0	116.0	8.38	0	0	0			
2003-Sep-16	22:39	41	0.0	116.0	8.38	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				
5.5	0	0	5.5	381	0	10					
Treating Pressure Summary, psi						Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density					
100		200									
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft							
%	281 bbl	116.9 bbl	°F								
Customer or Authorized Representative				Schlumberger Supervisor				Gonzales, Paul			
FILLPOT, GREGG								<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed			

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2003-Sep-22

**Schlumberger**

**Service Order**

Customer OXY USA, INC.		Person Taking Call Cothren, Randy		Dowell Location Perryton, TX		OrderDate 2003-Sep-16	Job Number 2205543690	
Well Name and Number Berger 2			Legal Location	Field		County Haskell	State/Province KS	
Well Master: 0630531169			API / UWI:					
Rlg Name		Well Age New	Sales Engineer Cothren, Randy			Job Type Cem Prod Casing		
Time Well Ready: 9/17/2003	Deviation °	Bit Size in	Well MD 6,500 ft	Well TVD 6,500 ft	BHP psi	BHST °F	BHCT °F	
Treat Down Casing	Packer Type	Packer Depth ft	WellHead Connection 5 1/2 HS&M	HHP on Location	Max Allowed Pressure 2500	Max Allowed AnnPressure		
<b>Casing</b>				<b>Services Instructions:</b>				
Depth, ft	Size, In	Weight, lb/ft	Grade	Thread	CEMENT 5 1/2 IN LONGSTRING WITH: 20 BBLS CW100 TAIL: 180 SACKS 50:50 POZ H + 2%D20+5 PPS D42 + 5 PPS D53+0.25%D59+0.25%D65+3%M117+0.2%D46			
6500	5.5							
<b>Tubing</b>				<b>Extra Equipment:</b>				
Depth,	Size, In	Weight, lb/ft	Grade	Thread	1 ABT 1 PUMP 1 CEMCAT			
<b>Perforated Intervals</b>								
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft				
				Diameter in				
Expected On Location:		9/17/2003		Ready To Pump:		9/16/2003		

Contact	Voice	Mobile	FAX	Notes
GREG FILLPOT		1-320-329-4247		

**Notes:**  
BRING TOP & BOTTOM PLUG ( JUST IN CASE)

**Directions:**  
Liberal north on Hwy 83 to Hitch Feeders road, 12 West to Grant County line, 1-1/8 North, east into

**Other Notes:**  
FOLLOW ALL CONVOY POLICIES AND STAY IN THE GREEN!!!!

1000

**Comments:**  
 MOUSE & RAT HOLE: 25 SACKS 50:50 POZ MIX

**Fluid Systems:**

<b>SPACER</b>			
20 BBLS CW100			
<i>Density:</i>	lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	0 gal/sk		
<i>H2O:</i>	0 gal	<i>Eq. Sack Weight:</i>	0 lb
		<i>Total Blend:</i>	0 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>		<b>Total Quantity</b>
J237A	5 gal		5
D122A	10 gal		10

<b>TAIL</b>			
180 SACKS 50:50 POZ H+2%D20+5 PPS D42+5 PPS D53+0.25%D059+0.25%D65+3%KCL+0.2%D46			
<i>Density:</i>	13.8 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	1.55 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	7.1 gal/sk		
<i>H2O:</i>	1278 gal	<i>Eq. Sack Weight:</i>	86.5 lb
		<i>Total Blend:</i>	180 sacks
<b>Dowell Code</b>	<b>Conc/ Amount</b>		<b>Total Quantity</b>
D065	0.216 lbs/sk		38.88
CLASS H	47 lbs/sk		8460
POZ	39.5 lbs/sk		7110
D020	1.73 lbs/sk		311.4
D042	5 lbs/sk		900
D059	0.216 lbs/sk		38.88
M117	2.595 lbs/sk		467.1
D046	0.173 lbs/sk		31.14
D053	5 lbs/sk		900

