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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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Form ACO-1
September 1999

CONSERVATION DIVISION
WICHITA, KS

WELL COMPLETION FORM

Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5447
 Name: OXY USA Inc.
 Address: P.O. Box 2528
 City/State/Zip: Liberal, KS 67905
 Purchaser: Pending
 Operator Contact Person: Greg Rowe
 Phone: (620) 629-4200
 Contractor: Name: Cheyenne Drilling LP
 License: 33375
 Wellsite Geologist: NA
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____

API No. 15 - 175-21970-0000
 County: Seward
C - SW - SW Sec 22 Twp. 32 S. R. 34W
660 feet from (S) N (circle one) Line of Section
660 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Hitch C Well #: 5
 Field Name: Holt
 Producing Formation: Toronto
 Elevation: Ground: 2914 Kelly Bushing: 2924
 Total Depth: 4250 Plug Back Total Depth: 4477
 Amount of Surface Pipe Set and Cemented at 1770 feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

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. _____
03/09/05 03/14/05 06/16/05
 Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan ALT Iwth
 (Data must be collected from the Reserve Pit) 4-23-07
 Chloride content 1900 mg/l ppm Fluid volume 1100 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp, _____ S. R. East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

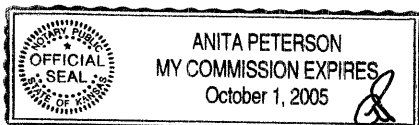
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Wolci Jander
 Title: Capital Project Date July 6, 2005
 Subscribed and sworn to before me this 6th day of July
20 05
 Notary Public: Anita Peterson
 Date Commission Expires: Oct. 1, 2005

KCC Office Use Only

YES Letter of Confidentiality Attached
 If Denied, Yes Date: _____

_____ Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution



X

Side Two

Operator Name: OXY USA Inc. Lease Name: Hitch C Well #: 5
 Sec. 22 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Sonic Neutron Induction Microlog CBL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Matfield</td> <td>2846</td> <td>77</td> </tr> <tr> <td>Wreford</td> <td>2861</td> <td>62</td> </tr> <tr> <td>CGRV Grp</td> <td>2890</td> <td>34</td> </tr> <tr> <td>A1LM</td> <td>2901</td> <td>23</td> </tr> <tr> <td>B1SH</td> <td>2952</td> <td>-28</td> </tr> <tr> <td>B1LM</td> <td>2966</td> <td>-42</td> </tr> <tr> <td>B2SH</td> <td>2987</td> <td>-63</td> </tr> </table> (See Side Three)	Name	Top	Datum	Matfield	2846	77	Wreford	2861	62	CGRV Grp	2890	34	A1LM	2901	23	B1SH	2952	-28	B1LM	2966	-42	B2SH	2987	-63
Name	Top	Datum																							
Matfield	2846	77																							
Wreford	2861	62																							
CGRV Grp	2890	34																							
A1LM	2901	23																							
B1SH	2952	-28																							
B1LM	2966	-42																							
B2SH	2987	-63																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set(in. O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor					C		
Surface	12 1/4	8 5/8	24	1770	C	640	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	10.5	4250	H	400	50/50 Poz + Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4175-4184, 4166-4170	Acidize - 36 bbls 17% HCL-FE	

TUBING RECORD	Size 2 3/8	Set At 4200	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. SIGW		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbls	Gas-Oil Ratio Gravity

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: Hitch C Well #: 5

Sec. 22 Twp. 32 S. R. 34W East West County: Seward

Name	Top	Datum
B2LM	2996	-71.
B3SH	3006	-82
B3LM	3023	-100
B4SH	3034	-110.
B4LM	3042	-118
B5SH	3054	-131
B5LM	3062	-138
C SH	3095	-171
C LM	3113	-190'
Hebner SH	4145	-1221

