

CONFIDENTIAL

Release

JUL 16 2004

Form ACO-1

September 1999

Form Must Be Typed

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

From Confidential ORIGINAL

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: Curtis E. Covey
Designate Type of Completion:
[X] New Well Re-Entry Workover
Oil SWD SLOW Temp. Abd.
Gas ENHR SIGW
Dry [X] Other (Core, WSW, Expl, Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: OXY USA, Inc.
Well Name:

API No. 15 - 129-21690-0000
County: Morton
- SW - SW - NW Sec 33 Twp. 34 S. R. 41W
2465 feet from S (N) Line of Section
300 feet from E (W) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Wilburton Morrow Sand Unit Well #: 1106S
Field Name: Wilburton Morrow Sand Unit
Producing Formation: Viola/Simpson
Elevation: Ground: 3450 Kelly Bushing: 3461
Total Depth: 6455 Plug Back Total Depth: 6365
Amount of Surface Pipe Set and Cemented at 1449 feet
Multiple Stage Cementing Collar Used? [X] Yes [ ] No
If yes, show depth set 3150
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

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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.
01/09/03 01/22/03 03/01/03
Spud Date or Date Reached TD Completion Date or Recompletion Date

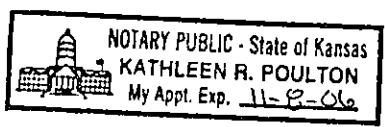
Drilling Fluid Management Plan All 1 wk 5-14-03
(Data must be collected from the Reserve Pit)
Chloride content 1000 mg/l ppm Fluid volume 6000 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
KANSAS CORPORATION COMMISSION S. R. [ ] East [X] West
County: Docket No.:
MAY 08 2003

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 82-3-106, 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.

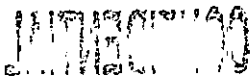
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Vicki Carder
Title: Capital Project Date May 7, 2003
Subscribed and sworn to before me this 7th day of May 20 03
Notary Public: Kathleen R. Poulton
Date Commission Expires: November 8, 2006

KCC Office Use Only
[X] Letter of Confidentiality Attached
If Denied, Yes [ ] Date:
[X] Wireline Log Received
[X] Geologist Report Received
[ ] UIC Distribution



X



Side Two

Operator Name: OXY USA Inc. Lease Name: Wilburton Morrow Sand Unit Well #: 1106S

Sec. 33 Twp. 34 S. R. 41W  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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input 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	3458	+3
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3540	-79
List All E. Logs Run:	Induction      Neutron	Marmaton	4116	-655
Sonic      HML Microlog      Geological Report		Cherokee	4377	-916
		Morrow	4722	-1261
		Chester	5210	-1749
		Ste. Genevieve	5395	-1934
		(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	13 1/2	9 5/8	36	1449	C	560 150	35/65POZ, 6% Gel, 2% CC, .25 Flocele 2% CC
Production	8 3/4	7	23	6450	C	330	50/50POZ+Add (see cmt ticket)

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	1449-3150	C	280	Panhandlelite, .25 Flocele, 2% CC
<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	5962-6055, 6062-6138, 6200-6224		

TUBING RECORD	Size 3 1/2	Set At 5924	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. 03/03/03	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 0	Gas Mcf 0	Water Bbls 4900	Gas-Oil Ratio	Gravity
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented  Sold  Used on Lease       Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_

*(If vented, Submit ACO-18)*       Other (Specify) \_\_\_\_\_

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Side Three

**ORIGINAL**

Operator Name: OXY USA Inc. Lease Name: Wilburton Morrow Sand Unit Well #: 1106S

Sec. 33 Twp. 34 S. R. 41W  East  West County: Morton

Name	Top	Datum
St. Louis	5499	-2038
Spergen	5658	-2197
Warsaw	5740	-2279
Osage	5868	-2407
Kinderhook	6140	-2679
Viola	6232	-2771

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**MAY 08 2003**

**CONSERVATION DIVISION  
WICHITA, KS**

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JUL 06 2004  
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ORIGINAL

2205540590  
WSMU 1106S  
CEMENT 7" CASING W/ 330 SKS 50/50 POZ +ADDS  
CEMENT RAT AND MOUSE WITH 25 SKS 50/50 POZ +ADDS

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LEAD

DSCCode	Description	Concentration	Unit	TotalQuantity	UnitOfMeasure
D909	CLASS H	47	lbs/sk	15,510.00	lbs
D046	ANTIFOAMER	0.173	lbs/sk	57.09	lbs
D132	POZ	39.5	lbs/sk	13,035.00	lbs
D020	GEL	1.73	lbs/sk	570.90	lbs
D042	KOLITE	5	lbs/sk	1,650.00	lbs
D059	FLAC	0.2595	lbs/sk	85.64	lbs
D065	DISPERSANT	0.2595	lbs/sk	85.64	lbs
M177	POTASSIUM CHLORIDE	1.77	lbs/sk	584.10	lbs
D053	GYPSUM	5	lbs/sk	1,650.00	lbs

DENSITY= 13.8  
YIELD= 1.55  
H2O REQ= 7.1

TAIL

DSCCode	Description	Concentration	Unit	TotalQuantity	UnitOfMeasure
D909	CLASS H	47	lbs/sk	1,175.00	lbs
D046	ANTIFOAMER	0.173	lbs/sk	4.33	lbs
D132	POZ	39.5	lbs/sk	987.50	lbs
D020	GEL	1.73	lbs/sk	43.25	lbs
D042	KOLITE	5	lbs/sk	125.00	lbs
D059	FLAC	0.2595	lbs/sk	6.49	lbs
D065	DISPERSANT	0.2595	lbs/sk	6.49	lbs
M117	POTASSIUM CHLORIDE	1.77	lbs/sk	44.25	lbs
D053	GYPSUM	5	lbs/sk	125.00	lbs

DENSITY= 13.8  
YIELD= 1.55  
H2O REQ= 7.1

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CONSERVATION DIVISION  
WICHITA, KS

WASH

DSCCode	Description	Concentration	Unit	TotalQuantity	UnitOfMeasure
J237A	DIVERTING AGENT		5 gal	5.00	gal
D122A	MUD THINNER		10 gal	10.00	gal

Customer OXY USA INC						Job Number 2205540590				
Well WSMU 1106S 1106S			Location (legal) SEC 33-34-41			Location Perryton, TX		Job Start 2003-Jan-23		
Field		Formation Name/Type KCO		Deviation		Bit Size in	Well MD 6,550 ft	Well TVD 6,550 ft		
County MORTON		State/Province KS		BHP psi	BHST °F	BHCT °F	Pore Press. Gradient psi/ft			
Well Master 0630470083		API / UWI		Casing/Liner						
Rig Name		Drilled For Gas		Service Via Land		Depth, ft 6550	Size, in 7	Weight, lb/ft 23	Grade	Thread
Offshore Zone		Well Class New		Well Type Exploration		Tubing/Drill Pipe				
Drilling Fluid Type		Max. Density lb/gal		Plastic V: cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread
Service Line Cementing		Job Type Cem Prod Casing		Perforations/Open Hole						
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 7" HSM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft
Service Instructions CEMENT 7" CASING W/ 330 SKS 50/50 POZ +ADDS CEMENT RAT AND MOUSE WITH 25 SKS 50/50 POZ +ADDS						Diameter in	Treat Down Casing	Displacement bbl	Packer Type	Packer Depth ft
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job			
Lift Pressure: 1000 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: Guide	Shoe Depth: 6450 ft		Squeeze Type Tool Type:	
No. Centralizers: 20		Top Plugs: 1		Bottom Plugs:		Stage Tool Type:		Tool Depth: ft		
Cement Head Type: Single				Stage Tool Depth: ft		Tail Pipe Size: in				
Job Scheduled For: 1/23/2003 17:00		Arrived on Location:		Leave Location:		Collar Type: Float		Tail Pipe Depth: ft		
						Collar Depth: 6367 ft		Sqz Total Vol: bbl		
Date	Time	Treating Pressure	CMT DENS	CMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message	
	24 hr clock	psi	lb/gal	bb/min	bbl	bbl	0	0		
2003-Jan-23	22:52	0	8.38	3.1	0.0	0.0	0	0		
2003-Jan-23	22:52	0	8.38	3.1	0.0	0.0	0	0	RECEIVED	
2003-Jan-23	22:53	0	8.37	0.0	0.0	0.0	0	0	KANSAS CORPORATION COMMISSION	
2003-Jan-23	22:53	0	8.37	0.0	0.0	0.0	0	0	MAY 0 4 2003	
2003-Jan-23	22:54	5	8.37	0.0	0.0	0.0	0	0	CONSERVATION DIVISION	
2003-Jan-23	22:54	5	8.37	0.0	0.0	0.0	0	0	WICHITA, KS	
2003-Jan-23	22:55	5	8.38	0.0	0.0	0.0	0	0		
2003-Jan-23	22:55	5	8.38	0.0	0.0	0.0	0	0		
2003-Jan-23	22:56	92	8.38	0.9	0.0	0.0	0	0		
2003-Jan-23	22:56	92	8.38	0.9	0.0	0.0	0	0		
2003-Jan-23	22:57	3195	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:57	3195	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58	73	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58	73	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58	60	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58	60	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58								Start Job	
2003-Jan-23	22:58								Start Job	
2003-Jan-23	22:58								Start Pumping Wash	
2003-Jan-23	22:58	64	8.39	0.0	0.0	0.0	0	0		
2003-Jan-23	22:58								Start Pumping Wash	
2003-Jan-23	22:58	64	8.39	0.0	0.0	0.0	0	0		