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# Cementing Service Report

Customer <b>OXY USA, INC.</b>						Job Number <b>2205543690</b>						
Well <b>Berger 2</b>			Location (legal)			Schlumberger Location <b>Perryton, TX</b>			Job Start <b>2003-Sep-23</b>			
Field		Formation Name/Type			Deviation		Bit Size <b>in</b>	Well MD <b>6,500 ft</b>	Well TVD <b>6,500 ft</b>			
County <b>Haskell</b>		State/Province <b>KS</b>			BHP <b>psi</b>	BHST <b>°F</b>	BHCT <b>°F</b>	Pore Press. Gradient <b>psi/ft</b>				
Well Master: <b>0630531169</b>		API / UWI:			<b>Casing/Liner</b>							
Rig Name	Drilled For <b>Oil</b>		Service Via <b>Land</b>		Depth, ft <b>6500</b>	Size, in <b>4.5</b>	Weight, lb/ft <b>11.6</b>	Grade	Thread			
Offshore Zone	Well Class <b>New</b>		Well Type <b>Development</b>		<b>Tubing/Drill Pipe</b>							
Drilling Fluid Type		Max. Density <b>lb/gal</b>	Plastic Vi: <b>cp</b>		Depth,	Size, in	Weight, lb/ft	Grade	Thread			
Service Line <b>Cementing</b>	Job Type <b>Cem Prod Casing</b>				<b>Perforations/Open Hole</b>							
Max. Allowed Tubing Pressure <b>2500 psi</b>	Max. Allowed Ann. Pressure <b>psi</b>		WellHead Connection <b>4 1/2 HS&amp;M</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>			
<b>Service Instructions</b> CEMENT 4 1/2 IN LONGSTRING WITH: 10 BBLs CW100 TAIL: 245 SACKS 50:50 POZ H + 2%D20+5 PPS D42 + 5 PPS D53+0.25%D59+0.25%D65+3%M117+0.2%D46 MOUSE & RAT HOLE: 30 SACKS 50:50 POZ MIX					Treat Down <b>Casing</b>	Displacement <b>126.5 bbl</b>	Packer Type	Packer Depth <b>ft</b>				
					Tubing Vol. <b>bbl</b>	Casing Vol. <b>bbl</b>	Annular Vol. <b>bbl</b>	OpenHole Vol <b>bbl</b>				
					<b>Casing Tools</b>				<b>Squeeze Job</b>			
					Shoe Type:	Shoe Depth: <b>ft</b>			Squeeze Type	Tool Type:		
Lift Pressure: <b>200 psi</b>		Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input checked="" type="checkbox"/>		Stage Tool Type:	Tool Depth: <b>ft</b>						
No. Centralizers:	Top Plugs: <b>1</b>		Bottom Plugs: <b>1</b>		Stage Tool Depth: <b>ft</b>	Tail Pipe Size: <b>in</b>						
Cement Head Type:					Collar Type:	Tail Pipe Depth: <b>ft</b>						
Job Scheduled For: <b>9/23/2003 9:00</b>		Arrived on Location: <b>2003-Sep-23 9:00</b>		Leave Location: <b>2003-Sep-23 9:00</b>		Collar Depth: <b>ft</b>	Sqz Total Vol: <b>bbl</b>					
Date	Time	Treating Pressure <b>psi</b>	Flow Rate <b>bbbl/min</b>	Volume <b>bbl</b>	CMT DENS <b>lb/gal</b>	0	0	0	Message			
	24 hr clock					0	0	0				
2003-Sep-23	9:57					0	0	0	Start Job			
2003-Sep-23	9:57	5	0.0	0.0	6.96	0	0	0				
2003-Sep-23	9:57	5	0.0	0.0	6.96	0	0	0				
2003-Sep-23	9:58	5	0.0	0.0	6.96	0	0	0				
2003-Sep-23	9:58	5	0.0	0.0	6.96	0	0	0				
2003-Sep-23	9:59	119	0.0	0.1	6.81	0	0	0				
2003-Sep-23	9:59	1529	0.0	0.1	6.93	0	0	0				
2003-Sep-23	10:00								Pressure Test Lines			
2003-Sep-23	10:00	1959	0.0	0.1	6.95	0	0	0				
2003-Sep-23	10:00	2325	0.0	0.1	6.95	0	0	0				
2003-Sep-23	10:00	60	0.0	0.1	6.95	0	0	0				
2003-Sep-23	10:01	37	0.0	0.1	6.95	0	0	0				
2003-Sep-23	10:01	37	0.0	0.1	6.99	0	0	0				
2003-Sep-23	10:01								Start Cement Slurry			
2003-Sep-23	10:01	37	0.0	0.1	7.02	0	0	0				
2003-Sep-23	10:02	37	0.0	0.1	8.25	0	0	0				
2003-Sep-23	10:02	46	0.0	0.1	7.96	0	0	0				
2003-Sep-23	10:03	41	0.0	0.1	7.99	0	0	0				
2003-Sep-23	10:03	50	0.0	0.1	8.37	0	0	0				
2003-Sep-23	10:04	50	0.0	0.1	10.02	0	0	0				
2003-Sep-23	10:04	46	2.3	0.7	10.28	0	0	0				
2003-Sep-23	10:05	55	2.2	1.8	12.05	0	0	0				

