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KCC WICHITA

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY – DESCRIPTION OF WELL & LEASE

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: ONEOK
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Tom Heflin
Designate Type of Completion:
X New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X 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. ____

04/16/04	04/28/04	05/10/04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-21929-0000
County: Seward
Ap 48' w of E/2 - SW - NW Sec 16 Twp. 32 S. R 34W
1979 feet from S /(N) *(circle one)* Line of Section
942 feet from E /(W) *(circle one)* Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Kapp A Well #: 7
Field Name: Holt NW
Producing Formation: Chester
Elevation: Ground: 2934 Kelly Bushing: 2945
Total Depth: 6370 Plug Back Total Depth: 6318
Amount of Surface Pipe Set and Cemented at 1754 feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 3204
If Alternate II completion, cement circulated from ____
feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT I Wtm 11-29-06
(Data must be collected from the Reserve Pit)
Chloride content 2200 mg/l ppm Fluid volume 1750 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 an 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 CEMENTINGTICKETS 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 July 26, 2004
Subscribed and sworn to before me this 26th day of July
20 04
Notary Public: Kathleen R. Poulton
Date Commission Expires: November 8, 2006

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appt. Exp. 11-8-06

KCC Office Use Only

____ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: ____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

Side Two

Operator Name: OXY USA Inc. Lease Name: Kapp A Well #: 7

Sec. 16 Twp. 32 S. R. 34W ☐ East ☐ West County: Seward

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

Drill Stem Tests Taken *(Attach Additional Sheets)*	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run *(Submit Copy)*	☒ Yes	☐ No

List All E. Logs Run: Neutron, Induction, Sonic, Geological Report

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Chase	2645	300
Council Grove	2958	-13
Heebner	4194	-1249
Toronto	4225	-1280
Lansing	4335	-1390
Marmaton	4998	-2053
Cherokee	5190	-2245

(See Side Three)

CASING RECORD ☒ New ☐ 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	1754	C C	550 150	Panhandle Lite + Add Class C + Add
Production	7 7/8	4 1/2	10.5	6368	H	285	50/50 Poz + Add

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
X Protect Casing	2500-3204	H	365	50/50 Poz + Add
____ Plug Back TD				
____ 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	6125-6145	Acidize - 7000 gls 7.5 HCL	
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TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	6074		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
05/17/04	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	1	528	0		

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease *(If vented, Submit ACO-18)*

METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ____ ☐ Other *(Specify)* ____

Production Interval: ____

Side Three

Operator Name: OXY USA Inc. Lease Name: Kapp A Well #: 7

Sec 16 Twp. 32 S. R. 34W ☐ East ☐ West County: Seward

Name	Top	Datum
Atoka	5352	-2407
Morrow	5589	-2644
Chester	5814	-2869
Chester Sand	6124	-3179
St. Genevieve	6284	-3339

CONFIDENTIAL

Schlumberger — Cementing Service Report

KCC JUL 26 2004 CONFIDENTIAL

Customer	Job Number
OXY USA, INC.	2205545733

Well	Location (legal)	Schlumberger Location	Job Start
Kapp A-7		Perryton, TX	2004-Apr-17

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
		°	12.3 in	1,800 ft	1,800 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Seward	Kansas	psi	°F	°F	psi/ft

Well Master: 0630585819 | API / UWI:

Rig Name	Drilled For	Service Via
	Oil & Gas	

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Vi
	lb/gal	cp

Service Line	Job Type
Cementing	Cem Surface Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
1000 psi	psi	8 5/8 HS&M

Service Instructions

CEMENT 8 5/8 CASING WITH:
550 SKS PANHANDLE LITE + 0.2% D46 + 0.5 PPS D29
150 SKS CLASS C + 2% S1 + 0.25 PPS D29

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1800	8.63	24		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
				ft
				Diameter
				in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
bbl	bbl	bbl	bbl

Casing/Tubing Secured ☑ | 1 Hole Volume Circulated prior to Cementing ☑

Lift Pressure: 376 psi

Pipe Rotated ☐ | Pipe Reciprocated ☐

No. Centralizers: | Top Plugs: 1 | Bottom Plugs:

Cement Head Type: Single

Job Scheduled For: | Arrived on Location: 2004-Apr-17 17:00 | Leave Location: 2004-Apr-17 20:00

Casing Tools

Shoe Type:	Auto-Fill
Shoe Depth:	1754 ft
Stage Tool Type:	
Stage Tool Depth:	ft
Collar Type:	Auto-Fill
Collar Depth:	1710 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	ft
Tail Pipe Size:	in
Tail Pipe Depth:	ft
Sqz Total Vol:	bbl

Date	Time (24 hr clock)	Treating Pressure (psi)	Flow Rate (bbl/min)	CMT DENS (lb/gal)	Volume (bbl)	CMT DISP VOL (bbl)	0	0	Message
2004-Apr-17	17:30	32	5.2	8.41	0.1	0.0	0	0	
2004-Apr-17	17:31	60	5.3	8.45	5.4	0.0	0	0	
2004-Apr-17	17:31								Start Mixing Lead Slurry
2004-Apr-17	17:31	60	5.3	9.03	6.7	0.0	0	0	
2004-Apr-17	17:32	96	5.3	10.92	10.7	0.0	0	0	
2004-Apr-17	17:33	105	5.4	11.47	16.0	0.0	0	0	
2004-Apr-17	17:34	96	5.3	12.15	21.4	0.0	0	0	
2004-Apr-17	17:35	124	5.8	12.39	27.1	0.0	0	0	
2004-Apr-17	17:36	114	5.7	12.25	32.9	0.0	0	0	
2004-Apr-17	17:37	105	5.8	11.94	38.6	0.0	0	0	
2004-Apr-17	17:38	110	5.8	12.05	44.5	0.0	0	0	
2004-Apr-17	17:39	119	5.9	12.22	50.3	0.0	0	0	
2004-Apr-17	17:40	114	5.9	12.15	56.1	0.0	0	0	
2004-Apr-17	17:41	110	5.8	12.01	61.9	0.0	0	0	
2004-Apr-17	17:42	114	5.9	12.15	67.8	0.0	0	0	
2004-Apr-17	17:43	114	5.8	12.26	73.6	0.0	0	0	
2004-Apr-17	17:44	105	5.8	11.95	79.4	0.0	0	0	
2004-Apr-17	17:45	105	5.9	12.02	85.3	0.0	0	0	
2004-Apr-17	17:46	110	5.9	12.21	91.2	0.0	0	0	
2004-Apr-17	17:47	110	5.7	12.21	97.1	0.0	0	0	
2004-Apr-17	17:48	114	5.8	12.21	102.9	0.0	0	0	
2004-Apr-17	17:48								Remark