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ORIGINAL

Well		Field		Service Date		Customer		Job Number	
WSMU 1106S #1106S				0323-Jan-23		OXY USA INC		2205540590	
Date	Time	Treating Pressure psi	CMT DENS lb/gal	CMT RATE bbl/min	CMT CEMENT VOL bbl	CMT DISP VOL bbl	0	0	Message
2003-Jan-23	22:59	55	8.39	0.0	0.0	0.0	0	0	MAY 07 2003
2003-Jan-23	22:59	55	8.39	0.0	0.0	0.0	0	0	CONFIDENTIAL
2003-Jan-23	22:59	50	8.39	0.0	0.0	0.0	0	0	
2003-Jan-23	22:59								Reset Total, Vol = 1.63 bbl
2003-Jan-23	22:59								Reset Total, Vol = 1.63 bbl
2003-Jan-23	22:59	50	8.39	0.0	0.0	0.0	0	0	
2003-Jan-23	23:00	105	8.39	3.4	0.0	0.0	0	0	
2003-Jan-23	23:00	105	8.39	3.4	0.0	0.0	0	0	
2003-Jan-23	23:01	252	8.36	3.9	0.0	0.0	0	0	
2003-Jan-23	23:01	252	8.36	3.9	0.0	0.0	0	0	
2003-Jan-23	23:02	252	8.37	3.9	0.0	0.0	0	0	RECEIVED
2003-Jan-23	23:02	252	8.37	3.9	0.0	0.0	0	0	KANSAS CORPORATION COMMISSION
2003-Jan-23	23:03	316	8.36	3.9	0.0	0.0	0	0	
2003-Jan-23	23:03	316	8.36	3.9	0.0	0.0	0	0	
2003-Jan-23	23:04	256	8.30	3.9	0.0	0.0	0	0	MAY 08 2003
2003-Jan-23	23:04	256	8.30	3.9	0.0	0.0	0	0	
2003-Jan-23	23:05	302	8.32	3.9	0.0	0.0	0	0	CONSERVATION DIVISION
2003-Jan-23	23:05	302	8.32	3.9	0.0	0.0	0	0	WICHITA, KS
2003-Jan-23	23:06	352	8.42	4.9	0.0	0.0	0	0	
2003-Jan-23	23:06	352	8.42	4.9	0.0	0.0	0	0	
2003-Jan-23	23:06								End Wash
2003-Jan-23	23:06								End Wash
2003-Jan-23	23:06	439	8.83	5.7	0.0	0.0	0	0	
2003-Jan-23	23:06	439	8.83	5.7	0.0	0.0	0	0	
2003-Jan-23	23:06								Start Cement Slurry
2003-Jan-23	23:06	439	9.11	5.7	0.0	0.0	0	0	
2003-Jan-23	23:06								Start Cement Slurry
2003-Jan-23	23:06	439	9.11	5.7	0.0	0.0	0	0	
2003-Jan-23	23:07	421	12.21	5.7	4.7	0.0	0	0	
2003-Jan-23	23:07	421	12.21	5.7	4.7	0.0	0	0	
2003-Jan-23	23:08	426	13.79	5.7	10.4	0.0	0	0	
2003-Jan-23	23:08	426	13.79	5.7	10.4	0.0	0	0	
2003-Jan-23	23:09	426	13.91	5.7	16.1	0.0	0	0	
2003-Jan-23	23:09	426	13.91	5.7	16.1	0.0	0	0	
2003-Jan-23	23:10	352	13.71	5.7	21.9	0.0	0	0	
2003-Jan-23	23:10	352	13.71	5.7	21.9	0.0	0	0	
2003-Jan-23	23:11	343	13.89	5.7	27.6	0.0	0	0	
2003-Jan-23	23:11	343	13.89	5.7	27.6	0.0	0	0	
2003-Jan-23	23:12	320	13.81	5.7	33.3	0.0	0	0	
2003-Jan-23	23:12	320	13.81	5.7	33.3	0.0	0	0	
2003-Jan-23	23:13	298	13.94	5.7	39.1	0.0	0	0	
2003-Jan-23	23:13	298	13.94	5.7	39.1	0.0	0	0	
2003-Jan-23	23:14	256	13.76	5.7	44.8	0.0	0	0	
2003-Jan-23	23:14	256	13.76	5.7	44.8	0.0	0	0	
2003-Jan-23	23:15	252	13.78	5.7	50.5	0.0	0	0	
2003-Jan-23	23:15	252	13.78	5.7	50.5	0.0	0	0	
2003-Jan-23	23:16	261	14.11	5.7	56.2	0.0	0	0	
2003-Jan-23	23:16	261	14.11	5.7	56.2	0.0	0	0	
2003-Jan-23	23:17	298	14.03	5.7	61.9	0.0	0	0	Release
2003-Jan-23	23:17	298	14.03	5.7	61.9	0.0	0	0	JUL 16 2004
2003-Jan-23	23:18	279	13.80	5.7	67.6	0.0	0	0	From
2003-Jan-23	23:18	279	13.80	5.7	67.6	0.0	0	0	Confidential
2003-Jan-23	23:19	279	13.75	5.7	73.3	0.0	0	0	
2003-Jan-23	23:19	279	13.75	5.7	73.3	0.0	0	0	

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**ORIGINAL**

Well		Service Date		Customer		Job Number			
WSMU 1106S #1106S		0323-Jan-23		OXY USA INC		2205540590			
Date	Time	Treating Pressure	CMT DENS	CMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl	0	0	
2003-Jan-23	23:20	307	14.06	5.7	79.0	0.0	0	0	<b>KCC</b>
2003-Jan-23	23:20	307	14.06	5.7	79.0	0.0	0	0	
2003-Jan-23	23:21	316	13.85	5.7	84.7	0.0	0	0	<b>MAY 07 2003</b>
2003-Jan-23	23:21	316	13.85	5.7	84.7	0.0	0	0	
2003-Jan-23	23:22	320	13.86	5.7	90.4	0.0	0	0	<b>CONFIDENTIAL</b>
2003-Jan-23	23:22	320	13.86	5.7	90.4	0.0	0	0	
2003-Jan-23	23:31								End Cement Slurry
2003-Jan-23	23:31	243	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31	243	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31								End Cement Slurry
2003-Jan-23	23:31								Start Displacement
2003-Jan-23	23:31	224	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31								Start Displacement
2003-Jan-23	23:31	224	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31								End Displacement
2003-Jan-23	23:31								End Displacement
2003-Jan-23	23:31								Start Displacement
2003-Jan-23	23:31								Start Displacement
2003-Jan-23	23:31	233	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31	233	8.40	7.9	93.2	0.0	0	0	
2003-Jan-23	23:31	224	8.40	7.9	93.2	2.7	0	0	
2003-Jan-23	23:31	224	8.40	7.9	93.2	2.7	0	0	<b>RECEIVED</b> KANSAS CORPORATION COMMISSION
2003-Jan-23	23:32	215	8.40	7.9	93.2	25.8	0	0	
2003-Jan-23	23:32	215	8.40	7.9	93.2	25.8	0	0	
2003-Jan-23	23:33	238	8.40	7.9	93.2	33.7	0	0	<b>MAY 08 2003</b>
2003-Jan-23	23:33	238	8.40	7.9	93.2	33.7	0	0	
2003-Jan-23	23:34	238	8.40	7.9	93.2	41.6	0	0	
2003-Jan-23	23:34	238	8.40	7.9	93.2	41.6	0	0	CONSERVATION DIVISION WICHITA, KS
2003-Jan-23	23:35	215	8.39	7.9	93.2	49.6	0	0	
2003-Jan-23	23:35	215	8.39	7.9	93.2	49.6	0	0	
2003-Jan-23	23:36	224	8.40	7.9	93.2	57.5	0	0	
2003-Jan-23	23:36	224	8.40	7.9	93.2	57.5	0	0	
2003-Jan-23	23:37	224	8.39	7.9	93.2	65.4	0	0	
2003-Jan-23	23:37	224	8.39	7.9	93.2	65.4	0	0	
2003-Jan-23	23:38	224	8.40	7.9	93.2	73.3	0	0	
2003-Jan-23	23:38	224	8.40	7.9	93.2	73.3	0	0	
2003-Jan-23	23:39	224	8.40	7.9	93.2	81.2	0	0	
2003-Jan-23	23:39	224	8.40	7.9	93.2	81.2	0	0	
2003-Jan-23	23:40	220	8.40	7.9	93.2	89.0	0	0	
2003-Jan-23	23:40	220	8.40	7.9	93.2	89.0	0	0	
2003-Jan-23	23:41	238	8.39	7.9	93.2	96.9	0	0	
2003-Jan-23	23:41	238	8.39	7.9	93.2	96.9	0	0	
2003-Jan-23	23:42	220	8.40	7.9	93.2	104.8	0	0	
2003-Jan-23	23:42	220	8.40	7.9	93.2	104.8	0	0	
2003-Jan-23	23:43	220	8.39	7.9	93.2	112.7	0	0	
2003-Jan-23	23:43	220	8.39	7.9	93.2	112.7	0	0	
2003-Jan-23	23:44	320	8.39	7.9	93.2	120.6	0	0	
2003-Jan-23	23:44	320	8.39	7.9	93.2	120.6	0	0	
2003-Jan-23	23:45	119	8.39	5.7	93.2	126.8	0	0	<b>Release</b> <b>JUL 11 2004</b>
2003-Jan-23	23:45	119	8.39	5.7	93.2	126.8	0	0	
2003-Jan-23	23:46	156	8.39	5.7	93.2	132.5	0	0	<b>From</b> <b>Confidential</b>
2003-Jan-23	23:46	156	8.39	5.7	93.2	132.5	0	0	
2003-Jan-23	23:47	156	8.39	5.7	93.2	138.3	0	0	
2003-Jan-23	23:47	156	8.39	5.7	93.2	138.3	0	0	