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Schlumberger

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Cementing Service Report

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Customer EXPLORATION						Job Number 2205547831				
Well HITCH 'C' 5			Location (legal) Sec 22-32S-34W			Schlumberger Location Perryton, TX			Job Start 2005-Mar-10	
Field Panoma Gas		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 1,770 ft	Well TVD 1,770 ft		
County SEWARD		State/Province KANSAS		BHP psi	BHST 98 °F	BHCT 85 °F	Pore Press. Gradient psi/ft			
Well Master: 0630670690		API / UWI:		Casing/Liner						
Rig Name CHEYENNE 8	Drilled For Gas		Service Via Land		Depth, ft 1759.19	Size, in 8.63	Weight, lb/ft 24	Grade	Thread 8RD	
Offshore Zone	Well Class New		Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type Bentonite		Max. Density 9.3 lb/gal	Plastic Vi: cp 33		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Cem Surface Casing			Perforations/Open Hole					
Max. Allowed Tubing Pressure 1500 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 8 5/8" H&SM			Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft	
Service Instructions CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 640 SK 35:65 POZ C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 DISPLACE WITH FRESH WATER					Diameter in	Treat Down Casing	Displacement 110 bbl	Packer Type	Packer Depth ft	
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job			
Lift Pressure: 450 psi		Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>			Shoe Type: Auto-Fill	Squeeze Type			
No. Centralizers:		Top Plugs:	Bottom Plugs: 1			Shoe Depth: 1726.82 ft	Tool Type:			
Cement Head Type: Single		Stage Tool Type:	Tool Depth: ft			Stage Tool Depth: ft	Tail Pipe Size: in			
Job Scheduled For:		Arrived on Location: 2005-Mar-10 18:00	Leave Location: 2005-Mar-11 2:30			Collar Type:	Tail Pipe Depth: ft			Collar Depth: ft
Sqz Total Vol: bbl	Message									
Date	Time	Density lb/gal	Rate bbl/min	Volume bbl	CMT TREAT PRES psi	Flowmeter bbl/min	Flowmeter Tot alVol bbl	0	0	Message
2005-Mar-10	23:52									Start Job
2005-Mar-10	23:52	8.36	0.0	0.0	5	0.0	0.0	0		
2005-Mar-10	23:53									Pressure Test Lines
2005-Mar-10	23:53	8.36	0.0	0.0	5	0.0	0.0	0		
2005-Mar-10	23:53									Start Pumping Spacer
2005-Mar-10	23:53	8.36	0.0	0.0	0	0.0	0.0	0		
2005-Mar-10	23:53	8.36	0.0	0.0	0	0.0	0.0	0		
2005-Mar-10	23:54	8.36	0.0	0.0	5	0.0	0.0	0		
2005-Mar-10	23:54	8.37	0.0	0.2	1598	0.5	0.5	0		
2005-Mar-10	23:55	8.37	0.0	0.2	1547	0.0	0.5	0		
2005-Mar-10	23:56									Reset Total, Vol = 0.20 bbl
2005-Mar-10	23:56	8.37	0.0	0.2	23	0.0	0.5	0		
2005-Mar-10	23:56	8.37	0.0	0.2	27	0.0	0.5	0		
2005-Mar-10	23:56	8.37	0.0	0.2	32	0.9	0.5	0		
2005-Mar-10	23:57	8.37	2.3	1.5	87	2.3	1.8	0		
2005-Mar-10	23:58	8.35	5.2	3.8	174	5.8	4.0	0		
2005-Mar-10	23:58	8.36	5.7	7.5	179	5.8	7.8	0		
2005-Mar-10	23:59	8.36	5.8	11.3	183	5.8	11.6	0		
2005-Mar-11	0:00	8.46	5.8	14.1	188	5.9	14.4	0		
2005-Mar-11	0:00									End Spacer
2005-Mar-11	0:00									Reset Total, Vol = 14.13 bbl
2005-Mar-11	0:00	8.47	5.8	14.3	188	5.8	14.6	0		