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Well		Field			Service Date		Customer		Job Number
Berger #2					03266-Sep-23		OXY USA, INC.		2205543690
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbbl/min	bbbl	lb/gal	0	0	0	
2003-Sep-23	10:05	60	2.2	2.9	13.52	0	0	0	
2003-Sep-23	10:06	60	2.2	4.0	13.46	0	0	0	
2003-Sep-23	10:06	32	0.0	4.2	12.66	0	0	0	
2003-Sep-23	10:07	32	0.0	4.2	12.82	0	0	0	
2003-Sep-23	10:07	32	0.0	4.2	0.56	0	0	0	
2003-Sep-23	10:08	32	0.0	4.2	0.30	0	0	0	
2003-Sep-23	10:08	32	0.0	4.2	0.36	0	0	0	
2003-Sep-23	10:09	37	0.0	4.2	13.45	0	0	0	
2003-Sep-23	10:09	46	0.0	4.2	14.75	0	0	0	
2003-Sep-23	10:10	41	2.5	4.7	15.62	0	0	0	
2003-Sep-23	10:10	82	2.4	5.9	12.93	0	0	0	
2003-Sep-23	10:11	46	0.0	6.9	11.58	0	0	0	
2003-Sep-23	10:11	32	0.0	6.9	0.12	0	0	0	
2003-Sep-23	10:12	27	0.0	6.9	0.11	0	0	0	
2003-Sep-23	10:12	27	0.0	6.9	0.11	0	0	0	
2003-Sep-23	10:13	27	0.0	6.9	0.26	0	0	0	
2003-Sep-23	10:13								End Cement Slurry
2003-Sep-23	10:19								Start Pumping Wash
2003-Sep-23	10:19	27	0.0	6.9	0.04	0	0	0	
2003-Sep-23	10:19								Reset Total, Vol = 6.94 bbl
2003-Sep-23	10:19	27	0.0	6.9	0.04	0	0	0	
2003-Sep-23	10:19	27	0.8	0.1	0.04	0	0	0	
2003-Sep-23	10:20	64	3.5	1.2	0.04	0	0	0	
2003-Sep-23	10:20	96	3.5	3.0	0.04	0	0	0	
2003-Sep-23	10:21	110	3.5	4.7	0.04	0	0	0	
2003-Sep-23	10:21	110	3.6	6.5	0.04	0	0	0	
2003-Sep-23	10:22	114	3.6	8.3	0.04	0	0	0	
2003-Sep-23	10:22	114	3.6	10.1	0.04	0	0	0	
2003-Sep-23	10:23	114	3.6	11.9	0.04	0	0	0	
2003-Sep-23	10:23	119	3.6	13.7	0.04	0	0	0	
2003-Sep-23	10:24	119	3.6	15.5	0.04	0	0	0	
2003-Sep-23	10:24	119	3.6	17.3	0.04	0	0	0	
2003-Sep-23	10:25	119	3.6	19.2	0.04	0	0	0	
2003-Sep-23	10:25								End Wash
2003-Sep-23	10:25								Start Pumping Spacer
2003-Sep-23	10:25								Reset Total, Vol = 20.19 bbl
2003-Sep-23	10:25	92	3.7	20.2	0.04	0	0	0	
2003-Sep-23	10:25	101	3.6	0.8	9.62	0	0	0	
2003-Sep-23	10:26	110	3.8	2.6	8.41	0	0	0	
2003-Sep-23	10:26	110	3.6	4.6	10.82	0	0	0	
2003-Sep-23	10:27	156	3.9	6.5	14.28	0	0	0	
2003-Sep-23	10:27	128	3.2	8.2	13.83	0	0	0	
2003-Sep-23	10:28	105	3.2	9.9	13.62	0	0	0	
2003-Sep-23	10:28	87	2.8	11.5	13.77	0	0	0	
2003-Sep-23	10:29	96	4.1	13.1	14.63	0	0	0	
2003-Sep-23	10:29	82	3.6	14.9	15.97	0	0	0	
2003-Sep-23	10:30	82	3.7	16.7	15.44	0	0	0	
2003-Sep-23	10:30	64	3.6	18.5	11.08	0	0	0	
2003-Sep-23	10:31	64	4.7	20.4	13.55	0	0	0	
2003-Sep-23	10:31	87	4.8	22.8	14.00	0	0	0	
2003-Sep-23	10:32	96	4.8	25.2	14.04	0	0	0	
2003-Sep-23	10:32	101	4.8	27.5	14.21	0	0	0	
2003-Sep-23	10:33	105	4.7	29.9	14.08	0	0	0	
2003-Sep-23	10:33	101	4.8	32.3	13.97	0	0	0	