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Well		Field		Service Date		Customer		Job Number	
WSMU 1106S #1106S				0323-Jan-23		OXY USA INC		2205540590	
Date	Time	Treating Pressure	CMT DENS	GMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	bbbl	0	0	
2003-Jan-23	23:48	124	8.39	5.7	93.2	144.0	0	0	KCC MAY 07 2003 CONFIDENTIAL
2003-Jan-23	23:48	124	8.39	5.7	93.2	144.0	0	0	
2003-Jan-23	23:49	137	8.39	5.7	93.2	149.7	0	0	
2003-Jan-23	23:49	137	8.39	5.7	93.2	149.7	0	0	
2003-Jan-23	23:50	92	8.39	3.9	93.2	154.3	0	0	
2003-Jan-23	23:50	92	8.39	3.9	93.2	154.3	0	0	
2003-Jan-23	23:51	101	8.39	3.9	93.2	158.2	0	0	
2003-Jan-23	23:51	101	8.39	3.9	93.2	158.2	0	0	
2003-Jan-23	23:52	96	8.39	3.9	93.2	162.1	0	0	
2003-Jan-23	23:52	96	8.39	3.9	93.2	162.1	0	0	
2003-Jan-23	23:53	96	8.39	3.9	93.2	166.0	0	0	
2003-Jan-23	23:53	96	8.39	3.9	93.2	166.0	0	0	
2003-Jan-23	23:54	50	8.39	0.7	93.2	168.5	0	0	
2003-Jan-23	23:54	50	8.39	0.7	93.2	168.5	0	0	
2003-Jan-23	23:55	27	7.64	0.0	93.2	168.6	0	0	
2003-Jan-23	23:55	27	7.64	0.0	93.2	168.6	0	0	
2003-Jan-23	23:56	101	8.38	1.0	93.2	169.9	0	0	
2003-Jan-23	23:56	101	8.38	1.0	93.2	169.9	0	0	
2003-Jan-23	23:57	101	8.38	1.0	93.2	170.8	0	0	
2003-Jan-23	23:57	101	8.38	1.0	93.2	170.8	0	0	
2003-Jan-23	23:58	46	8.38	0.3	93.2	171.4	0	0	
2003-Jan-23	23:58	46	8.38	0.3	93.2	171.4	0	0	
2003-Jan-23	23:59	46	8.39	0.3	93.2	171.7	0	0	
2003-Jan-23	23:59	46	8.39	0.3	93.2	171.7	0	0	
2003-Jan-24	0:00	27	7.61	0.0	93.2	171.7	0	0	
2003-Jan-24	0:00	27	7.61	0.0	93.2	171.7	0	0	
2003-Jan-24	0:01	46	8.39	0.3	93.2	172.0	0	0	
2003-Jan-24	0:01	46	8.39	0.3	93.2	172.0	0	0	
2003-Jan-24	0:02	46	8.39	0.3	93.2	172.3	0	0	
2003-Jan-24	0:02	46	8.39	0.3	93.2	172.3	0	0	
2003-Jan-24	0:03	114	8.39	1.0	93.2	172.9	0	0	
2003-Jan-24	0:03	114	8.39	1.0	93.2	172.9	0	0	
2003-Jan-24	0:04	119	8.39	1.0	93.2	173.9	0	0	
2003-Jan-24	0:04	119	8.39	1.0	93.2	173.9	0	0	
2003-Jan-24	0:05	78	8.39	0.3	93.2	174.5	0	0	
2003-Jan-24	0:05	78	8.39	0.3	93.2	174.5	0	0	
2003-Jan-24	0:06	87	8.39	0.3	93.2	174.8	0	0	
2003-Jan-24	0:06	87	8.39	0.3	93.2	174.8	0	0	
2003-Jan-24	0:07	128	8.39	1.0	93.2	175.4	0	0	
2003-Jan-24	0:07	128	8.39	1.0	93.2	175.4	0	0	
2003-Jan-24	0:08	215	8.39	1.0	93.2	176.4	0	0	
2003-Jan-24	0:08	215	8.39	1.0	93.2	176.4	0	0	
2003-Jan-24	0:09	307	8.39	1.8	93.2	178.3	0	0	
2003-Jan-24	0:09	307	8.39	1.8	93.2	178.3	0	0	
2003-Jan-24	0:10	316	8.39	1.8	93.2	180.2	0	0	
2003-Jan-24	0:10	316	8.39	1.8	93.2	180.2	0	0	
2003-Jan-24	0:11	307	8.39	1.8	93.2	182.0	0	0	
2003-Jan-24	0:11	307	8.39	1.8	93.2	182.0	0	0	
2003-Jan-24	0:12	325	8.39	1.8	93.2	183.8	0	0	
2003-Jan-24	0:12	325	8.39	1.8	93.2	183.8	0	0	
2003-Jan-24	0:13	357	8.39	1.8	93.2	185.7	0	0	
2003-Jan-24	0:13	357	8.39	1.8	93.2	185.7	0	0	
2003-Jan-24	0:14	380	8.39	1.8	93.2	187.5	0	0	
2003-Jan-24	0:14	380	8.39	1.8	93.2	187.5	0	0	

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Well		Field			Service Date		Customer		Job Number	
WSMU-1106S #1106S					0323-Jan-23		OXY USA INC		2205540590	
Date	Time	Treating Pressure	CMT DENS	CMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl	0	0		
2003-Jan-24	0:15	407	8.39	1.8	93.2	189.3	0	0	KCC	
2003-Jan-24	0:15	407	8.39	1.8	93.2	189.3	0	0		
2003-Jan-24	0:16	430	8.39	1.8	93.2	191.1	0	0	MAY 07 2003	
2003-Jan-24	0:16	430	8.39	1.8	93.2	191.1	0	0		
2003-Jan-24	0:17	467	8.39	1.8	93.2	193.0	0	0	CONFIDENTIAL	
2003-Jan-24	0:17	467	8.39	1.8	93.2	193.0	0	0		
2003-Jan-24	0:18	481	8.39	1.8	93.2	194.8	0	0		
2003-Jan-24	0:18	481	8.39	1.8	93.2	194.8	0	0		
2003-Jan-24	0:19	494	8.39	1.8	93.2	196.6	0	0		
2003-Jan-24	0:19	494	8.39	1.8	93.2	196.6	0	0		
2003-Jan-24	0:20	526	8.39	1.8	93.2	198.5	0	0		
2003-Jan-24	0:20	526	8.39	1.8	93.2	198.5	0	0		
2003-Jan-24	0:21	558	8.39	1.8	93.2	200.3	0	0		
2003-Jan-24	0:21	558	8.39	1.8	93.2	200.3	0	0		
2003-Jan-24	0:22	563	8.39	1.8	93.2	202.1	0	0		
2003-Jan-24	0:22	563	8.39	1.8	93.2	202.1	0	0		
2003-Jan-24	0:23	591	8.39	1.8	93.2	204.0	0	0		
2003-Jan-24	0:23	591	8.39	1.8	93.2	204.0	0	0		
2003-Jan-24	0:24	613	8.39	1.8	93.2	205.8	0	0		
2003-Jan-24	0:24	613	8.39	1.8	93.2	205.8	0	0	RECEIVED	
2003-Jan-24	0:25	645	8.39	1.8	93.2	207.6	0	0		
2003-Jan-24	0:25	645	8.39	1.8	93.2	207.6	0	0	KANSAS CORPORATION COMMISSION	
2003-Jan-24	0:26	664	8.39	1.8	93.2	209.5	0	0		
2003-Jan-24	0:26	664	8.39	1.8	93.2	209.5	0	0	MAY 08 2003	
2003-Jan-24	0:27	696	8.39	1.8	93.2	211.3	0	0		
2003-Jan-24	0:27	696	8.39	1.8	93.2	211.3	0	0	CONSERVATION DIVISION WICHITA, KS	
2003-Jan-24	0:28	700	8.39	1.8	93.2	213.1	0	0		
2003-Jan-24	0:28	700	8.39	1.8	93.2	213.1	0	0		
2003-Jan-24	0:29	737	8.39	1.8	93.2	214.9	0	0		
2003-Jan-24	0:29	737	8.39	1.8	93.2	214.9	0	0		
2003-Jan-24	0:30	751	8.39	1.8	93.2	216.7	0	0		
2003-Jan-24	0:30	751	8.39	1.8	93.2	216.7	0	0		
2003-Jan-24	0:31	778	8.39	1.8	93.2	218.6	0	0		
2003-Jan-24	0:31	778	8.39	1.8	93.2	218.6	0	0		
2003-Jan-24	0:32	797	8.39	1.8	93.2	220.4	0	0		
2003-Jan-24	0:32	797	8.39	1.8	93.2	220.4	0	0		
2003-Jan-24	0:33	819	8.39	1.8	93.2	222.2	0	0		
2003-Jan-24	0:33	819	8.39	1.8	93.2	222.2	0	0		
2003-Jan-24	0:34	847	8.39	1.8	93.2	224.1	0	0		
2003-Jan-24	0:34	847	8.39	1.8	93.2	224.1	0	0		
2003-Jan-24	0:35	861	8.39	1.8	93.2	225.9	0	0		
2003-Jan-24	0:35	861	8.39	1.8	93.2	225.9	0	0		
2003-Jan-24	0:36	893	8.39	1.8	93.2	227.7	0	0		
2003-Jan-24	0:36	893	8.39	1.8	93.2	227.7	0	0		
2003-Jan-24	0:37	920	8.39	1.8	93.2	229.5	0	0		
2003-Jan-24	0:37	920	8.39	1.8	93.2	229.5	0	0		
2003-Jan-24	0:38	938	8.39	1.8	93.2	231.3	0	0		
2003-Jan-24	0:38	938	8.39	1.8	93.2	231.3	0	0		
2003-Jan-24	0:39	952	8.39	1.8	93.2	233.1	0	0	Release	
2003-Jan-24	0:39	952	8.39	1.8	93.2	233.1	0	0		
2003-Jan-24	0:40	975	8.39	1.8	93.2	235.0	0	0	JUL 16 2004	
2003-Jan-24	0:40	975	8.39	1.8	93.2	235.0	0	0	From	
2003-Jan-24	0:41	998	8.39	1.8	93.2	236.8	0	0		
2003-Jan-24	0:41	998	8.39	1.8	93.2	236.8	0	0	Confidential	