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Well		Field			Service Date		Customer		Job Number
HITCH 'C' #5		Panoma Gas			0569-Mar-10		OXY USA, INC.		2205547831
Date	Time	Density	Rate	Volume	CMT TREAT PRES.	Flowmeter	FlowmeterTotalVol	0	Message
	24 hr clock	lb/gal	bbbl/min	bbbl	psi	bbbl/min	bbbl	0	
2005-Mar-11	0:00	8.48	5.8	0.5	188	5.9	0.5	0	
2005-Mar-11	0:00								Start Mixing Lead Slurry
2005-Mar-11	0:00	8.48	5.8	0.9	188	5.9	0.9	0	
2005-Mar-11	0:00	10.84	5.9	4.8	211	5.7	4.7	0	
2005-Mar-11	0:01	11.81	5.9	8.7	220	5.8	8.5	0	
2005-Mar-11	0:02	11.98	6.0	12.7	224	5.9	12.5	0	
2005-Mar-11	0:02	12.29	6.1	16.7	220	6.1	16.5	0	
2005-Mar-11	0:03	12.32	6.1	20.8	197	6.1	20.5	0	
2005-Mar-11	0:04	11.82	6.1	24.9	188	6.0	24.6	0	
2005-Mar-11	0:04	12.24	6.6	28.7	197	6.1	28.5	0	
2005-Mar-11	0:05	11.57	5.7	32.3	151	5.5	32.0	0	
2005-Mar-11	0:06	12.25	5.2	35.4	137	5.2	35.1	0	
2005-Mar-11	0:06	12.50	5.2	39.0	133	5.2	38.7	0	
2005-Mar-11	0:07	12.43	6.7	42.8	174	6.0	42.3	0	
2005-Mar-11	0:08	12.51	6.7	47.2	174	6.7	46.9	0	
2005-Mar-11	0:08	12.26	6.7	51.7	165	8.0	51.2	0	
2005-Mar-11	0:09	12.25	5.8	55.4	128	5.2	55.0	0	
2005-Mar-11	0:10	12.45	5.9	59.3	133	5.8	58.9	0	
2005-Mar-11	0:10	12.46	5.9	63.2	133	5.9	62.8	0	
2005-Mar-11	0:11	12.22	5.9	67.1	133	5.9	66.7	0	
2005-Mar-11	0:12	12.36	5.8	71.0	128	5.6	70.6	0	
2005-Mar-11	0:12	12.35	5.8	74.9	133	5.7	74.5	0	
2005-Mar-11	0:13	12.08	5.9	78.8	133	5.9	78.2	0	
2005-Mar-11	0:14	12.63	5.8	82.7	137	5.7	82.2	0	