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Well		Field			Service Date		Customer		Job Number
Berger #2					03266-Sep-23		OXY USA, INC.		2205543690
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message
	24 hr clock	psi	bbt/min	bbt	lb/gal	0	0	0	
2003-Sep-23	10:34	105	4.8	34.7	14.08	0	0	0	
2003-Sep-23	10:34	101	4.8	37.1	14.20	0	0	0	
2003-Sep-23	10:35	105	4.8	38.7	14.24	0	0	0	
2003-Sep-23	10:35	105	4.8	38.9	14.24	0	0	0	
2003-Sep-23	10:35	101	4.9	39.4	14.23	0	0	0	
2003-Sep-23	10:35	105	4.8	41.8	14.27	0	0	0	
2003-Sep-23	10:36	105	4.8	44.2	14.11	0	0	0	
2003-Sep-23	10:36	101	4.7	46.6	13.90	0	0	0	
2003-Sep-23	10:37	110	4.8	49.0	14.59	0	0	0	
2003-Sep-23	10:37	105	4.8	51.3	13.94	0	0	0	
2003-Sep-23	10:38	37	0.0	51.7	13.53	0	0	0	
2003-Sep-23	10:38	32	0.0	51.7	13.39	0	0	0	
2003-Sep-23	10:39								End Cement Slurry
2003-Sep-23	10:45								Drop Top Plug
2003-Sep-23	10:45	27	0.0	51.7	0.12	0	0	0	
2003-Sep-23	10:45								Start Displacement
2003-Sep-23	10:45	27	0.0	51.7	0.12	0	0	0	
2003-Sep-23	10:46	27	0.0	51.7	0.11	0	0	0	
2003-Sep-23	10:46	27	0.0	51.7	0.10	0	0	0	
2003-Sep-23	10:47	27	1.2	52.1	0.09	0	0	0	
2003-Sep-23	10:47	32	3.0	52.9	0.06	0	0	0	
2003-Sep-23	10:48	41	3.9	54.9	0.05	0	0	0	
2003-Sep-23	10:48	46	3.9	56.8	0.04	0	0	0	
2003-Sep-23	10:49	50	3.9	6.4	0.04	0	0	0	
2003-Sep-23	10:49	46	3.9	8.5	0.05	0	0	0	
2003-Sep-23	10:50	50	3.9	10.4	0.05	0	0	0	
2003-Sep-23	10:50	50	3.9	12.4	0.07	0	0	0	
2003-Sep-23	10:51	50	3.9	14.4	0.06	0	0	0	
2003-Sep-23	10:51	50	3.9	16.3	0.04	0	0	0	
2003-Sep-23	10:52	50	3.9	18.3	0.04	0	0	0	
2003-Sep-23	10:52	50	3.9	20.3	0.11	0	0	0	
2003-Sep-23	10:53	50	3.9	22.2	0.05	0	0	0	
2003-Sep-23	10:53	50	3.9	24.2	0.07	0	0	0	
2003-Sep-23	10:54	50	3.9	26.2	0.06	0	0	0	
2003-Sep-23	10:54	50	3.9	28.1	0.05	0	0	0	
2003-Sep-23	10:55	50	3.9	30.1	0.07	0	0	0	
2003-Sep-23	10:55	50	3.9	32.1	0.05	0	0	0	
2003-Sep-23	10:56	50	3.9	34.0	0.06	0	0	0	
2003-Sep-23	10:56	50	3.9	36.0	0.04	0	0	0	
2003-Sep-23	10:57	50	3.9	37.9	0.05	0	0	0	
2003-Sep-23	10:57	50	3.9	39.9	0.17	0	0	0	
2003-Sep-23	10:58	50	3.9	41.9	0.06	0	0	0	
2003-Sep-23	10:58	50	3.9	43.8	0.08	0	0	0	
2003-Sep-23	10:59	50	3.9	45.8	0.06	0	0	0	
2003-Sep-23	10:59	50	3.9	47.8	0.05	0	0	0	
2003-Sep-23	11:00	50	3.9	49.7	0.09	0	0	0	
2003-Sep-23	11:00	50	3.9	51.7	0.06	0	0	0	
2003-Sep-23	11:01	50	3.9	53.7	0.07	0	0	0	
2003-Sep-23	11:01	50	3.9	55.7	0.04	0	0	0	
2003-Sep-23	11:02	50	3.9	57.7	0.06	0	0	0	
2003-Sep-23	11:02	64	5.4	60.3	0.30	0	0	0	
2003-Sep-23	11:03	73	5.4	63.0	0.07	0	0	0	
2003-Sep-23	11:03	73	5.4	65.8	0.05	0	0	0	
2003-Sep-23	11:04	78	5.4	68.5	0.11	0	0	0	