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Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04108-Apr-17	OXY USA, INC.	2205545733

Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	CMT DISP VOL	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl	0	0	
2004-Apr-17	17:48	110	5.9	12.41	106.8	0.0	0	0	
2004-Apr-17	17:49	110	5.9	12.30	108.8	0.0	0	0	
2004-Apr-17	17:50	110	6.0	12.26	114.7	0.0	0	0	
2004-Apr-17	17:51	114	5.9	12.27	120.7	0.0	0	0	
2004-Apr-17	17:52	114	5.9	12.27	126.6	0.0	0	0	
2004-Apr-17	17:53	119	5.9	12.25	132.5	0.0	0	0	
2004-Apr-17	17:54	119	5.9	12.27	138.4	0.0	0	0	
2004-Apr-17	17:55	114	5.9	12.10	144.3	0.0	0	0	
2004-Apr-17	17:56	110	5.9	12.08	150.2	0.0	0	0	
2004-Apr-17	17:57	110	5.8	12.11	156.0	0.0	0	0	
2004-Apr-17	17:58	110	5.9	12.05	161.9	0.0	0	0	
2004-Apr-17	17:59	96	5.9	11.56	167.8	0.0	0	0	
2004-Apr-17	18:00	101	5.8	12.19	173.7	0.0	0	0	
2004-Apr-17	18:01	110	5.9	12.22	179.5	0.0	0	0	
2004-Apr-17	18:02	114	5.9	12.09	185.5	0.0	0	0	
2004-Apr-17	18:03	110	6.0	12.08	191.4	0.0	0	0	
2004-Apr-17	18:04	110	5.9	12.33	197.3	0.0	0	0	
2004-Apr-17	18:05	119	5.8	12.38	203.2	0.0	0	0	
2004-Apr-17	18:06	114	5.8	12.33	209.0	0.0	0	0	
2004-Apr-17	18:07	110	5.9	12.66	214.4	0.0	0	0	
2004-Apr-17	18:07								Remark
2004-Apr-17	18:07	105	5.9	12.26	214.9	0.0	0	0	
2004-Apr-17	18:08	96	5.9	11.09	220.7	0.0	0	0	
2004-Apr-17	18:09	119	5.9	11.85	226.6	0.0	0	0	
2004-Apr-17	18:10	128	5.9	12.40	232.5	0.0	0	0	
2004-Apr-17	18:11	124	5.9	12.13	238.5	0.0	0	0	
2004-Apr-17	18:12	119	5.9	12.11	244.3	0.0	0	0	
2004-Apr-17	18:13	119	5.8	12.04	250.1	0.0	0	0	
2004-Apr-17	18:14	124	5.9	11.92	256.0	0.0	0	0	
2004-Apr-17	18:15	124	5.9	11.76	261.9	0.0	0	0	
2004-Apr-17	18:16	119	5.9	11.60	267.7	0.0	0	0	
2004-Apr-17	18:17	128	5.9	12.18	273.6	0.0	0	0	
2004-Apr-17	18:18	128	5.8	12.14	279.5	0.0	0	0	
2004-Apr-17	18:19	124	5.9	12.09	285.3	0.0	0	0	
2004-Apr-17	18:20	119	5.8	11.96	291.1	0.0	0	0	
2004-Apr-17	18:21	128	5.9	11.96	297.0	0.0	0	0	
2004-Apr-17	18:22	133	6.0	11.91	303.0	0.0	0	0	
2004-Apr-17	18:23	137	5.9	11.90	308.9	0.0	0	0	
2004-Apr-17	18:24	137	5.9	11.92	314.8	0.0	0	0	
2004-Apr-17	18:25								Start Mixing Tail Slurry
2004-Apr-17	18:25	133	5.9	12.30	320.0	0.0	0	0	
2004-Apr-17	18:25								End Lead Slurry
2004-Apr-17	18:25	128	5.9	12.21	320.7	0.0	0	0	
2004-Apr-17	18:26	78	2.2	12.50	326.5	0.0	0	0	
2004-Apr-17	18:27	60	0.6	12.84	327.2	0.0	0	0	
2004-Apr-17	18:28	60	1.8	14.07	330.1	0.0	0	0	
2004-Apr-17	18:29	124	4.9	15.04	333.2	0.0	0	0	
2004-Apr-17	18:30	124	4.9	15.09	338.1	0.0	0	0	
2004-Apr-17	18:31	114	4.9	14.72	343.0	0.0	0	0	
2004-Apr-17	18:32	119	4.8	14.85	347.9	0.0	0	0	
2004-Apr-17	18:33	124	4.9	14.92	352.7	0.0	0	0	
2004-Apr-17	18:34	119	4.8	14.72	357.7	0.0	0	0	
2004-Apr-17	18:34	50	0.0	14.70	358.6	0.0	0	0	
2004-Apr-17	18:34								End Tail Slurry

Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04108-Apr-17	OXY USA, INC.	2205545733

Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	CMT DISP VOL	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl	0	0	
2004-Apr-17	18:34	-5	0.0	14.75	358.6	0.0	0	0	
2004-Apr-17	18:34								Start Displacement
2004-Apr-17	18:34								Drop Top Plug
2004-Apr-17	18:35	-5	0.0	9.32	358.6	0.0	0	0	
2004-Apr-17	18:36	60	0.0	9.30	358.6	0.0	0	0	
2004-Apr-17	18:37	41	3.0	8.87	361.1	2.8	0	0	
2004-Apr-17	18:38	41	3.0	8.65	364.1	5.8	0	0	
2004-Apr-17	18:39	27	3.8	8.51	368.0	9.7	0	0	
2004-Apr-17	18:40	37	3.8	8.41	371.8	13.5	0	0	
2004-Apr-17	18:41	50	3.8	8.43	375.6	17.3	0	0	
2004-Apr-17	18:42	50	3.8	8.43	379.5	21.2	0	0	
2004-Apr-17	18:43	55	4.3	8.41	383.8	25.5	0	0	
2004-Apr-17	18:44	32	4.3	8.42	388.1	29.8	0	0	
2004-Apr-17	18:45	55	4.8	8.42	393.8	35.5	0	0	
2004-Apr-17	18:46	69	5.1	8.42	398.8	40.5	0	0	
2004-Apr-17	18:47	82	5.1	8.42	404.0	45.6	0	0	
2004-Apr-17	18:48	96	5.2	8.42	409.1	50.8	0	0	
2004-Apr-17	18:49	110	5.2	8.42	414.3	56.0	0	0	
2004-Apr-17	18:50	128	5.2	8.42	419.4	61.1	0	0	
2004-Apr-17	18:51	146	5.1	8.42	424.6	66.3	0	0	
2004-Apr-17	18:52	165	5.1	8.42	429.7	71.4	0	0	
2004-Apr-17	18:53	201	5.1	8.42	434.8	76.5	0	0	
2004-Apr-17	18:54	243	5.1	8.42	440.0	81.7	0	0	
2004-Apr-17	18:55	279	5.1	8.42	445.1	86.8	0	0	
2004-Apr-17	18:56	275	3.0	8.42	449.8	91.5	0	0	
2004-Apr-17	18:57	316	3.0	8.42	452.9	94.6	0	0	
2004-Apr-17	18:58	334	3.0	8.42	455.9	97.6	0	0	
2004-Apr-17	18:59	357	3.0	8.42	458.9	100.6	0	0	
2004-Apr-17	19:00	1213	0.0	8.42	461.6	103.4	0	0	
2004-Apr-17	19:01	1332	0.0	8.42	461.6	103.4	0	0	
2004-Apr-17	19:02	9	0.0	8.42	461.6	103.4	0	0	
2004-Apr-17	19:03	9	0.0	8.42	461.6	103.4	0	0	
2004-Apr-17	19:04	9	0.0	8.42	461.6	103.4	0	0	
2004-Apr-17	19:05	-3836	0.0	-6.25	461.6	103.4	0	0	
2004-Apr-17	19:06	-3836	0.0	-6.25	461.6	103.4	0	0	
2004-Apr-17	19:07	-3836	0.0	-6.25	461.6	103.4	0	0	
2004-Apr-17	19:08	-3836	0.0	-6.25	461.6	103.4	0	0	
2004-Apr-17	19:09	-3836	0.0	-6.25	461.6	103.4	0	0	

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
5			7

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
351		8	

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
			1330	

Breakdown Fluid

Volume	Density
bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp
%	292 bbl	109.5 bbl	70 °F

☑ Cement Circulated to Surface? Volume 120 bbl
☐ Washed Thru Perfs To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Fillpot, Greg	Iglehart, Charles	☐ CirculationLost	☑ Job Completed

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Date	04/29/04
Company	OXY
Job Number	2205545734
Well Name	Kapp
Well Number	A-7
County	Seward
State	KS

Schlumberger

Pipe Size	4 1/2	
Pipe Weight	10.5	10.5
Pipe Depth	6372	
Shoe Length	40	
Insert Depth	6332	
Hole Size	7 7/8	
Hole Depth	6370	

	Pipe Volume	101
360	Annular Volume	259
	Total Cement	79
	Total Water	149

Pipe Factor	0.0159	0.0159
Annular Factor	0.0406	
Height Factor	4.3898	

Casing lift	4207
Cement lift	877

1st System		
285 sacks	H	
1.55 yield		
13.8 weight		
7.1 water	48.2	
cubic ft.	442	
height	1939	
bbls	78.7	

2nd System	
sacks	
yield	
weight	
water	0
cubic ft.	0
height	0
bbls	0

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

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

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Test 3000

0 Mud

20 Chemical Wash

79 Lead 13.8

0 Tail 0

100.7 Displacement

2000 Maximum Pressure

Pump Time @ 5 BPM 36 MIN

Schlumberger

Cementing Service Report

Customer	Job Number
OXY USA, INC.	2205545734

Well	Location (legal)	Schlumberger Location	Job Start
Kapp A-7		Perryton, TX	2004-Apr-29

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
		°	7.88 in	6,380 ft	6,380 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Seward	Kansas	psi	145 °F	°F	psi/ft

Well Master: 0630585819	API / UWI:

Rig Name	Drilled For	Service Via
	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Vi:
	lb/gal	cp

Service Line	Job Type
Cementing	Cem Prod Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
2000 psi	psi	4 1/2 HS&M

Service Instructions

CEMENT 4 1/2 PRODUCTION CASING WITH:
285 SKS 50/50 POZ CLASS H + 2%D20 + 3%M117 + 5 PPS D42 + 5 PPS D53 + 0.25% D112 + 0.25% D65 + 0.25% D46
DISPLACE WITH FRESH WATER
25 SKS 50/50 POZ/H FOR RAT/MOUSE

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
6368	4.5	10.5		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
				ft
				Diameter
				in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	100.7 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
bbl	101 bbl	259 bbl	360 bbl

Casing/Tubing Secured ☑	1 Hole Volume Circulated prior to Cementing ☑

Lift Pressure: 700 psi	
Pipe Rotated ☐	Pipe Reciprocated ☐

No. Centralizers:	Top Plugs: 1	Bottom Plugs: 1

Cement Head Type: Single	

Job Scheduled For:	Arrived on Location: 2004-Apr-29 9:00	Leave Location: 2004-Apr-29 13:00

Casing Tools

Shoe Type:	
Shoe Depth:	6368 ft
Stage Tool Type	
Stage Tool Depth:	ft
Collar Type:	
Collar Depth:	6328 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	ft
Tail Pipe Size:	in
Tail Pipe Depth:	ft
Sqz Total Vol:	bbl

Date	Time (24 hr clock)	Treating Pressure (psi)	Flow Rate (bbl/min)	Density (lb/gal)	Volume (bbl)	0	0	0	Message
2004-Apr-29	11:00	-5	0.1	8.28	0.0	0	0	0	
2004-Apr-29	11:00	-5	0.1	8.28	0.0	0	0	0	
2004-Apr-29	11:00								Start Job
2004-Apr-29	11:00	-5	0.1	8.28	0.0	0	0	0	
2004-Apr-29	11:01	-5	0.1	8.28	0.1	0	0	0	
2004-Apr-29	11:01	5	0.4	8.46	0.2	0	0	0	
2004-Apr-29	11:02	522	0.7	8.40	0.3	0	0	0	
2004-Apr-29	11:02	3424	0.0	8.48	0.4	0	0	0	
2004-Apr-29	11:02								Pressure Test Lines
2004-Apr-29	11:02	3305	0.0	8.49	0.4	0	0	0	
2004-Apr-29	11:03	3241	0.0	8.48	0.4	0	0	0	
2004-Apr-29	11:03	3223	0.0	9.43	0.4	0	0	0	
2004-Apr-29	11:04	3209	0.0	11.29	0.4	0	0	0	
2004-Apr-29	11:04	3200	0.0	12.44	0.4	0	0	0	
2004-Apr-29	11:05	3191	0.0	13.14	0.4	0	0	0	
2004-Apr-29	11:05	3181	0.0	13.12	0.4	0	0	0	
2004-Apr-29	11:06	5	0.2	13.11	0.4	0	0	0	
2004-Apr-29	11:06	37	0.0	13.07	0.4	0	0	0	
2004-Apr-29	11:07	87	0.0	13.12	0.4	0	0	0	
2004-Apr-29	11:07	18	0.0	13.14	0.4	0	0	0	
2004-Apr-29	11:08	14	0.2	12.97	0.5	0	0	0	
2004-Apr-29	11:08	0	0.1	1.37	0.6	0	0	0	

Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04120-Apr-29	OXY USA, INC.	2205545734

Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Apr-29	11:09	0	0.2	0.07	0.6	0	0	0	
2004-Apr-29	11:09	-5	0.0	0.07	0.7	0	0	0	
2004-Apr-29	11:10	-5	0.1	0.05	0.7	0	0	0	
2004-Apr-29	11:10	-5	0.1	0.04	0.7	0	0	0	
2004-Apr-29	11:11	5	0.4	10.04	0.9	0	0	0	
2004-Apr-29	11:11	0	0.4	11.92	1.1	0	0	0	
2004-Apr-29	11:12	0	0.4	13.21	1.3	0	0	0	
2004-Apr-29	11:12	0	0.3	13.86	1.5	0	0	0	
2004-Apr-29	11:13	73	0.1	13.84	1.6	0	0	0	
2004-Apr-29	11:13	101	0.0	13.88	1.6	0	0	0	
2004-Apr-29	11:14	0	0.0	13.85	1.6	0	0	0	
2004-Apr-29	11:14	5	0.0	13.34	1.6	0	0	0	
2004-Apr-29	11:15	0	0.0	13.12	1.6	0	0	0	
2004-Apr-29	11:15	0	0.0	12.95	1.6	0	0	0	
2004-Apr-29	11:16	0	0.0	12.95	1.6	0	0	0	
2004-Apr-29	11:16	0	0.0	13.79	1.6	0	0	0	
2004-Apr-29	11:17	-5	3.0	13.88	2.7	0	0	0	
2004-Apr-29	11:17	27	2.8	12.72	4.2	0	0	0	
2004-Apr-29	11:18	9	2.8	8.38	5.6	0	0	0	
2004-Apr-29	11:18	151	3.9	9.34	7.5	0	0	0	
2004-Apr-29	11:19	192	4.5	8.49	9.4	0	0	0	
2004-Apr-29	11:19	23	1.5	8.49	11.5	0	0	0	
2004-Apr-29	11:20	5	0.2	8.49	11.6	0	0	0	
2004-Apr-29	11:20	0	0.2	8.49	11.7	0	0	0	
2004-Apr-29	11:21	0	0.4	8.48	11.8	0	0	0	
2004-Apr-29	11:21								Reset Total, Vol = 11.85 bbl
2004-Apr-29	11:21	5	0.4	8.48	11.8	0	0	0	
2004-Apr-29	11:21	0	0.3	8.48	0.2	0	0	0	
2004-Apr-29	11:22	0	0.0	8.49	0.3	0	0	0	
2004-Apr-29	11:22	577	5.0	8.48	1.3	0	0	0	
2004-Apr-29	11:22	417	5.3	8.48	2.4	0	0	0	
2004-Apr-29	11:22								Start Pumping Wash
2004-Apr-29	11:23	366	5.6	8.49	4.1	0	0	0	
2004-Apr-29	11:23	375	5.7	8.49	6.9	0	0	0	
2004-Apr-29	11:24	385	5.7	8.49	9.8	0	0	0	
2004-Apr-29	11:24	366	5.8	8.49	12.6	0	0	0	
2004-Apr-29	11:25	394	5.7	8.48	15.5	0	0	0	
2004-Apr-29	11:25	417	5.7	8.48	18.3	0	0	0	
2004-Apr-29	11:26	0	0.0	8.13	20.8	0	0	0	
2004-Apr-29	11:26	389	5.5	8.90	22.5	0	0	0	
2004-Apr-29	11:27								End Wash
2004-Apr-29	11:27	371	5.7	10.05	24.3	0	0	0	
2004-Apr-29	11:27								Reset Total, Vol = 24.44 bbl
2004-Apr-29	11:27	366	5.6	10.39	24.4	0	0	0	
2004-Apr-29	11:27	403	5.7	11.02	0.3	0	0	0	
2004-Apr-29	11:27								Start Cement Slurry
2004-Apr-29	11:27	426	5.5	11.33	0.5	0	0	0	
2004-Apr-29	11:27	462	5.5	13.83	3.2	0	0	0	
2004-Apr-29	11:28	407	5.4	13.80	5.9	0	0	0	
2004-Apr-29	11:28	394	5.5	13.75	8.7	0	0	0	
2004-Apr-29	11:29	325	5.5	13.91	11.4	0	0	0	
2004-Apr-29	11:29	325	5.5	13.98	14.2	0	0	0	
2004-Apr-29	11:30	284	5.5	13.96	16.9	0	0	0	
2004-Apr-29	11:30	229	5.3	13.84	19.6	0	0	0	

Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04120-Apr-29	OXY USA, INC.	2205545734

Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Apr-29	11:31	197	5.4	13.84	22.3	0	0	0	
2004-Apr-29	11:31	215	5.3	13.96	25.0	0	0	0	
2004-Apr-29	11:32	211	5.3	13.89	27.6	0	0	0	
2004-Apr-29	11:32	211	5.3	14.04	30.4	0	0	0	
2004-Apr-29	11:33	192	5.4	13.56	33.1	0	0	0	
2004-Apr-29	11:33	174	5.3	13.58	35.7	0	0	0	
2004-Apr-29	11:34	252	5.3	14.41	38.4	0	0	0	
2004-Apr-29	11:34	252	5.3	14.65	41.0	0	0	0	
2004-Apr-29	11:35	279	5.3	14.81	43.7	0	0	0	
2004-Apr-29	11:35	261	5.3	14.77	46.3	0	0	0	
2004-Apr-29	11:36	229	5.3	13.82	48.9	0	0	0	
2004-Apr-29	11:36	206	5.2	13.66	51.5	0	0	0	
2004-Apr-29	11:37	206	5.2	13.72	54.2	0	0	0	
2004-Apr-29	11:37	243	5.3	14.33	56.8	0	0	0	
2004-Apr-29	11:38	224	5.2	13.94	59.4	0	0	0	
2004-Apr-29	11:38	188	5.1	13.67	62.0	0	0	0	
2004-Apr-29	11:39	215	5.1	13.78	64.6	0	0	0	
2004-Apr-29	11:39	201	5.1	13.73	67.1	0	0	0	
2004-Apr-29	11:40	192	5.2	13.45	69.7	0	0	0	
2004-Apr-29	11:40	211	5.0	13.94	72.2	0	0	0	
2004-Apr-29	11:41	206	5.2	13.96	74.7	0	0	0	
2004-Apr-29	11:41								End Cement Slurry
2004-Apr-29	11:41	-9	0.0	15.07	76.8	0	0	0	
2004-Apr-29	11:41	-14	0.0	15.07	76.8	0	0	0	
2004-Apr-29	11:41	-14	0.0	15.07	76.8	0	0	0	
2004-Apr-29	11:41								Reset Total, Vol = 76.75 bbl
2004-Apr-29	11:42	0	0.0	8.73	0.0	0	0	0	
2004-Apr-29	11:42	-9	0.0	7.68	0.0	0	0	0	
2004-Apr-29	11:43	-14	0.0	7.90	0.0	0	0	0	
2004-Apr-29	11:43	-14	0.0	0.75	0.0	0	0	0	
2004-Apr-29	11:44	-9	0.0	10.18	0.0	0	0	0	
2004-Apr-29	11:44	293	5.9	9.25	1.8	0	0	0	
2004-Apr-29	11:45	160	5.0	8.73	4.5	0	0	0	
2004-Apr-29	11:45	165	5.0	8.55	7.0	0	0	0	
2004-Apr-29	11:46	137	4.9	8.54	9.4	0	0	0	
2004-Apr-29	11:46	179	5.6	8.48	12.0	0	0	0	
2004-Apr-29	11:47	-9	0.2	8.48	13.0	0	0	0	
2004-Apr-29	11:47	-9	0.1	8.45	13.1	0	0	0	
2004-Apr-29	11:48	-9	0.0	8.43	13.1	0	0	0	
2004-Apr-29	11:48	50	4.6	8.48	14.7	0	0	0	
2004-Apr-29	11:49	78	5.3	8.48	17.3	0	0	0	
2004-Apr-29	11:49	73	5.3	8.48	19.9	0	0	0	
2004-Apr-29	11:50	69	5.4	8.47	22.6	0	0	0	
2004-Apr-29	11:50	69	5.4	8.48	25.3	0	0	0	
2004-Apr-29	11:51	69	5.4	8.48	27.7	0	0	0	
2004-Apr-29	11:51								Drop Top Plug
2004-Apr-29	11:51	69	5.4	8.48	27.7	0	0	0	
2004-Apr-29	11:51								Start Displacement
2004-Apr-29	11:51	64	5.4	8.48	28.0	0	0	0	
2004-Apr-29	11:51	78	5.5	8.48	17.0	0	0	0	
2004-Apr-29	11:52	92	6.7	8.48	20.3	0	0	0	
2004-Apr-29	11:52	92	6.6	8.48	23.6	0	0	0	
2004-Apr-29	11:53	105	6.7	8.48	26.9	0	0	0	
2004-Apr-29	11:53	82	6.7	8.48	30.3	0	0	0	

Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04120-Apr-29	OXY USA, INC.	2205545734

Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2004-Apr-29	11:54	95	6.7	8.48	33.6	0	0	0	
2004-Apr-29	11:54	95	6.6	8.48	36.9	0	0	0	
2004-Apr-29	11:55	97	6.7	8.48	40.3	0	0	0	
2004-Apr-29	11:55	94	6.6	8.48	43.7	0	0	0	
2004-Apr-29	11:56	95	6.7	8.48	47.0	0	0	0	
2004-Apr-29	11:56	97	6.6	8.48	50.4	0	0	0	
2004-Apr-29	11:57	92	6.6	8.48	53.7	0	0	0	
2004-Apr-29	11:57	99	6.6	8.48	57.0	0	0	0	
2004-Apr-29	11:58	94	6.6	8.48	60.3	0	0	0	
2004-Apr-29	11:58	94	6.6	8.48	63.6	0	0	0	
2004-Apr-29	11:59	244	5.0	8.48	66.8	0	0	0	
2004-Apr-29	11:59	219	5.2	8.48	69.5	0	0	0	
2004-Apr-29	12:00	269	5.2	8.48	72.1	0	0	0	
2004-Apr-29	12:00	320	5.2	8.48	74.7	0	0	0	
2004-Apr-29	12:01	386	5.2	8.48	77.3	0	0	0	
2004-Apr-29	12:01	439	5.2	8.48	79.9	0	0	0	
2004-Apr-29	12:02	481	5.2	8.48	82.5	0	0	0	
2004-Apr-29	12:02	534	5.1	8.48	85.1	0	0	0	
2004-Apr-29	12:03	584	5.1	8.48	87.6	0	0	0	
2004-Apr-29	12:03	649	5.1	8.48	90.1	0	0	0	
2004-Apr-29	12:04	600	2.8	8.48	92.5	0	0	0	
2004-Apr-29	12:04	617	2.7	8.48	93.9	0	0	0	
2004-Apr-29	12:05	654	2.7	8.48	95.3	0	0	0	
2004-Apr-29	12:05	674	2.7	8.48	96.6	0	0	0	
2004-Apr-29	12:06	712	2.7	8.48	98.0	0	0	0	
2004-Apr-29	12:06	726	2.8	8.48	99.3	0	0	0	
2004-Apr-29	12:07	764	2.7	8.48	100.7	0	0	0	
2004-Apr-29	12:07	1189	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:07	1184	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:07								Bump Top Plug
2004-Apr-29	12:07	1184	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:07								End Displacement
2004-Apr-29	12:08	1182	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:08	908	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:09	-24	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:09	-8	0.0	8.48	101.3	0	0	0	
2004-Apr-29	12:09								Reset Total, Vol = 101.32 bbl
2004-Apr-29	12:09	-9	0.0	8.48	0.0	0	0	0	
2004-Apr-29	12:09								End Job

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
5	0	0	6.5

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
79	0	20	

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
			1200	

Breakdown Fluid

Volume	Density
bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface? Volume
%	79 bbl	100.7 bbl	°F	☐ Washed Thru Perfs To ft

bbl

Customer or Authorized Representative	Schlumberger Supervisor		
Fillpot, Greg	Ahrends, Timothy	☐ CirculationLost	☑ Job Completed

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Schlumberger

Service Order

2004-May-05

Customer	Person Taking Call	Dowell Location	OrderDate	Job Number
OXY USA, INC.	Ousley, John	Perryton, TX	2004-Apr-30	2205545824

Well Name and Number	Legal Location	Field	County	State/Province
Kapp A-7			Seward	Kansas

Well Master:	API / UWI:
0630585819	

Rig Name	Age	Sales Engineer	Job Type
	New	Cambern, Charles	Cem Prod Casing

Time Well Ready:	Deviation	Bit Size	Well MD	Well TVD	BHP	BHST	BHCT
		7.88 in	6,375 ft	6,375 ft	psi	112 °F	°F