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Well		Field			Service Date		Customer		Job Number
WSMU 1106S #1106S					0323-Jan-23		OXY USA INC		2205540590
Date	Time	Treating Pressure	CMT DENS	CMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	bbbl	0	0	
2003-Jan-24	0:42	1002	8.39	1.8	93.2	238.6	0	0	KCC
2003-Jan-24	0:42	1002	8.39	1.8	93.2	238.6	0	0	MAY 07 2003
2003-Jan-24	0:43	1108	8.39	1.8	93.2	240.4	0	0	
2003-Jan-24	0:43	1108	8.39	1.8	93.2	240.4	0	0	CONFIDENTIAL
2003-Jan-24	0:44	993	8.39	0.3	93.2	242.1	0	0	
2003-Jan-24	0:44	993	8.39	0.3	93.2	242.1	0	0	
2003-Jan-24	0:45	1135	8.39	2.3	93.2	242.9	0	0	
2003-Jan-24	0:45	1135	8.39	2.3	93.2	242.9	0	0	
2003-Jan-24	0:46	847	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:46	847	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:47	774	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:47	774	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:48	723	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:48	723	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:49	668	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:49	668	8.39	0.0	93.2	244.2	0	0	
2003-Jan-24	0:50	650	8.40	0.0	93.2	244.2	0	0	
2003-Jan-24	0:50	650	8.40	0.0	93.2	244.2	0	0	
2003-Jan-24	0:51	636	8.40	0.0	93.2	244.2	0	0	RECEIVED
2003-Jan-24	0:51	636	8.40	0.0	93.2	244.2	0	0	KANSAS CORPORATION COMMISSION
2003-Jan-24	0:52	636	8.40	0.0	93.2	244.2	0	0	
2003-Jan-24	0:52	636	8.40	0.0	93.2	244.2	0	0	
2003-Jan-24	0:53	636	8.40	0.0	93.2	244.2	0	0	MAY 08 2003
2003-Jan-24	0:53	636	8.40	0.0	93.2	244.2	0	0	
2003-Jan-24	0:54	632	8.41	0.0	93.2	244.2	0	0	CONSERVATION DIVISION
2003-Jan-24	0:54	632	8.41	0.0	93.2	244.2	0	0	WICHITA, KS
2003-Jan-24	0:55	632	8.41	0.0	93.2	244.2	0	0	
2003-Jan-24	0:55	632	8.41	0.0	93.2	244.2	0	0	
2003-Jan-24	0:56	627	8.41	0.0	93.2	244.2	0	0	
2003-Jan-24	0:56	627	8.41	0.0	93.2	244.2	0	0	
2003-Jan-24	0:57	632	8.42	0.0	93.2	244.2	0	0	
2003-Jan-24	0:57	632	8.42	0.0	93.2	244.2	0	0	
2003-Jan-24	0:58	623	8.42	0.7	93.2	244.2	0	0	
2003-Jan-24	0:58	623	8.42	0.7	93.2	244.2	0	0	
2003-Jan-24	0:59	1012	8.41	1.5	93.2	245.7	0	0	
2003-Jan-24	0:59	1012	8.41	1.5	93.2	245.7	0	0	
2003-Jan-24	1:00	1021	8.41	1.5	93.2	247.2	0	0	
2003-Jan-24	1:00	1021	8.41	1.5	93.2	247.2	0	0	
2003-Jan-24	1:01	829	8.41	0.0	93.2	247.3	0	0	
2003-Jan-24	1:01	829	8.41	0.0	93.2	247.3	0	0	
2003-Jan-24	1:02	23	8.41	0.0	93.2	247.3	0	0	
2003-Jan-24	1:02	23	8.41	0.0	93.2	247.3	0	0	

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Well		Field		Service Date		Customer		Job Number	
WV 101083 #11083				0323-Jan-23		OXY USA INC		2205540590	
Date	Time	Treating Pressure	CMT DENS	CMT RATE	CMT CEMENT VOL	CMT DISP VOL	0	0	Message
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	bbbl	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			6	93		20			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
					bbbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume <input type="checkbox"/> Washed Thru Perfs To		<input checked="" type="checkbox"/> Job Completed			
%	98 bbl	154 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost			
COMPANY, REP.			Iglehart, Charles			<input checked="" type="checkbox"/> Job Completed			

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Schlumberger

Service Order

2003-Feb-03

Customer OXY USA, INC.		Person Taking Call Cothren, Randy		Dowell Location Perryton, TX		Order Date 2003-Feb-03		Job Number 2205541750				
Well Name and Number WSMU 1106S			Legal Location SEC33-34-41		Field		County MORTON		State/Province KANSAS			
Well Master: 0630470083			API / UWI:									
Rig Name			Well Age New		Sales Engineer Parra Bandala-Dolores, Maria			Job Type Cern Top Outside Case				
Time Well Ready: 2/4/2003 8:00 AM		Deviation 0		Bit Size in		Well MD 3,151 ft		Well TVD 3,151 ft		BHP 1500 psi	BHST 107 °F	BHCT 89 °F
Treat Down Casing		Packer Type None	Packer Depth 0 ft	Wellhead Connection		HHP on Location		Max Allowed Pressure 1500		Max Allowed Ann Pressure		
<b>Casing</b>					<b>Services Instructions:</b>							
Depth, ft	Size, In	Weight, lb/ft	Grade	Thread	CEMENT PORT COLLAR W: 230 SKS PANHANDLELITE+0.25 PPS D29 50 SKS CLASS C +2%S1+0.25 PPS D29							
3151	7	17	K55	8RD								
<b>Tubing</b>												
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: 2/4/2003 8:00 AM					Ready To Pump:							

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<b>Notes:</b>	CONSERVATION DIVISION
COSTUMER WILL PROVIDE FLOAT EQUIPMENT	WICHITA, KS

**Directions:**  
FROM WILBURTON, KS 1 1/4 MILES WEST ON HWY 56 === 2 MILES SOUTH EAST INTO

**Other Notes:**  
BE SAFE !!!

**Comments:**  
CEMENT PORT COLLAR @ 3,151 FT TO SURF CASING SHOE @ 1,449

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Fluid Systems:

LEAD			
230 SKS PANHANDLE LITE +0.25 PPS D29			
Density:	11.4 lb/gal	Thickening Time:	
Yield:	3.07 ft <sup>3</sup> /sk		
H2O Mix:	18.23 gal/sk		
H2O:	4192.9 gal	Eq. Sack Weight:	94 lb
		Total Blend:	230 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D046	0.188 lbs/sk	43.24	
D029	0.25 lbs/sk	57.5	
D044	6 lbs/sk	1380	
S001	2.82 lbs/sk	648.6	
D030	0.94 lbs/sk	216.2	
D053	1.88 lbs/sk	432.4	
D079	1.88 lbs/sk	432.4	
CLASS C	94 lbs/sk	21620	

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TAIL			
50 SKS CLASS C+2%S1+0.25 PPS D29			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.32 ft <sup>3</sup> /sk		
H2O Mix:	6.3 gal/sk		
H2O:	315 gal	Eq. Sack Weight:	94 lb
		Total Blend:	50 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	12.5	
S001	1.88 lbs/sk	94	
CLASS C	94 lbs/sk	4700	

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CONSERVATION DIVISION  
WICHITA, KS

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Customer <b>OXY USA, INC.</b>						Job Number <b>2205541750</b>									
Well <b>WSMU 1106S</b>			Location (legal) <b>SEC33-34-41</b>			Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2003-Feb-03</b>							
Field		Formation Name/Type <b>Dolomite</b>		Deviation <b>0</b>	Bit Size <b>in</b>	Well MD <b>3,151 ft</b>	Well TVD <b>3,151 ft</b>								
County <b>MORTON</b>		State/Province <b>KANSAS</b>		BHP <b>1500 psi</b>	BHST <b>107 °F</b>	BHCT <b>89 °F</b>	Pore Press. Gradient <b>psi/ft</b>								
Well Master: <b>0630470083</b>		API / UWI: <b>MAY 07 2003</b>		Casing/Liner											
Rig Name		Drilled For <b>Oil &amp; Gas</b>		Service Via <b>CONFIDENTIAL</b>	Depth, ft <b>151</b>	Size, in <b>7</b>	Weight, lb/ft <b>17</b>	Grade <b>K55</b>	Thread <b>8RD</b>						
Offshore Zone		Well Class <b>New</b>		Well Type <b>Development</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 Top Outside Case</b>			Perforations/Open Hole										
Max. Allowed Tubing Pressure <b>1500 psi</b>		Max. Allowed Ann. Pressure <b>psi</b>		Wellhead Connection		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>					
Service Instructions <b>CEMENT PORT COLLAR W: 230 SKS PANHANDLELITE+0.25 PPS D29 50 SKS CLASS C +2%S1+0.25 PPS D29</b>						Diameter <b>in</b>	Treat Down <b>Casing</b>	Displacement <b>bbl</b>	Packer Type <b>None</b>	Packer Depth <b>0 ft</b>					
						Tubing Vol. <b>bbl</b>	Casing Vol. <b>bbl</b>	Annular Vol. <b>bbl</b>	Open Hole Vol. <b>bbl</b>						
						Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
						Lift Pressure: <b>psi</b>		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type	
No. Centralizers:		Top Plugs:		Bottom Plugs:		Shoe Depth: <b>ft</b>		Tool Type:							
Cement Head Type:		Stage Tool Type:		Tool Depth: <b>ft</b>		Stage Tool Depth: <b>ft</b>		Tool Depth: <b>ft</b>							
Job Scheduled For: <b>2/4/2003 8:00</b>		Arrived on Location: <b>2003-Feb-03 8:00</b>		Leave Location: <b>2003-Feb-03 8:00</b>		Collar Type:		Tall Pipe Size: <b>in</b>							
						Collar Depth: <b>ft</b>		Tall Pipe Depth: <b>ft</b>							
								Sqz Total Vol: <b>bbl</b>							
Date	Time	CMT VOL	CMT RATE	CMT TREAT PRES	CMT DENS	FLOWMETER	FLOWTOT	0	Message						
	24 hr clock	bbl	bbl/min	psi	lb/gal	bbl/min	bbl	0							
2003-Feb-04	9:43	0.0	0.0	-5	1.01	0.0	0.0	0							
2003-Feb-04	9:43								pressure test port collar						
2003-Feb-04	9:43	0.0	0.0	0	1.01	0.0	0.0	0	RECEIVED KANSAS CORPORATION COMMISSION						
2003-Feb-04	9:45	0.0	0.0	-5	1.01	0.0	0.0	0							
2003-Feb-04	9:46	0.0	0.0	0	1.01	0.0	0.0	0	MAY 08 2003						
2003-Feb-04	9:48	0.0	0.0	0	8.39	5.6	2.2	0							
2003-Feb-04	9:49	5.4	0.0	14	8.41	5.7	10.0	0							
2003-Feb-04	9:50	5.4	0.0	5	8.41	5.8	13.6	0	CONSERVATION DIVISION WICHITA, KS						
2003-Feb-04	9:50								Reset Total, Vol = 5.43 bbl						
2003-Feb-04	9:51	0.4	3.0	60	8.41	3.5	4.3	0							
2003-Feb-04	9:52	1.9	0.0	60	8.41	2.7	8.9	0							
2003-Feb-04	9:54	1.9	0.0	60	8.41	1.9	12.5	0							
2003-Feb-04	9:55	3.3	1.9	243	8.41	2.0	14.9	0	Release						
2003-Feb-04	9:57	4.6	0.0	851	8.36	5.7	20.6	0	MAY 15 2004						
2003-Feb-04	9:58	4.7	0.5	897	8.39	0.4	26.3	0	From						
2003-Feb-04	10:00	5.0	0.0	1094	8.37	5.7	30.9	0	Confidential						
2003-Feb-04	10:01	5.0	0.0	69	8.41	0.0	36.8	0							
2003-Feb-04	10:01	5.0	0.0	64	8.44	2.6	37.0	0							
2003-Feb-04	10:01								Reset Total, Vol = 4.96 bbl						
2003-Feb-04	10:03								Reset Total, Vol = 0.00 bbl						
2003-Feb-04	10:03	5.0	0.0	-9	8.42	5.3	41.5	0							
2003-Feb-04	10:03	0.0	0.0	-9	8.42	5.9	0.9	0							