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Well		Field			Service Date		Customer			Job Number
Berger #2					03266-Sep-23		OXY USA, INC.			2205543690
Date	Time	Treating Pressure	Flow Rate	Volume	CMT DENS	0	0	0	Message	
	24 hr clock	psi	bbl/min	bbl	lb/gal	0	0	0		
2003-Sep-23	11:04	78	5.4	69.5	0.18	0	0	0		
2003-Sep-23	11:04	78	5.4	71.2	0.16	0	0	0		
2003-Sep-23	11:05	78	5.4	73.9	0.10	0	0	0		
2003-Sep-23	11:05	78	5.4	76.6	0.23	0	0	0		
2003-Sep-23	11:06	78	5.4	79.4	0.59	0	0	0		
2003-Sep-23	11:06	78	5.4	82.1	0.40	0	0	0		
2003-Sep-23	11:07	78	5.4	84.8	0.09	0	0	0		
2003-Sep-23	11:07	78	5.4	87.5	0.11	0	0	0		
2003-Sep-23	11:08	73	5.4	90.2	0.29	0	0	0		
2003-Sep-23	11:08	73	5.4	92.9	0.11	0	0	0		
2003-Sep-23	11:09	243	5.5	95.7	0.16	0	0	0		
2003-Sep-23	11:09	82	5.4	98.4	0.46	0	0	0		
2003-Sep-23	11:10	82	5.4	101.1	0.65	0	0	0		
2003-Sep-23	11:10	119	5.4	103.8	0.07	0	0	0		
2003-Sep-23	11:11	156	5.4	106.5	0.05	0	0	0		
2003-Sep-23	11:11	201	5.4	109.2	0.19	0	0	0		
2003-Sep-23	11:12	160	2.7	111.3	0.07	0	0	0		
2003-Sep-23	11:12	174	2.7	112.7	0.11	0	0	0		
2003-Sep-23	11:13	192	2.7	114.1	0.09	0	0	0		
2003-Sep-23	11:13	211	2.7	115.4	0.06	0	0	0		
2003-Sep-23	11:14	206	1.7	116.5	0.05	0	0	0		
2003-Sep-23	11:14	220	1.7	117.3	0.04	0	0	0		
2003-Sep-23	11:15	229	1.7	118.2	0.04	0	0	0		
2003-Sep-23	11:15	238	1.7	119.0	0.06	0	0	0		
2003-Sep-23	11:16	252	1.7	119.9	0.14	0	0	0		
2003-Sep-23	11:16	266	1.7	120.7	0.06	0	0	0		
2003-Sep-23	11:17	275	1.7	121.6	0.14	0	0	0		
2003-Sep-23	11:17	288	1.7	122.4	0.13	0	0	0		
2003-Sep-23	11:18	302	1.7	123.3	0.11	0	0	0		
2003-Sep-23	11:18	316	1.7	124.1	0.09	0	0	0		
2003-Sep-23	11:19	330	1.7	125.0	0.07	0	0	0		
2003-Sep-23	11:19	343	1.7	125.8	0.05	0	0	0		