2005-Mar-11	0:14	12.30	5.9	86.6	137	6.0	86.1	0	
2005-Mar-11	0:15	12.17	5.9	90.6	137	5.1	89.8	0	
2005-Mar-11	0:16	12.24	5.9	94.5	137	5.3	93.6	0	
2005-Mar-11	0:16	12.60	5.9	98.4	133	5.6	97.6	0	
2005-Mar-11	0:17	12.53	5.9	102.4	137	5.8	101.5	0	
2005-Mar-11	0:18	12.40	5.9	106.3	137	5.8	105.4	0	
2005-Mar-11	0:19	12.48	5.9	110.2	137	5.8	109.3	0	
2005-Mar-11	0:19	12.27	5.9	114.2	137	5.4	113.1	0	
2005-Mar-11	0:20	12.11	5.9	118.1	137	5.8	117.0	0	
2005-Mar-11	0:21	12.70	5.9	121.9	142	5.9	120.8	0	
2005-Mar-11	0:21	12.26	5.9	125.9	133	5.9	124.8	0	
2005-Mar-11	0:22	12.19	5.9	129.8	128	6.0	128.7	0	
2005-Mar-11	0:23	12.33	6.0	133.7	124	5.9	132.7	0	
2005-Mar-11	0:23	12.17	5.9	137.7	124	6.0	136.6	0	
2005-Mar-11	0:24	12.19	6.0	141.6	124	5.9	140.6	0	
2005-Mar-11	0:25	12.24	5.9	145.5	124	5.9	144.5	0	
2005-Mar-11	0:25	12.48	5.9	149.5	133	6.0	148.5	0	
2005-Mar-11	0:26	12.45	5.9	153.4	128	5.8	152.4	0	
2005-Mar-11	0:27	12.25	5.9	157.3	128	5.1	156.2	0	
2005-Mar-11	0:27	12.13	5.9	161.3	128	5.5	160.1	0	
2005-Mar-11	0:28	12.08	5.9	165.2	128	5.5	164.0	0	
2005-Mar-11	0:29	11.98	3.9	168.5	69	4.2	167.4	0	
2005-Mar-11	0:29	12.04	3.9	171.1	64	0.9	169.7	0	
2005-Mar-11	0:30	11.48	3.3	173.4	50	3.3	173.9	0	
2005-Mar-11	0:31	11.62	2.8	175.5	32	2.9	176.0	0	
2005-Mar-11	0:31	11.85	2.5	177.4	27	2.9	178.0	0	
2005-Mar-11	0:32	12.20	2.5	179.0	41	3.3	180.0	0	
2005-Mar-11	0:33	12.59	4.9	181.3	92	4.8	182.5	0	
2005-Mar-11	0:33	12.50	5.7	184.8	101	5.1	185.9	0	
2005-Mar-11	0:34	12.56	6.0	188.8	105	5.3	189.6	0	