**CONFIDENTIAL**

**ORIGINAL**

Well		Field		Service Date		Customer		Job Number	
WSMU #1106S				0334-Feb-03		OXY USA, INC.		2205541760	
Date	Time	CMT VOL	CMT RATE	CMT TREAT PRES	CMT DENS	FLOWMETER	FLOWTOT	0	Message
	24 hr clock	bbl	bbl/min	psi	lb/gal	bbl/min	bbl	0	<b>KCC</b>
2003-Feb-04	10:04	1.9	3.0	133	8.41	3.1	5.5	0	<b>MAY 07 2003</b>
2003-Feb-04	10:06	6.4	3.1	224	8.41	3.1	10.2	0	
2003-Feb-04	10:07	11.1	3.1	252	8.41	3.2	15.0	0	<b>CONFIDENTIAL</b>
2003-Feb-04	10:09	15.7	3.1	307	8.33	3.2	19.8	0	
2003-Feb-04	10:10								Reset Total, Vol = 18.18 bbl
2003-Feb-04	10:10	18.2	3.0	307	8.80	2.6	22.3	0	
2003-Feb-04	10:10	0.4	3.0	302	9.41	2.7	0.3	0	
2003-Feb-04	10:10								Start Cement Slurry
2003-Feb-04	10:10								Start Mixing Lead Slurry
2003-Feb-04	10:10	0.5	3.0	302	9.60	2.7	0.4	0	
2003-Feb-04	10:10	2.2	3.5	352	11.72	0.0	1.6	0	
2003-Feb-04	10:12	7.7	3.8	288	12.07	3.8	6.9	0	
2003-Feb-04	10:13	13.6	4.1	220	11.17	4.0	12.8	0	
2003-Feb-04	10:15	20.0	4.3	151	11.35	4.2	19.3	0	
2003-Feb-04	10:16	26.3	4.1	174	11.40	4.2	25.7	0	
2003-Feb-04	10:18	32.5	4.1	201	11.34	4.1	31.9	0	<b>Release</b>
2003-Feb-04	10:19	38.6	4.1	215	11.42	4.1	38.1	0	<b>JUL 16 2004</b>
2003-Feb-04	10:21	44.8	4.0	224	10.15	3.9	44.3	0	<b>From</b>
2003-Feb-04	10:22	50.7	4.0	238	12.22	4.0	50.2	0	<b>Confidential</b>
2003-Feb-04	10:24	56.8	4.0	233	11.97	4.1	56.2	0	
2003-Feb-04	10:25	62.9	4.1	229	11.27	4.2	62.4	0	
2003-Feb-04	10:27	69.1	4.1	238	11.35	4.1	68.7	0	
2003-Feb-04	10:28	75.2	4.0	252	11.83	3.4	74.7	0	
2003-Feb-04	10:30	81.1	3.9	284	11.34	4.0	80.7	0	
2003-Feb-04	10:31	87.0	3.9	302	11.40	3.9	86.6	0	
2003-Feb-04	10:33	92.7	3.8	316	11.30	3.7	92.3	0	
2003-Feb-04	10:34	98.4	3.8	339	11.68	3.8	97.9	0	
2003-Feb-04	10:36	104.0	3.8	343	11.64	3.8	103.5	0	
2003-Feb-04	10:37	109.6	3.8	348	11.66	3.8	109.1	0	
2003-Feb-04	10:39	115.2	3.7	362	11.63	3.7	114.8	0	
2003-Feb-04	10:40	120.8	3.7	362	13.07	3.8	120.3	0	
2003-Feb-04	10:41	124.8	3.8	334	14.38	3.7	124.3	0	
2003-Feb-04	10:41								Reset Total, Vol = 124.78 bbl
2003-Feb-04	10:42	1.6	3.8	334	15.05	3.8	1.6	0	
2003-Feb-04	10:43	7.5	4.0	270	15.16	3.6	7.5	0	
2003-Feb-04	10:45	13.8	4.3	266	14.72	4.3	13.7	0	
2003-Feb-04	10:45								Reset Total, Vol = 15.78 bbl
2003-Feb-04	10:45	15.8	4.3	261	14.64	4.4	15.8	0	
2003-Feb-04	10:45								End Lead Slurry
2003-Feb-04	10:45	0.4	4.3	229	10.56	3.9	0.4	0	
2003-Feb-04	10:45	0.6	4.3	215	9.75	3.9	0.5	0	
2003-Feb-04	10:45								End Cement Slurry
2003-Feb-04	10:45	0.8	4.3	206	9.51	4.0	0.7	0	
2003-Feb-04	10:45								Start Displacement
2003-Feb-04	10:46	4.4	4.2	229	8.50	4.6	4.8	0	
2003-Feb-04	10:48	10.3	3.6	371	8.35	3.7	11.0	0	
2003-Feb-04	10:49	15.7	3.5	641	8.41	3.5	16.5	0	
2003-Feb-04	10:51	16.4	0.0	320	8.40	5.9	24.3	0	
2003-Feb-04	10:52	16.6	0.9	650	8.41	1.0	30.5	0	
2003-Feb-04	10:53								Reset Total, Vol = 16.95 bbl
2003-Feb-04	10:53	16.9	0.0	998	8.41	5.6	31.4	0	
2003-Feb-04	10:53								Reset Total, Vol = 0.00 bbl
2003-Feb-04	10:53	16.9	0.0	998	8.41	5.8	31.7	0	
2003-Feb-04	10:54	16.9	0.0	774	8.46	0.0	34.5	0	

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Well		Field		Service Date		Customer		Job Number	
WSMU #1106S				0334-Feb-03		OXY USA, INC.		2205541750	
Date	Time	CMT VOL	CMT RATE	CMT TREAT PRES	CMT DENS	FLOWMETER	FLOWTOT	0	Message
	24 hr clock	bbl	bbl/min	psi	lb/gal	bbl/min	bbl	0	
2003-Feb-04	10:55	16.9	0.0	-5	8.41	0.0	34.5	0	KCC
2003-Feb-04	10:57	16.9	0.0	188	8.41	0.0	34.5	0	
2003-Feb-04	10:58	16.9	0.0	174	8.41	0.0	34.5	0	MAY 07 2003 RECEIVED
2003-Feb-04	11:00	16.9	0.0	179	8.41	0.0	34.5	0	KANSAS CORPORATION COMMISSION
2003-Feb-04	11:01	17.5	0.6	224	8.41	0.6	35.1	0	CONFIDENTIAL
2003-Feb-04	11:03	19.8	2.1	343	8.41	2.1	37.4	0	MAY 08 2003
2003-Feb-04	11:04	23.0	2.1	343	8.41	2.2	40.6	0	
2003-Feb-04	11:06	26.2	2.1	339	8.39	2.2	43.9	0	
2003-Feb-04	11:07	29.4	2.1	334	8.39	2.2	47.2	0	CONSERVATION DIVISION WICHITA, KS
2003-Feb-04	11:09	32.7	2.3	270	8.41	2.4	50.5	0	
2003-Feb-04	11:10	36.8	3.0	197	8.41	3.1	54.8	0	
2003-Feb-04	11:12	41.8	3.7	233	8.41	3.8	59.9	0	
2003-Feb-04	11:12	42.5	0.0	-14	8.41	5.8	61.3	0	
2003-Feb-04	11:12								Reset Total, Vol = 25.54 bbl
2003-Feb-04	11:13	42.5	0.0	0	8.41	1.5	63.2	0	
2003-Feb-04	11:15	42.5	0.0	0	8.41	1.9	66.0	0	
2003-Feb-04	11:16	42.5	0.0	0	8.41	1.9	68.9	0	
2003-Feb-04	11:18	42.5	0.0	0	8.41	1.9	71.8	0	
2003-Feb-04	11:19	42.5	0.0	-5	8.41	1.9	74.6	0	
2003-Feb-04	11:21	42.5	0.0	-5	8.41	0.0	76.9	0	

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
					bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft			
%	bbl	bbl	°F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed		
WILEY, CAL			Halpain, Erik				