2003-Sep-23	11:20	348	1.7	126.7	0.04	0	0	0		
2003-Sep-23	11:20	307	0.0	127.2	0.04	0	0	0		
2003-Sep-23	11:21	330	0.2	127.2	0.07	0	0	0		
2003-Sep-23	11:21	339	0.2	127.3	0.06	0	0	0		
2003-Sep-23	11:22	339	0.2	127.4	0.07	0	0	0		
2003-Sep-23	11:22	343	0.2	127.5	0.07	0	0	0		
2003-Sep-23	11:23	339	0.0	127.5	0.05	0	0	0		
2003-Sep-23	11:23	334	0.0	127.5	0.11	0	0	0		
2003-Sep-23	11:24	334	0.0	127.5	0.11	0	0	0		
2003-Sep-23	11:24	352	0.3	127.5	0.06	0	0	0		
2003-Sep-23	11:25	348	0.0	127.7	0.14	0	0	0		
2003-Sep-23	11:25								End Displacement	
2003-Sep-23	11:25	343	0.0	127.7	0.11	0	0	0		
2003-Sep-23	11:25								Remark: WENT 1 BBL OVER DIDN'T BUMP PLUG	
2003-Sep-23	11:25	339	0.0	127.7	0.06	0	0	0		
2003-Sep-23	11:25	339	0.0	127.7	0.06	0	0	0		
2003-Sep-23	11:26	334	0.0	127.7	0.11	0	0	0		
2003-Sep-23	11:26	220	0.0	127.7	0.11	0	0	0		
2003-Sep-23	11:27	50	0.0	127.7	0.12	0	0	0		
2003-Sep-23	11:27	32	0.0	127.7	0.06	0	0	0		
2003-Sep-23	11:27								End Job	

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Well Berger #2		Field		Service Date 03266-Sep-23		Customer OXY USA, INC.		Job Number 2205543690	
Date	Time 24 hr clock							Message	
2003-Sep-23	11:34								
<b>Post Job Summary</b>									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
	0	0	5	50	0	30			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density		
400		100	0				lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume		
%	49.6 bbl		127.5 bbl	°F	<input type="checkbox"/>		bbl		
Customer or Authorized Representative			Schlumberger Supervisor			Washed Thru Perfs		To	
FILLPOT, GREG			Gonzales, Paul			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed	

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