Treat Down	Packer Type	Packer Depth	WellHead Connection	HHP on Location	Max AllowedPressure	Max Allowed AnnPressure
Tubing		ft	4 1/2 HS&M		2000	

Casing

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
6375	4.5	10.5		

Tubing

Depth,	Size, in	Weight, lb/ft	Grade	Thread
3204	2.375	4.7		

Perforated Interval

Top, ft	Bottom, ft	spf	# of Shots	Total Interval
				ft
				Diameter
				in

Services Instructions:

CEMENT 4 1/2 PORT COLLAR WITH:
20 BBL CW100
365 SKS 50/50 POZ CLASS H + 2%D20 + 3%M117 + 5 PPS D42 + 5 PPS D53 + 0.25% D112 + 0.25% D65 + 0.25% D46
DISPLACE WITH FRESH WATER

Extra Equipment:

1 PUMP
1 ABT
1 CEMCAT

KCC
JUL 2 6 2004
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Expected On Location:

Ready To Pump:

Contact	Phone/Voice	Mobile	FAX	Notes
Greg Filipot		1 620 353 8869		
Wes Willimon		1 620 655 1756		

Notes:

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Directions:

FROM PERRYTON TX== NORTH ON HWY 83 TO LIBERAL, KS == CONTINUE 9 MILES NORTH TO HWY 51 == 7 MILES WEST ON HWY 51 == 7 MILES NORTH == 1 MILE EAST == 1/2 MILE SOUTH == EAST INTO

Other Notes:

FOLLOW ALL CONVOY POLICIES AND BE SAFE!!!

Comments:
PORT COLLAR SET @ +/- 3200 FT

Fluid Systems:

TAIL

365 SACKS 50:50 POZ H+2%D20+5 PPS D042+5 PPS D53+0.25%D112+0.25%D65+3%M117H+0.25%D46

Density:	13.8	lb/gal	*Thickening Time:*		
Yield:	1.55	ft³/sk			
H2O Mix:	7.1	gal/sk			
H2O:	2591.5	gal	*Eq. Sack Weight:*	86.5	lb
			Total Blend:	365	sacks

Dowell Code	Conc/ Amount		Total Quantity
D020	1.73	lbs/sk	631.45
POZ	39.5	lbs/sk	14417.5
CLASS H	47	lbs/sk	17155
D046	0.216	lbs/sk	78.84
M117	2.595	lbs/sk	947.175
D065	0.216	lbs/sk	78.84
D112	0.216	lbs/sk	78.84
D053	5	lbs/sk	1825
D042	5	lbs/sk	1825

WASH

20 BBLS CW100

Density:		lb/gal	*Thickening Time:*		
Yield:		ft³/sk			
H2O Mix:	0	gal/sk			
H2O:	0	gal	*Eq. Sack Weight:*	0	lb
			Total Blend:	0	sacks

Dowell Code	Conc/ Amount		Total Quantity
D122A	10	gal	10
J237A	5	gal	5

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Schlumberger — Cementing Service Report

Customer: XY USA, INC.			Job Number: 2205545824
Well: Kapp A-7	Location (legal):	Schlumberger Location: Perryton, TX	Job Start: 2004-May-05
Field:	Formation Name/Type:	Deviation: °	Bit Size: 7.88 in / Well MD: 6,375 ft / Well TVD: 6,375 ft
County: Seward	State/Province: Kansas	BHP: psi / BHST: 112 °F / BHCT: °F	Pore Press. Gradient: psi/ft
Well Master: 0630585819	API/ UWI:		

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
6375	4.5	10.5		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
3204	2.375	4.7		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
				ft

Diameter: in

Rig Name	Drilled For	Service Via	Well Class	Well Type
	Oil & Gas	Land	N	Development

Offshore Zone:

Drilling Fluid Type:

Max. Density: lb/gal — Plastic Vis: cp

Service Line: Cementing — Job Type: Prod Casing

Max. Allowed Tubing Pressure: 2000 psi — Max. Allowed Ann. Pressure: psi — WellHead Connection: 4 1/2 HS&M

Service Instructions

CEMENT 4 1/2 PORT COLLAR WITH
20 BBL CW100
365 SKS 50/50 POZ CLASS H + 2%D[illegible] + 3%M117 + 5 PPS D42 + 5 PPS D53 + 0.25% D112 + 0.25% D65 + 0.2[illegible] D46
DISPLACE WITH FRESH WATER

Treat Down	Displacement	Packer Type	Packer Depth
Tubing	12.3 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
12.3 bbl	50.9 bbl	33.6 bbl	50.9 bbl

Casing/Tubing Secured ☑ — 1 H[illegible] Volume Circulated prior to Cementing ☑

Lift Pressure: psi — Pipe Rotated ☐ — Pipe Reciprocated ☐

No. Centralizers: — Top Plugs: 0 — Bottom Plugs: 0

Cement Head Type:

Job Scheduled For: — Arrived on Location: 2004-May-[illegible] 7:30 — Leave Location: 2004-May-05

Casing Tools

Shoe Type:	
Shoe Depth:	ft
Stage Tool Type:	
Stage Tool Depth:	ft
Collar Type:	
Collar Depth:	ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	ft
Tail Pipe Size:	in
Tail Pipe Depth:	ft
Sqz Total Vol:	bbl

Date	Time (24 hr clock)	Treating Pressure (psi)	Density (lb/gal)	Pump Rate (bbl/min)	Pump Vol (bbl)	BK FLOWMETER (bbl/min)	BK FLOW STAGE (bbl)	0	Message
2004-May-05	9:06	0	0	0.1	0.0	0.0	0.0	0	
2004-May-05	9:06	0	0	0.1	0.0	0.0	0.0	0	
2004-May-05	9:06								Pressure Test Lines
2004-May-05	9:06	0	0	0.1	0.1	0.0	0.0	0	
2004-May-05	9:07	0	0	0.1	0.1	0.0	0.0	0	
2004-May-05	9:07	0	0	0.1	0.2	0.0	0.0	0	
2004-May-05	9:08	0	0	0.1	0.2	0.0	0.0	0	
2004-May-05	9:08	5	0	0.1	0.3	0.0	0.0	0	
2004-May-05	9:09	5	0	0.1	0.3	0.0	0.0	0	
2004-May-05	9:09	5	0	0.1	0.4	0.0	0.0	0	
2004-May-05	9:10	9	0	0.1	0.4	0.0	0.0	0	
2004-May-05	9:10	9	0	0.0	0.4	0.0	0.0	0	
2004-May-05	9:11	9	0	0.1	0.5	0.0	0.0	0	
2004-May-05	9:11	3186	0	0.0	0.5	0.0	0.0	0	
2004-May-05	9:12	3012	0	0.0	0.5	0.0	0.0	0	
2004-May-05	9:12	2257	0	0.0	0.6	0.0	0.0	0	
2004-May-05	9:13	5	0	0.0	0.6	0.0	0.0	0	
2004-May-05	9:13	0	0	0.0	0.6	0.0	0.0	0	
2004-May-05	9:14	270	0	1.9	1.0	0.0	0.0	0	
2004-May-05	9:14	1461	0	0.9	1.5	0.0	0.0	0	
2004-May-05	9:15	1826	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:15	1909	0	0.0	1.7	0.0	0.0	0	