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Well		Field			Service Date		Customer		Job Number
HITCH 'C' #5		Panama Gas			0569-Mar-10		OXY USA, INC.		2205547831
Date	Time	Density	Rate	Volume	CMT TREAT PRES	Flowmeter	FlowmeterTotalVol	0	Message
	24 hr clock	lb/gal	bbbl/min	bbbl	psi	bbbl/min	bbbl	0	
2005-Mar-11	0:35	12.60	5.5	193.0	137	5.7	193.4	0	
2005-Mar-11	0:35	12.52	5.4	196.6	114	5.5	197.1	0	
2005-Mar-11	0:36	12.29	5.4	200.2	114	5.4	200.7	0	
2005-Mar-11	0:37	12.17	5.5	203.9	114	5.5	204.4	0	
2005-Mar-11	0:37	12.17	5.4	207.5	114	5.4	208.1	0	
2005-Mar-11	0:38	12.33	5.5	211.2	114	5.5	211.7	0	
2005-Mar-11	0:39	12.50	5.5	214.8	114	5.5	215.4	0	
2005-Mar-11	0:39	12.39	5.5	218.6	119	5.5	219.2	0	
2005-Mar-11	0:40	12.29	5.5	222.3	110	5.4	222.8	0	
2005-Mar-11	0:41	12.34	5.7	226.0	128	5.7	226.6	0	
2005-Mar-11	0:41	12.32	5.8	229.8	128	5.8	230.4	0	
2005-Mar-11	0:42	12.30	5.8	233.7	128	5.8	234.3	0	
2005-Mar-11	0:43	12.18	5.8	237.5	128	5.8	238.2	0	
2005-Mar-11	0:43	12.04	5.8	241.4	124	5.8	242.0	0	
2005-Mar-11	0:44	11.92	5.1	245.1	105	5.3	245.8	0	
2005-Mar-11	0:45	11.85	4.4	248.6	92	4.9	249.2	0	
2005-Mar-11	0:45								End Lead Slurry
2005-Mar-11	0:45	12.59	4.3	251.2	82	4.4	251.8	0	
2005-Mar-11	0:45	12.79	4.3	251.3	82	4.4	252.0	0	
2005-Mar-11	0:45								Reset Total, Vol = 251.32 bbl
2005-Mar-11	0:45	12.97	4.3	0.1	82	4.4	0.1	0	
2005-Mar-11	0:45								Start Mixing Tail Slurry
2005-Mar-11	0:46	13.51	4.3	3.0	92	4.3	3.1	0	
2005-Mar-11	0:47	13.85	5.5	6.4	151	5.5	6.4	0	
2005-Mar-11	0:47	14.40	5.5	10.0	156	5.6	10.1	0	
2005-Mar-11	0:48	14.64	5.5	13.8	169	5.6	13.8	0	
2005-Mar-11	0:49	14.23	5.6	17.5	146	5.6	17.5	0	
2005-Mar-11	0:49	14.92	5.6	21.2	169	5.6	21.3	0	
2005-Mar-11	0:50	14.77	5.5	25.0	160	5.6	25.1	0	
2005-Mar-11	0:51	14.94	5.5	28.7	165	5.6	28.8	0	
2005-Mar-11	0:51	14.73	4.7	32.2	119	4.8	32.4	0	
2005-Mar-11	0:52	14.95	4.7	35.3	119	4.8	35.5	0	
2005-Mar-11	0:53	14.75	4.7	38.5	114	4.8	38.7	0	
2005-Mar-11	0:53	14.98	4.7	41.6	119	4.7	41.9	0	
2005-Mar-11	0:54	14.83	4.7	44.7	119	4.7	45.0	0	
2005-Mar-11	0:55	15.20	2.7	46.7	50	3.1	47.2	0	
2005-Mar-11	0:55	15.21	2.7	48.4	64	3.5	49.5	0	
2005-Mar-11	0:55	15.19	0.0	48.5	-5	2.5	49.7	0	
2005-Mar-11	0:55								End Tail Slurry
2005-Mar-11	0:55	15.11	0.0	48.5	-9	0.8	49.8	0	
2005-Mar-11	0:55								Reset Total, Vol = 48.52 bbl
2005-Mar-11	0:55	15.09	0.0	0.0	-5	0.6	0.0	0	
2005-Mar-11	0:55								Drop Top Plug
2005-Mar-11	0:55	15.04	0.0	0.0	-9	0.3	0.0	0	
2005-Mar-11	0:55								Start Displacement
2005-Mar-11	0:56	14.91	0.0	0.0	-9	0.0	0.0	0	
2005-Mar-11	0:57	14.91	0.0	0.0	-9	0.0	0.0	0	
2005-Mar-11	0:57	11.69	0.0	0.0	-5	0.2	0.1	0	
2005-Mar-11	0:58	10.41	0.0	0.0	-5	0.3	0.3	0	
2005-Mar-11	0:59	9.93	0.0	0.0	-5	0.4	0.5	0	
2005-Mar-11	0:59	9.66	0.0	0.0	0	0.2	0.6	0	
2005-Mar-11	1:00	9.48	0.0	0.0	0	0.1	0.7	0	
2005-Mar-11	1:01	9.47	0.0	0.0	-5	0.0	0.7	0	
2005-Mar-11	1:01	9.43	0.0	0.0	-5	0.0	0.7	0	