Release  
 JUL 06 2004  
 From  
 Confidential



Customer OXY USA, INC.						Job Number 2205541750							
Well WSMU 1106S			Location (legal) SEC33-34-41			Schlumberger Location Perryton, TX			Job Start 2003-Feb-03				
Field		Formation Name/Type Dolomite		Deviation 0		Bit Size in		Well MD 3,151 ft		Well TVD 3,151 ft			
County MORTON		State/Province KANSAS		BHP 1500 psi		BHST 107 °F		BHCT 89 °F		Pore Press. Gradient psi/ft			
Well Master: 0630470083		API / UWI: MAY 07 2003		Casing/Liner									
Rig Name		Drilled For Oil & Gas		Service Via		Depth, ft 3153		Size, in 7		Weight, lb/ft 17			
Offshore Zone		Well Class New		Well Type Development		Grade K55		Thread 8RD					
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cp		Depth, ft		Size, in		Weight, lb/ft			
Service Line Cementing		Job Type Cem Top Outside Case		Tubing/Drill Pipe									
Max. Allowed Tubing Pressure 1500 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection		Depth, ft		Size, in		Weight, lb/ft			
Service Instructions CEMENT PORT COLLAR W: 230 SKS PANHANDLELITE+0.25 PPS D29 50 SKS CLASS C +2%S1+0.25 PPS D29						Top, ft		Bottom, ft		spf			
						No. of Shots		Total Interval ft		Diameter in			
						Treat Down Casing		Displacement 18.2 bbl		Packer Type None		Packer Depth 0 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"/>				Casing Tools		Squeeze Job			
Lift Pressure: psi				Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>					
No. Centralizers: Top Plugs:				Bottom Plugs:				Shoe Type:		Squeeze Type			
Cement Head Type:				Stage Tool Type:				Shoe Depth: ft		Tool Type:			
Job Scheduled For: 2/4/2003 8:00		Arrived on Location: 2003-Feb-03 8:00		Leave Location: 2003-Feb-03 8:00		Stage Tool Depth: ft		Tool Depth: ft		Tail Pipe Size: in			
				Collar Type:				Collar Depth: ft		Tail Pipe Depth: ft			
				Collar Depth: ft				Sqz Total Vol: bbl					
Date	Time	CMT VOL 24 hr clock bbl	CMT RATE bbl/min	CMT TREAT PRES psi	CMT DENS lb/gal	FLOWMETER bbl/min	FLOWTOT bbl	0	Message				
2003-Feb-04	14:05	0.0	0.0	5	8.41	0.0	0.0	0					
2003-Feb-04	14:05	0.0	0.0	0	8.41	1.3	0.0	0					
2003-Feb-04	14:05								Start Job				
2003-Feb-04	14:05	0.0	0.0	5	8.41	2.3	0.2	0					
2003-Feb-04	14:05								Start Circulation				
2003-Feb-04	14:06	1.4	3.3	288	8.41	3.1	4.1	0	RECEIVED				
2003-Feb-04	14:08	6.7	3.4	371	8.41	3.4	9.5	0	KANSAS CORPORATION COMMISSION				
2003-Feb-04	14:09	11.8	3.5	389	8.41	3.6	14.8	0					
2003-Feb-04	14:11	17.1	3.5	417	8.41	3.6	20.2	0	MAY 08 2003				
2003-Feb-04	14:12	22.4	3.6	380	8.31	3.7	25.6	0					
2003-Feb-04	14:14	27.8	3.6	407	8.33	3.7	31.1	0	CONSERVATION DIVISION				
2003-Feb-04	14:15	33.1	3.6	403	8.35	3.7	36.7	0	WICHITA KS				
2003-Feb-04	14:17	38.5	3.6	444	8.39	3.7	42.2	0	Release				
2003-Feb-04	14:18	43.9	3.6	449	8.39	3.7	47.7	0					
2003-Feb-04	14:20	49.4	3.6	435	8.39	3.7	53.3	0					
2003-Feb-04	14:21	54.8	3.6	421	8.38	3.7	58.9	0	JUL 16 2004				
2003-Feb-04	14:23	60.3	3.6	444	8.39	3.7	64.5	0	From				
2003-Feb-04	14:24	64.8	0.0	5	5.75	0.5	69.3	0	Confidential				
2003-Feb-04	14:24	64.8	0.0	0	9.12	0.0	69.3	0					
2003-Feb-04	14:24								Reset Total, Vol = 64.80 bbl				

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**ORIGINAL**

Well WSMU #1106S		Field			Service Date 0334-Feb-03		Customer OXY USA, INC.		Job Number 2205541750	
Date	Time 24 hr clock	CMT VOL bbl	CMT RATE bbl/min	CMT TREAT PRES psi	CMT DENS lb/gal	FLOWMETER bbl/min	FLOWTOT bbl	0	Message	
<b>Post Job Summary</b>										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume			Density		
					bbl			lb/gal		
Avg. N2 Percent %	Designed Slurry Volume bbl		Displacement bbl	Mix Water Temp °F	<input type="checkbox"/> Cement Circulated to Surface?		Volume bbl			
					<input type="checkbox"/> Washed Thru Perfs		To	ft		
Customer or Authorized Representative WILEY, CAL			Schlumberger Supervisor Halpain, Erik			<input type="checkbox"/> Circulation Lost		<input type="checkbox"/> Job Completed		

**KCC**

**MAY 07 2003**

**CONFIDENTIAL**

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**MAY 08 2003**

CONSERVATION DIVISION  
WICHITA, KS

**Release**  
**JUL 15 2004**  
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Schlumberger

Service Order

2003-Jan-11

Customer OXY USA INC		Person Taking Call Cothren, Randy		Dowell Location KCC Perryton, TX		Order Date 2003-Jan-09	Job Number 2205541617	
Well Name and Number WSMU 1106S		Legal Location SEC33-34-41		Field MAY 07 2003		County MORTON		State/Province KANSAS
Well Master: 0630470083		API/UWI:						
Rig Name		Well Age New	Sales Engineer Parra Bandala-Dolores, Maria			Job Type Cem Surface Casing		
Time Well Ready: 1/11/2003 9:00 AM		Deviation 0	Bit Size 13.5 in	Well MD 1,450 ft	Well TVD 1,450 ft	BHP 2000 psi	BHST 90 °F	BHCT 86 °F
Treat Down Casing	Packer Type None	Packer Depth 0 ft	Well/Head Connection 9 5/8	HHP on Location	Max Allowed Pressure 2000		Max Allowed Ann Pressure	
<b>Casing</b>				<b>Services Instructions:</b>				
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	CEM 9 5/8 IN SURFACE CASING W: LEAD: 560 SKS 35:65 POZ +6%D20+2%S1+0.25 PPS D29 TAIL: 150 CLASS C+2%S1			
1456.6	9.63	36	K55	8RD				
<b>Tubing</b>								
Depth,	Size, in	Weight, lb/ft	Grade	Thread				
<b>Perforated Intervals</b>				<b>Extra Equipment:</b>				
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval	2 ABTS 1 PUMP 1 CEMCAT			
				ft				
				Diameter				
				in				
Expected On Location: 1/11/2003 9:00 AM Ready To Pump:								

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KANSAS CORPORATION COMMISSION  
MAY 08 2003  
CONSERVATION DIVISION  
WICHITA, KS

**Notes:**  
1 CEMENT GUIDE SHOE === 1 ORIFICE FILL INSERT === 1 TOP PLUG === 5 CENTRALIZERS === 1 CEMENT BASKET

**Directions:**  
ON WILBURTON,KS ===1. 1/4 MILES WEST ON HIGHWAY 56 ===== 2 MILES SOUTH === EAST INTO

**Other Notes:**  
BE SAFE!!! IF YOU ARE TIRED DON'T DRIVE!!!!!!

**Comments:**

Release  
JUL 05 2004  
From  
Confidential

Fluid Systems:

LEAD			
560 SKS 35.65 POZ C+ADDS6%D20+2%S1+0.25 PPS D29			
Density:	12.2	lb/gal	Thickening Time:
Yield:	2.18	ft <sup>3</sup> /sk	
H2O Mix:	12.31	gal/sk	
H2O:	6893.6	gal	Eq. Sack Weight: 88.75 lb
			Total Blend: 560 sacks
Dowell Code	Conc/ Amount		Total Quantity
D029	0.25	lbs/sk	140
S001	1.775	lbs/sk	994
D020	5.325	lbs/sk	2982
POZ	27.65	lbs/sk	15484
CLASS C	61.1	lbs/sk	34216

TAIL			
150 SKS CLASS C+2%S1			
Density:	14.8	lb/gal	Thickening Time:
Yield:	1.34	ft <sup>3</sup> /sk	
H2O Mix:	6.3	gal/sk	
H2O:	945	gal	Eq. Sack Weight: 94 lb
			Total Blend: 150 sacks
Dowell Code	Conc/ Amount		Total Quantity
S001	1.88	lbs/sk	282
CLASS C	94	lbs/sk	14100

**Cementing Service Report**

Customer OXY USA INC.						Job Number 2205541617			
Well WSMU 1106S			Location (legal) SEC33-34-41			Schlumberger Location Perryton, TX			Job Start 2003-Jan-11
Field		Formation Name/Type KCC		Deviation 0	Bit Size 13.5 in	Well MD 1,450 ft	Well TVD 1,450 ft		
County MORTON		State/Province KANSAS		BHP psi	BHST 90 °F	BHCT 86 °F	Pore Press. Gradient psi/ft		
Well Master: 0630470083		API / UWI:		Casing/Liner					
Rig Name	Drilled For Oil & Gas		Service Via CONFIDENTIAL	Depth, ft 1456.6	Size, in 9.63	Weight, lb/ft 36	Grade K55	Thread 8RD	
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type		Max. Density lb/gal	Plastic Vt: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Surface Casing		Perforations/Open Hole					
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi	Wellhead Connection 9 5/8 HSM	Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEM 9 5/8 IN SURFACE CASING W: LEAD: 560 SKS 35:65 POZ +6%D20+2%S1+0.25 PPS D29 TAIL: 150 CLASS C+2%S1				Treat Down Casing	Displacement 107.5 bbl	Packer Type None	Packer Depth 0 ft		
				Tubing Vol. bbl	Casing Vol. 112.6 bbl	Annular Vol. 126.2 bbl	OpenHole Vol 257 bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure: 1000 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide	Squeeze Type		
No. Centralizers: 5		Top Plugs: 1	Bottom Plugs:		Shoe Depth: 1456.58 ft	Tool Type:			
Cement Head Type: Single		Job Scheduled For: 1/11/2003 9:00		Arrived on Location: 2003-Jan-11 9:00	Leave Location: 2003-Jan-11	Stage Tool Type:	Tool Depth: ft		
						Stage Tool Depth: ft	Tail Pipe Size: in		
						Collar Type: Auto-Fill	Tail Pipe Depth: ft		
						Collar Depth: 1390.25 ft	Sqz Total Vol: bbl		
Date	Time	Treating Pressure 24 hr. clock psi	Density lb/gal	Pump Rate bbl/min	Pump Volume bbl	0	0	0	Message
2003-Jan-11	13:45	0	8.44	0.0	0.0	0	0	0	
2003-Jan-11	13:45								Pressure Test Lines
2003-Jan-11	13:46	-5	8.44	0.0	0.0	0	0	0	
2003-Jan-11	13:46	0	8.44	0.0	0.0	0	0	0	
2003-Jan-11	13:47	-5	8.44	0.0	0.0	0	0	0	
2003-Jan-11	13:47	0	8.44	0.0	0.0	0	0	0	
2003-Jan-11	13:48	-5	8.44	0.0	0.0	0	0	0	RECEIVED KANSAS CORPORATION COMMISSION
2003-Jan-11	13:48	70	8.38	0.0	0.0	0	0	0	
2003-Jan-11	13:49	2573	8.36	0.0	0.0	0	0	0	MAY 08 2003
2003-Jan-11	13:49	14	8.33	0.0	0.0	0	0	0	
2003-Jan-11	13:50	72	8.31	4.4	1.1	0	0	0	
2003-Jan-11	13:50	78	8.28	4.4	3.3	0	0	0	CONSERVATION DIVISION WICHITA, KS
2003-Jan-11	13:51	71	8.28	4.5	5.5	0	0	0	
2003-Jan-11	13:51	74	8.29	4.7	7.8	0	0	0	
2003-Jan-11	13:52	73	8.28	4.7	10.2	0	0	0	
2003-Jan-11	13:52	73	8.30	4.6	12.5	0	0	0	
2003-Jan-11	13:53								Start Mixing Lead Slurry
2003-Jan-11	13:53	74	9.13	4.7	0.2	0	0	0	
2003-Jan-11	13:53	83	9.81	4.7	0.8	0	0	0	
2003-Jan-11	13:53	107	11.38	4.7	3.1	0	0	0	
2003-Jan-11	13:54	119	11.76	4.8	5.5	0	0	0	
2003-Jan-11	13:54	114	11.15	4.8	7.9	0	0	0	Release JUL 15 2004