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Well		Service Date	Customer	Job Number
Kapp #A-7		04126-May-05	OXY USA, INC.	2206645824

Date	Time	Treating Pressure	De	Pump Rate	Pump Vol	SK FLOWMETER	SK FLOW STAGE	0	Message
	24 hr clock	psi	lb	bbl/min	bbl	bbl/min	bbl	0	
2004-May-05	9:16	1698	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:16	1717	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:17	1666	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:17	1190	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:18	485	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:18	426	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:19	114	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:19	114	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:20	114	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:20	110	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:21	110	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:21	110	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:22	105	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:22	105	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:23	101	0	0.0	1.7	0.0	0.0	0	
2004-May-05	9:23	101	8	0.0	1.7	0.0	0.0	0	
2004-May-05	9:23	101	8	0.0	1.7	0.0	0.0	0	
2004-May-05	9:23								Start Pumping Wash
2004-May-05	9:24	101	6	0.0	1.7	0.0	0.0	0	
2004-May-05	9:24	96	3	0.0	1.7	0.0	0.0	0	
2004-May-05	9:25	201	8	1.1	1.8	0.0	0.0	0	
2004-May-05	9:25								Reset Total, Vol = 1.79 bbl
2004-May-05	9:25	316	8	1.6	0.1	0.0	0.0	0	
2004-May-05	9:25	1030	8	4.3	1.7	0.0	0.0	0	
2004-May-05	9:26	1062	8	4.3	3.8	0.0	0.0	0	
2004-May-05	9:26	1039	8	4.3	5.9	0.0	0.0	0	
2004-May-05	9:27	1039	8	4.3	8.1	0.0	0.0	0	
2004-May-05	9:27	1007	8	4.3	10.2	0.0	0.0	0	
2004-May-05	9:28	1483	8	5.4	12.7	0.0	0.0	0	
2004-May-05	9:28	1465	8	5.4	15.4	0.0	0.0	0	
2004-May-05	9:29	1451	8	5.4	18.1	0.0	0.0	0	
2004-May-05	9:29	1488	8	5.6	20.9	0.0	0.0	0	
2004-May-05	9:30	1506	8	5.5	23.6	0.0	0.0	0	
2004-May-05	9:30	288	8	1.0	24.6	0.0	0.0	0	
2004-May-05	9:31	1007	8	4.1	26.4	0.0	0.0	0	
2004-May-05	9:31	1524	8	5.2	29.0	0.0	0.0	0	
2004-May-05	9:31								Start Cement Slurry
2004-May-05	9:31	1497	9	5.4	30.2	0.0	0.0	0	
2004-May-05	9:31								End Wash
2004-May-05	9:31	1492	10	5.3	30.4	0.0	0.0	0	
2004-May-05	9:31	1524	10	5.3	30.5	0.0	0.0	0	
2004-May-05	9:31								Reset Total, Vol = 30.55 bbl
2004-May-05	9:32	1497	11	5.3	1.1	0.0	0.0	0	
2004-May-05	9:32	1534	11	5.3	3.8	0.0	0.0	0	
2004-May-05	9:33	1566	13	5.1	6.5	0.0	0.0	0	
2004-May-05	9:33	1588	13	5.1	9.0	0.0	0.0	0	
2004-May-05	9:34	1634	14	5.0	11.5	0.0	0.0	0	
2004-May-05	9:34	1712	13	4.7	14.0	0.0	0.0	0	
2004-May-05	9:35	1712	13	4.5	16.3	0.0	0.0	0	
2004-May-05	9:35	1767	13	4.5	18.5	0.0	0.0	0	
2004-May-05	9:36	1744	13	4.4	20.8	0.0	0.0	0	
2004-May-05	9:36	1804	13	4.4	23.0	0.0	0.0	0	
2004-May-05	9:37	1804	13	4.3	25.1	0.0	0.0	0	
2004-May-05	9:37	1767	13	4.4	27.3	0.0	0.0	0	

Well	Field	Service Date	Customer	Job Number
Kapp #A-7		04:25-May-05	CXY USA, INC.	2205545824