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Well		Field			Service Date		Customer			Job Number
HITCH 'C' #5		Panama Gas			0569-Mar-10		OXY USA, INC.			2205547831
Date	Time	Density	Rate	Volume	CMT TREAT PRES	Flowmeter	FlowmeterTot aVol	0	0	Message
	24 hr clock	lb/gal	bbl/min	bbl	psi	bbl/min	bbl			
2005-Mar-11	1:02	9.28	2.2	0.1	37	1.6	0.1	0	0	
2005-Mar-11	1:03	8.95	5.3	2.7	73	5.4	2.6	0	0	
2005-Mar-11	1:03	8.41	5.3	6.2	60	5.4	6.2	0	0	
2005-Mar-11	1:04	8.39	5.4	9.8	60	5.5	9.9	0	0	
2005-Mar-11	1:05	8.56	5.4	13.4	69	5.5	13.7	0	0	
2005-Mar-11	1:05	8.39	5.5	17.0	87	5.6	17.4	0	0	
2005-Mar-11	1:06	8.38	5.5	20.6	78	5.6	21.1	0	0	
2005-Mar-11	1:07	8.41	5.5	24.3	101	5.6	24.8	0	0	
2005-Mar-11	1:07	8.40	5.5	28.0	119	5.6	28.5	0	0	
2005-Mar-11	1:08	8.38	5.5	31.7	124	5.7	32.2	0	0	
2005-Mar-11	1:09	8.37	5.5	35.3	128	5.7	36.0	0	0	
2005-Mar-11	1:09	8.37	5.5	39.0	137	5.6	39.7	0	0	
2005-Mar-11	1:10	8.37	5.6	42.8	151	5.7	43.5	0	0	
2005-Mar-11	1:11	8.37	5.6	46.5	169	5.6	47.2	0	0	
2005-Mar-11	1:11	8.37	5.6	50.2	188	5.7	51.0	0	0	
2005-Mar-11	1:12	8.37	5.7	54.1	197	5.7	54.9	0	0	
2005-Mar-11	1:13	8.37	5.6	57.8	211	5.6	58.7	0	0	
2005-Mar-11	1:13	8.37	5.6	61.6	229	5.7	62.5	0	0	
2005-Mar-11	1:14	8.37	5.7	65.4	247	5.7	66.3	0	0	
2005-Mar-11	1:15	8.37	5.6	69.2	270	5.8	70.1	0	0	
2005-Mar-11	1:15	8.37	5.6	73.0	288	5.6	74.0	0	0	
2005-Mar-11	1:16	8.37	5.7	76.8	311	5.7	77.8	0	0	
2005-Mar-11	1:17	8.37	5.8	80.6	343	5.9	81.6	0	0	
2005-Mar-11	1:17	8.37	5.8	84.5	366	5.8	85.5	0	0	
2005-Mar-11	1:18	8.37	5.8	88.4	398	5.8	89.4	0	0	
2005-Mar-11	1:19	8.37	5.9	92.3	403	5.9	93.3	0	0	
2005-Mar-11	1:19	7.99	5.9	96.2	453	6.5	97.9	0	0	
2005-Mar-11	1:20	8.36	4.1	99.2	421	4.1	101.0	0	0	
2005-Mar-11	1:21	8.36	4.0	101.9	430	4.0	103.7	0	0	
2005-Mar-11	1:21	8.36	3.2	104.6	439	3.7	106.3	0	0	
2005-Mar-11	1:22	8.36	2.6	106.4	449	2.6	108.2	0	0	
2005-Mar-11	1:23	8.36	2.7	108.2	449	2.6	110.1	0	0	
2005-Mar-11	1:23	8.36	0.0	109.8	970	0.5	111.7	0	0	
2005-Mar-11	1:24	8.36	0.0	109.8	980	0.0	111.7	0	0	
2005-Mar-11	1:25	8.36	0.0	109.8	243	0.0	111.7	0	0	
2005-Mar-11	1:25	8.36	0.0	109.8	0	0.0	111.7	0	0	
2005-Mar-11	1:25									Bump Top Plug
2005-Mar-11	1:25	8.36	0.0	109.8	-5	0.0	111.7	0	0	
2005-Mar-11	1:25									End Displacement
2005-Mar-11	1:25									Reset Total, Vol = 109.77 bbl
2005-Mar-11	1:25	8.36	0.0	109.8	-5	0.0	111.7	0	0	
2005-Mar-11	1:25									End Job
2005-Mar-11	1:25	8.36	0.0	0.0	-5	0.0	0.0	0	0	
2005-Mar-11	1:25	8.36	0.0	0.0	-5	0.0	0.0	0	0	