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Well		Field				Service Date	Customer			Job Number
WSMU #1106S						0311-Jan-11	OXY USA INC			2205541617
Date	Time	Treating Pressure	Density	PumpRate	Pump Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbt/min	bbt	0	0	0		
2003-Jan-11	13:55	109	11.02	4.8	10.3	0	0	0	<b>KCC</b> <b>MAY 07 2003</b> <b>CONFIDENTIAL</b>	
2003-Jan-11	13:55	105	11.61	4.8	12.8	0	0	0		
2003-Jan-11	13:56	92	12.21	4.8	15.2	0	0	0		
2003-Jan-11	13:56	117	12.21	4.8	17.6	0	0	0		
2003-Jan-11	13:57	96	11.98	4.8	20.0	0	0	0		
2003-Jan-11	13:57	71	11.90	4.9	22.4	0	0	0		
2003-Jan-11	13:58	95	12.35	4.8	24.8	0	0	0		
2003-Jan-11	13:58	96	12.45	4.8	27.2	0	0	0		
2003-Jan-11	13:59	94	12.38	4.8	29.6	0	0	0		
2003-Jan-11	13:59	113	12.18	4.8	32.0	0	0	0		
2003-Jan-11	14:00	81	11.93	4.8	34.4	0	0	0		
2003-Jan-11	14:00	79	11.66	4.8	36.8	0	0	0		
2003-Jan-11	14:01	76	11.50	4.8	39.2	0	0	0		
2003-Jan-11	14:01	85	11.77	4.8	41.6	0	0	0		
2003-Jan-11	14:02	94	11.78	4.8	44.0	0	0	0		
2003-Jan-11	14:02	89	11.50	4.8	46.4	0	0	0		
2003-Jan-11	14:03	89	11.61	4.8	48.8	0	0	0		
2003-Jan-11	14:03	86	11.80	4.8	51.2	0	0	0		
2003-Jan-11	14:04	90	11.98	4.8	53.6	0	0	0		
2003-Jan-11	14:04	93	12.14	4.8	56.0	0	0	0		
2003-Jan-11	14:05	101	12.08	4.8	58.4	0	0	0		
2003-Jan-11	14:05	105	11.98	4.8	60.8	0	0	0		
2003-Jan-11	14:06	105	11.95	4.9	63.2	0	0	0		
2003-Jan-11	14:06	79	11.86	4.9	65.7	0	0	0		
2003-Jan-11	14:07	55	12.25	5.0	68.2	0	0	0		
2003-Jan-11	14:07	62	12.11	5.0	70.7	0	0	0		
2003-Jan-11	14:08	96	12.20	5.5	73.3	0	0	0		
2003-Jan-11	14:08	87	12.26	5.4	76.0	0	0	0		
2003-Jan-11	14:09	105	12.26	5.4	78.7	0	0	0		
2003-Jan-11	14:09	145	12.22	5.4	81.4	0	0	0		
2003-Jan-11	14:10	145	12.09	5.4	84.1	0	0	0		
2003-Jan-11	14:10	128	12.08	5.4	86.7	0	0	0		
2003-Jan-11	14:11	134	12.10	5.3	89.4	0	0	0		
2003-Jan-11	14:11	60	11.73	4.0	91.7	0	0	0		
2003-Jan-11	14:12	53	12.13	4.0	93.7	0	0	0		
2003-Jan-11	14:12	69	12.08	5.3	95.7	0	0	0		
2003-Jan-11	14:13	129	12.03	5.3	98.3	0	0	0		
2003-Jan-11	14:13	87	11.91	5.4	101.0	0	0	0		
2003-Jan-11	14:14	120	11.87	5.3	103.7	0	0	0		
2003-Jan-11	14:14	59	11.99	5.3	106.3	0	0	0		
2003-Jan-11	14:15	87	12.08	5.3	109.0	0	0	0		
2003-Jan-11	14:15	86	12.11	5.3	111.7	0	0	0		
2003-Jan-11	14:16	73	12.13	5.3	114.3	0	0	0		
2003-Jan-11	14:16	82	12.08	5.3	117.0	0	0	0		
2003-Jan-11	14:17	69	12.04	5.3	119.6	0	0	0		
2003-Jan-11	14:17	91	12.02	5.3	122.3	0	0	0		
2003-Jan-11	14:18	114	12.01	5.3	124.9	0	0	0		
2003-Jan-11	14:18	133	11.98	5.3	127.6	0	0	0		
2003-Jan-11	14:19	67	11.94	5.3	130.3	0	0	0		
2003-Jan-11	14:19	74	11.97	5.3	133.0	0	0	0		
2003-Jan-11	14:20	78	12.01	5.3	135.7	0	0	0		
2003-Jan-11	14:20	146	12.05	5.3	138.3	0	0	0		
2003-Jan-11	14:21	58	12.07	5.3	141.0	0	0	0		
2003-Jan-11	14:21	58	12.08	4.1	143.4	0	0	0		

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Well		Field				Service Date		Customer		Job Number	
WSMU #1106S						0311-Jan-11		OXY USA INC		2205541617	
Date	Time	Treating Pressure	Density	PumpRate	Pump Volume	0	0	0	Message		
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0	KCC		
2003-Jan-11	14:22	60	11.95	4.2	145.4	0	0	0	MAY 0 7 2003		
2003-Jan-11	14:22	80	11.89	4.7	147.6	0	0	0	CONFIDENTIAL		
2003-Jan-11	14:23	77	11.86	4.7	149.9	0	0	0			
2003-Jan-11	14:23	91	12.43	4.6	152.2	0	0	0			
2003-Jan-11	14:24	66	12.85	4.7	154.5	0	0	0			
2003-Jan-11	14:24	124	12.98	5.5	157.3	0	0	0			
2003-Jan-11	14:25	106	12.36	5.6	160.1	0	0	0			
2003-Jan-11	14:25	105	12.15	5.6	162.9	0	0	0			
2003-Jan-11	14:26	95	11.82	4.9	165.5	0	0	0			
2003-Jan-11	14:26	78	11.95	4.9	168.0	0	0	0			
2003-Jan-11	14:27	95	12.36	4.8	170.5	0	0	0			
2003-Jan-11	14:27	78	12.24	4.8	172.8	0	0	0			
2003-Jan-11	14:28	84	11.63	4.8	175.2	0	0	0			
2003-Jan-11	14:28	75	11.46	5.0	177.7	0	0	0			
2003-Jan-11	14:29	72	11.56	5.1	180.2	0	0	0			
2003-Jan-11	14:29	59	11.57	5.2	182.8	0	0	0			
2003-Jan-11	14:30	58	12.05	5.1	185.3	0	0	0			
2003-Jan-11	14:30	55	12.13	5.6	187.9	0	0	0			
2003-Jan-11	14:31	96	11.98	5.5	190.7	0	0	0			
2003-Jan-11	14:31	113	12.03	5.5	193.5	0	0	0			
2003-Jan-11	14:32	131	11.77	5.5	196.3	0	0	0			
2003-Jan-11	14:32	105	11.75	5.0	198.9	0	0	0			
2003-Jan-11	14:33	67	11.53	5.0	201.4	0	0	0			
2003-Jan-11	14:33	71	11.62	5.0	203.9	0	0	0			
2003-Jan-11	14:34	70	11.89	4.9	206.4	0	0	0			
2003-Jan-11	14:34	59	12.30	4.9	208.8	0	0	0			
2003-Jan-11	14:35	65	12.23	4.9	211.3	0	0	0			
2003-Jan-11	14:35	86	12.12	4.9	213.8	0	0	0			
2003-Jan-11	14:36	77	12.13	4.9	216.2	0	0	0			
2003-Jan-11	14:36	79	12.14	4.9	218.7	0	0	0			
2003-Jan-11	14:37	79	12.05	4.9	221.1	0	0	0			
2003-Jan-11	14:37	78	11.95	4.9	223.6	0	0	0			
2003-Jan-11	14:38	78	11.67	4.9	226.0	0	0	0			
2003-Jan-11	14:38	75	11.65	4.9	228.5	0	0	0			
2003-Jan-11	14:39	71	11.85	5.0	231.0	0	0	0			
2003-Jan-11	14:39	81	12.09	5.0	233.5	0	0	0			
2003-Jan-11	14:40	92	12.20	5.0	236.0	0	0	0			
2003-Jan-11	14:40	91	12.30	5.1	238.5	0	0	0			
2003-Jan-11	14:41	78	12.32	5.0	241.0	0	0	0			
2003-Jan-11	14:41	75	12.21	5.0	243.6	0	0	0			
2003-Jan-11	14:42	68	12.15	5.0	246.1	0	0	0			
2003-Jan-11	14:42	67	11.99	5.0	248.6	0	0	0			
2003-Jan-11	14:43	87	12.01	5.0	251.1	0	0	0			
2003-Jan-11	14:43	79	12.48	5.0	253.6	0	0	0			
2003-Jan-11	14:43								Reset Total, Vol = 230 bbl		
2003-Jan-11	14:43	79	12.67	5.0	253.8	0	0	0			
2003-Jan-11	14:43	83	12.87	4.9	0.2	0	0	0			
2003-Jan-11	14:43								Start Mixing Tail Slurry		
2003-Jan-11	14:44	93	14.26	5.0	2.2	0	0	0			
2003-Jan-11	14:44	98	14.30	4.9	4.7	0	0	0			
2003-Jan-11	14:45	60	14.36	4.9	7.2	0	0	0			
2003-Jan-11	14:45	75	14.72	4.9	9.6	0	0	0			
2003-Jan-11	14:46	79	14.84	4.9	12.1	0	0	0			
2003-Jan-11	14:46	82	14.51	5.8	14.6	0	0	0			