Date	Time	Treating Pressure	Density	Pump Rate	Pump Vol	SK FLOWMETER	SK FLOW STAGE	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	bbl/min	bbl	0	
2004-May-05	9:38	1744	1[illegible]	4.5	29.5	0.0	0.0	0	
2004-May-05	9:38	1772	1[illegible]	4.5	31.8	0.0	0.0	0	
2004-May-05	9:39	1822	1[illegible]	4.5	34.0	0.0	0.0	0	
2004-May-05	9:39	1776	1[illegible]	4.5	36.2	0.0	0.0	0	
2004-May-05	9:40	1772	1[illegible]	4.4	38.4	0.0	0.0	0	
2004-May-05	9:40	1749	1[illegible]	4.4	40.7	0.0	0.0	0	
2004-May-05	9:41	1772	1[illegible]	4.5	42.9	0.0	0.0	0	
2004-May-05	9:41	1772	1[illegible]	4.5	45.2	0.0	0.0	0	
2004-May-05	9:42	1767	1[illegible]	4.5	47.4	0.0	0.0	0	
2004-May-05	9:42	1758	1[illegible]	4.4	49.6	0.0	0.0	0	
2004-May-05	9:43	1785	1[illegible]	4.4	51.8	0.0	0.0	0	
2004-May-05	9:43	1762	1[illegible]	4.4	54.0	0.0	0.0	0	
2004-May-05	9:44	1721	1[illegible]	4.4	56.2	0.0	0.0	0	
2004-May-05	9:44	1767	1[illegible]	4.5	58.5	0.0	0.0	0	
2004-May-05	9:45	1726	1[illegible]	4.4	60.7	0.0	0.0	0	
2004-May-05	9:45	1753	1[illegible]	4.4	62.9	0.0	0.0	0	
2004-May-05	9:46	1744	1[illegible]	4.4	65.1	0.0	0.0	0	
2004-May-05	9:46	1749	1[illegible]	4.4	67.3	0.0	0.0	0	
2004-May-05	9:47	1758	1[illegible]	4.4	69.5	0.0	0.0	0	
2004-May-05	9:47	1726	1[illegible]	4.4	71.7	0.0	0.0	0	
2004-May-05	9:48	1726	1[illegible]	4.4	73.9	0.0	0.0	0	
2004-May-05	9:48	1721	1[illegible]	4.4	76.1	0.0	0.0	0	
2004-May-05	9:49	1593	1[illegible]	4.5	78.4	0.0	0.0	0	
2004-May-05	9:49	1653	1[illegible]	4.4	80.6	0.0	0.0	0	
2004-May-05	9:50	1657	1[illegible]	4.4	82.8	0.0	0.0	0	
2004-May-05	9:50	1707	1[illegible]	4.4	85.0	0.0	0.0	0	
2004-May-05	9:51	1671	1[illegible]	4.5	87.2	0.0	0.0	0	
2004-May-05	9:51	1749	1[illegible]	4.4	89.4	0.0	0.0	0	
2004-May-05	9:52	1648	1[illegible]	4.4	91.6	0.0	0.0	0	
2004-May-05	9:52	1671	1[illegible]	4.4	93.9	0.0	0.0	0	
2004-May-05	9:53	1666	1[illegible]	4.4	96.0	0.0	0.0	0	
2004-May-05	9:53	1730	1[illegible]	4.4	98.3	0.0	0.0	0	
2004-May-05	9:54	1657	1[illegible]	4.3	100.4	0.0	0.0	0	
2004-May-05	9:54	1620	1[illegible]	4.5	102.6	0.0	0.0	0	
2004-May-05	9:55	1666	1[illegible]	4.4	104.8	0.0	0.0	0	
2004-May-05	9:55	1657	1[illegible]	4.4	107.0	0.0	0.0	0	
2004-May-05	9:56	1680	1[illegible]	4.4	109.2	0.0	0.0	0	
2004-May-05	9:56	1698	1[illegible]	4.4	111.4	0.0	0.0	0	
2004-May-05	9:57	1749	1[illegible]	4.2	113.5	0.0	0.0	0	
2004-May-05	9:57	87	1[illegible]	1.6	115.7	0.0	0.0	0	
2004-May-05	9:58	1002	8[illegible]	3.4	117.0	0.0	0.0	0	
2004-May-05	9:58								End Cement Slurry
2004-May-05	9:58	1648	8[illegible]	3.8	118.6	0.0	0.0	0	
2004-May-05	9:58								Start Displacement
2004-May-05	9:58	1630	8[illegible]	3.8	118.8	0.0	0.0	0	
2004-May-05	9:58								Reset Total, Vol = 118.88 bbl
2004-May-05	9:58	1630	8[illegible]	3.8	118.9	0.0	0.0	0	
2004-May-05	9:59	1625	8[illegible]	4.0	1.9	0.0	0.0	0	
2004-May-05	9:59	1598	8[illegible]	4.1	3.9	0.0	0.0	0	
2004-May-05	10:00	1666	8[illegible]	4.0	6.0	0.0	0.0	0	
2004-May-05	10:00	1529	8[illegible]	4.2	9.4	0.0	0.0	0	
2004-May-05	10:01	366	8[illegible]	1.9	11.0	0.0	0.0	0	
2004-May-05	10:01								End Displacement
2004-May-05	10:02	403	8[illegible]	0.0	11.0	0.0	0.0	0	

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Well		Service Date	Customer	Job Number
Kapp #A-7		04126-May-05	OXY USA, INC.	2205545824

Date	Time	Treating Pressure	D	Pump Rate	Pump Vol	SK FLOWMETER	SK FLOW STAGE	0	Message
	24 hr clock	psi		bbl/min	bbl	bbl/min	bbl	0	
2004-May-05	10:02								Pressure Test Lines
2004-May-05	10:02	398		0.0	11.0	0.0	0.0	0	
2004-May-05	10:03	1497		0.8	11.4	0.0	0.0	0	
2004-May-05	10:03	2055		0.0	11.6	0.0	0.0	0	
2004-May-05	10:04	2037		0.0	11.6	0.0	0.0	0	
2004-May-05	10:04	2042		0.0	11.6	0.0	0.0	0	
2004-May-05	10:05	2042		0.0	11.6	0.0	0.0	0	
2004-May-05	10:05	1057		0.0	11.6	0.0	0.0	0	
2004-May-05	10:17								Start Pumping Spacer
2004-May-05	10:17	-9		0.0	11.6	0.0	0.0	0	
2004-May-05	10:17	-9		0.0	11.6	0.0	0.0	0	
2004-May-05	10:17	-9		0.0	11.6	0.0	0.0	0	
2004-May-05	10:17								Reset Total, Vol = 11.62 bbl
2004-May-05	10:18	320		3.2	0.3	0.0	0.0	0	
2004-May-05	10:18	1556		5.6	2.5	0.0	0.0	0	
2004-May-05	10:19	1744		5.6	5.3	0.0	0.0	0	
2004-May-05	10:19	1776		5.6	8.1	0.0	0.0	0	
2004-May-05	10:20	1767		5.6	11.0	0.0	0.0	0	
2004-May-05	10:20	1547		5.6	13.8	0.0	0.0	0	
2004-May-05	10:21	1396		5.7	16.6	0.0	0.0	0	
2004-May-05	10:21	1382		5.7	19.5	0.0	0.0	0	
2004-May-05	10:22	1387		5.7	22.4	0.0	0.0	0	
2004-May-05	10:22	1350		5.7	25.2	0.0	0.0	0	
2004-May-05	10:23	-41		0.0	27.4	0.0	0.0	0	
2004-May-05	10:23								End Spacer
2004-May-05	10:23	-14		0.0	27.4	0.0	0.0	0	
2004-May-05	10:23	-18		0.0	27.4	0.0	0.0	0	
2004-May-05	10:23								Reset Total, Vol = 27.39 bbl

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Post Job Summary

Average Pump Rates			bpm	Volume of Fluid Injected, bbl			
Slurry	N2		Maximum Rate	Total Slurry	Mud	Spacer	N2
5			5.5	101	0	20	

Treating Pressure Summary, psi					Breakdown Fluid	
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density
1800		1600			bbl	8.34 lb/gal

Avg. N2 Percent	Designed Slurry Volu	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
%	101 b	12.3 bbl	°F	Washed Thru Perfs	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Fillpot,	Landeros, Feliverto	CirculationLost	Job Completed