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Well		Field		Service Date		Customer		Job Number	
WSMU #1106S				0311-Jan-11		OXY USA INC		2205541817	
Date	Time	Treating Pressure	Density	Pump Rate	Pump Volume	0	0	0	Message
	24 hr. clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2003-Jan-11	14:47	149	14.25	5.9	17.6	0	0	0	
2003-Jan-11	14:47	141	14.34	5.9	20.5	0	0	0	
2003-Jan-11	14:48	137	14.49	5.7	23.4	0	0	0	
2003-Jan-11	14:48	135	14.61	5.7	26.3	0	0	0	
2003-Jan-11	14:49	141	14.88	5.7	29.1	0	0	0	
2003-Jan-11	14:49	155	14.59	5.7	32.0	0	0	0	
2003-Jan-11	14:50	156	14.52	5.7	34.9	0	0	0	
2003-Jan-11	14:50	162	14.64	5.7	37.7	0	0	0	
2003-Jan-11	14:51	167	14.75	5.7	40.6	0	0	0	
2003-Jan-11	14:51	162	14.69	5.7	43.4	0	0	0	
2003-Jan-11	14:52	216	16.23	5.7	46.3	0	0	0	
2003-Jan-11	14:52	5	10.53	0.0	48.2	0	0	0	
2003-Jan-11	14:52	5	9.80	0.0	48.2	0	0	0	
2003-Jan-11	14:52								Reset Total, Vol = 38 bbl
2003-Jan-11	14:52								Drop Top Plug
2003-Jan-11	14:52	5	9.49	0.0	0.0	0	0	0	
2003-Jan-11	14:52								Start Displacement
2003-Jan-11	14:52	5	9.44	0.0	0.0	0	0	0	
2003-Jan-11	14:53	0	9.10	0.0	0.0	0	0	0	
2003-Jan-11	14:54	0	9.09	0.0	0.0	0	0	0	
2003-Jan-11	14:55	0	9.10	0.0	0.0	0	0	0	
2003-Jan-11	14:56	-5	9.11	0.0	0.0	0	0	0	
2003-Jan-11	14:56	64	9.21	0.0	0.0	0	0	0	
2003-Jan-11	14:57	37	9.00	3.0	0.4	0	0	0	
2003-Jan-11	14:57	35	8.70	3.0	1.9	0	0	0	
2003-Jan-11	14:58	50	8.67	3.0	3.5	0	0	0	
2003-Jan-11	14:58	34	8.37	3.0	5.0	0	0	0	
2003-Jan-11	14:59	33	8.36	3.1	6.5	0	0	0	
2003-Jan-11	14:59	32	8.31	3.0	8.0	0	0	0	
2003-Jan-11	15:00	23	8.35	3.0	9.6	0	0	0	
2003-Jan-11	15:00	27	8.25	3.0	11.1	0	0	0	
2003-Jan-11	15:01	37	8.27	5.4	13.1	0	0	0	
2003-Jan-11	15:01	37	8.52	5.3	15.8	0	0	0	
2003-Jan-11	15:02	44	8.32	5.3	18.4	0	0	0	
2003-Jan-11	15:02	37	8.36	4.6	20.9	0	0	0	
2003-Jan-11	15:03	41	8.36	4.6	23.1	0	0	0	
2003-Jan-11	15:03	55	8.36	4.6	25.4	0	0	0	
2003-Jan-11	15:04	52	8.36	4.5	27.7	0	0	0	
2003-Jan-11	15:04	48	8.36	4.6	30.0	0	0	0	
2003-Jan-11	15:05	48	8.36	4.6	32.4	0	0	0	
2003-Jan-11	15:05	53	8.36	4.5	34.7	0	0	0	
2003-Jan-11	15:06	58	8.36	4.6	36.9	0	0	0	
2003-Jan-11	15:06	72	8.36	4.6	39.2	0	0	0	
2003-Jan-11	15:07	76	8.36	4.6	41.5	0	0	0	
2003-Jan-11	15:07	85	8.36	4.6	43.8	0	0	0	
2003-Jan-11	15:08	90	8.36	4.6	46.1	0	0	0	
2003-Jan-11	15:08	99	8.36	4.6	48.4	0	0	0	
2003-Jan-11	15:09	110	8.36	4.6	50.7	0	0	0	
2003-Jan-11	15:09	118	8.36	4.6	53.1	0	0	0	
2003-Jan-11	15:10	123	8.36	4.6	55.4	0	0	0	
2003-Jan-11	15:10	129	8.36	4.6	57.7	0	0	0	
2003-Jan-11	15:11	139	8.36	4.6	60.0	0	0	0	
2003-Jan-11	15:11	143	8.36	4.6	62.3	0	0	0	
2003-Jan-11	15:12	151	8.36	4.6	64.6	0	0	0	

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Well		Field		Service Date		Customer		Job Number	
WSMU #1108S				0311-Jan-11		OXY USA INC		2206541617	
Date	Time	Treating Pressure	Density	PumpRate	Pump Volume				Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2003-Jan-11	15:12	165	8.36	4.7	66.9	0	0	0	KCC MAY 07 2003 CONFIDENTIAL
2003-Jan-11	15:13	181	8.36	4.6	69.2	0	0	0	
2003-Jan-11	15:13	192	8.36	4.6	71.6	0	0	0	
2003-Jan-11	15:14	203	8.36	4.7	73.9	0	0	0	
2003-Jan-11	15:14	219	8.36	4.7	76.2	0	0	0	
2003-Jan-11	15:15	227	8.36	4.7	78.5	0	0	0	
2003-Jan-11	15:15	234	8.36	4.7	80.8	0	0	0	
2003-Jan-11	15:16	249	8.36	4.6	83.2	0	0	0	
2003-Jan-11	15:16	264	8.36	4.6	85.5	0	0	0	
2003-Jan-11	15:17	273	8.36	4.6	87.9	0	0	0	
2003-Jan-11	15:17	292	8.36	4.6	90.2	0	0	0	
2003-Jan-11	15:18	297	8.36	4.6	92.5	0	0	0	
2003-Jan-11	15:18	273	8.36	2.6	94.1	0	0	0	
2003-Jan-11	15:19	275	8.36	2.4	95.4	0	0	0	
2003-Jan-11	15:19	297	8.36	2.4	96.6	0	0	0	
2003-Jan-11	15:20	306	8.36	2.4	97.8	0	0	0	
2003-Jan-11	15:20	306	8.36	2.4	99.0	0	0	0	
2003-Jan-11	15:21	308	8.36	2.4	100.2	0	0	0	
2003-Jan-11	15:21	317	8.36	2.3	101.3	0	0	0	
2003-Jan-11	15:22	331	8.36	2.3	102.5	0	0	0	
2003-Jan-11	15:22	337	8.36	2.4	103.7	0	0	0	
2003-Jan-11	15:23	286	8.91	0.0	104.2	0	0	0	
2003-Jan-11	15:23	288	9.50	0.0	104.2	0	0	0	
2003-Jan-11	15:24	288	1.26	0.0	104.2	0	0	0	
2003-Jan-11	15:24	288	8.41	0.0	104.2	0	0	0	
2003-Jan-11	15:25	310	8.34	0.4	104.3	0	0	0	
2003-Jan-11	15:25	851	8.34	0.0	105.0	0	0	0	
2003-Jan-11	15:26	889	8.46	0.0	105.0	0	0	0	
2003-Jan-11	15:26	60	1.01	0.0	105.0	0	0	0	
2003-Jan-11	15:27								
2003-Jan-11	15:27	-5	1.01	0.0	105.0	0	0	0	
2003-Jan-11	15:27	0	1.01	0.0	0.0	0	0	0	
2003-Jan-11	15:27								
2003-Jan-11	15:27	-5	1.01	0.0	0.0	0	0	0	
2003-Jan-11	15:27								

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WICHITA, KS

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3			5.5	253		10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
1000	390	100	390			8.34 lb/gal	
Avg. N2 Percent		Designed Slurry Volume	Displacement	Mix Water Temp	FreshWater		
%		253 bbl	108 bbl	°F	bbl		
Customer or Authorized Representative				Schlumberger Supervisor			
Wylie, Cal				Ousley, John			
				<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

Release  
JUL 06 2004  
From  
Confidential



5-7-04  
15-129-21690-00-00

OXY USA Inc.  
1701 N. Kansas, Liberal, KS 67901  
P.O. Box 2528, Liberal, KS 67905-2528

**CONFIDENTIAL**

May 7, 2003

Kansas State Corporation Commission  
Conservation Division, Finney State Office Building  
130 S. Market, Room 2078  
Wichita, KS 67202 - 3802

Re: WMSU 1106S  
33-34S-41W  
Morton County, Kansas

Release  
JUL 16 2004  
From  
Confidential

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 08 2003

CONSERVATION DIVISION  
WICHITA, KS

KCC

MAY 07 2003

**CONFIDENTIAL**

Dear Sir,

Please file ~~confidential~~. The following items are being submitted for the above referenced well which has been recently drilled as a water supply well.

1. KANSAS STATE FORM ACO-1 + two copies
2. CEMENT TICKETS
3. A SET OF ELEC. LOGS
4. GEOLOGICAL REPORT
5. DRILL STEM TEST

Confidentiality with respect to rotary drill cuttings, which have been submitted to the Wichita Well Sample Library for the above referenced well, is hereby requested.

Please advise if additional information is required.

Sincerely,

Vicki Carder  
Capital Projects

Attachments:

CC: Well File  
Oxy Houston  
Oxy Elkhart  
KGS Well Sample Library