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Well HITCH 'C' #5		Field Panoma Gas		Service Date 0569-Mar-10		Customer OXY USA, INC.		Job Number 2205547831	
Date	Time 24 hr clock	Density lb/gal	Rate bbl/min	Volume bbl	CMT TREAT PRES psi	Flowmeter bbl/min	Flowmeter Total Vol bbl	0	Message
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5.5			7	297	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
990		150	990		bbl	8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	120	bbl	
%	297 bbl		110 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft		
Customer or Authorized Representative Willimon, Wes			Schlumberger Supervisor Tan, Naveen			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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Schlumberger

Date	3/10/2005
Company	Oxy USA Inc.
Job Number	2205547831
Well Name	Hitch
Well Number	C-5
County	Seward
State	Kansas

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Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1770.19	
Shoe Length	43.37	
Insert Depth	1726.82	
Hole Size	12 1/4	
Hole Depth	1770	

Lead	
640 sacks	35:65 Poz C
2.19 yield	D20,S1,D29
12.2 weight	
12.4 water	189
cubic ft.	1402
height	3396
bbls	250

243	Pipe Volume	113
	Annular Volume	130
	Total Cement	296
	Total Water	328

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

Tail	
195 sacks	Class C
1.34 yield	S1,D29
14.8 weight	
6.35 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift	727
Cement lift	427

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

Test 1500

Mud

10 Spacer

250 Lead 12.2

47 Tail 14.8

110.0 Displacement

2000 Maximum Pressure

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

Pump time @ 5 BPM

81 MIN

41 fts 8 5/8" set @ 1770'

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Customer
OXY USA, INC.

Job Number
2205547756

Well HITCH 'C' 5		Location (legal) Sec 22-T32S-R34W		Schlumberger Location Perryton, TX		Job Start 2005-Mar-15	
Field PANOMA GAS		Formation Name/Type		Deviation °	Bit Size 7.88 in	Well MD 4,250 ft	Well TVD 4,250 ft
County SEWARD		State/Province KANSAS		BHP psi	BHST 123 °F	BHCT °F	Pore Press. Gradient psi/ft
Well Master: 0630670690		API / UWI: 15175219700000		Casing/Liner			
Rig Name MURFIN 20	Drilled For Gas	Service Via Land		Depth, ft 4250	Size, in 4.5	Weight, lb/ft 11.6	Grade
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
Service Line Cementing	Job Type Cem Prod Casing		Perforations/Open Hole				
Max. Allowed Tubing Pressure 1500 psi	Max. Allowed Ann. Pressure psi	WellHead Connection 4 1/2" H&SM		Top, ft	Bottom, ft	spf	No. of Shots
Service Instructions CEMENT PROD 4 1/2" CASING: 20 BBLs CW100 400 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.6 %D112+ 0.25 %D65+0.25%D46 DISPLACE W/FRESH WATER				Total Interval ft	Diameter in	Packer Depth ft	OpenHole Vol bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Treat Down Casing	Displacement 67 bbl	Packer Type	Packer Depth ft
Lift Pressure: 700 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Tubing Vol. bbl	Casing Vol. 67.7 bbl
No. Centralizers: 20		Top Plugs: 1	Bottom Plugs: 1		Annular Vol. 173 bbl	OpenHole Vol 256 bbl	Casing Tools
Cement Head Type: Single		Job Scheduled For: 2005-Mar-15 18:30		Arrived on Location: 2005-Mar-15 18:30		Leave Location: 2005-Mar-15 21:00	
Casing Tools		Squeeze Job		Shoe Type: Guide	Squeeze Type	Shoe Depth: 4250 ft	Tool Type:
Stage Tool Type:		Stage Tool Depth: ft		Tail Pipe Size: in	Tail Pipe Depth: ft	Collar Type: Auto-Fill	Collar Depth: 4214.57 ft
Collar Depth: 4214.57 ft		Sqz Total Vol: bbl		Message			
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0
	24 hr clock	bbl/min	psi	bbl	lb/gal	0	0
2005-Mar-14	19:16	0.0	0	0.0	8.35	0	0
2005-Mar-14	19:16	0.0	0	0.0	8.35	0	0
2005-Mar-14	19:16						
2005-Mar-14	19:16						Start Job
2005-Mar-14	19:16	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:16	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:16						Pressure Test Lines
2005-Mar-14	19:16						
2005-Mar-14	19:16						Start Pumping Spacer
2005-Mar-14	19:16						Start Pumping Wash
2005-Mar-14	19:17	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:17	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:18	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:18	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:19	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:19	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:20	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:20	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:21	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:21	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:22	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:22	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:23	0.0	0	0.0	8.34	0	0
2005-Mar-14	19:23	0.0	0	0.0	8.34	0	0

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Well		Field				Service Date		Customer		Job Number
HITCH 'C' #5		PANOMA GAS				0574-Mar-15		OXY USA, INC.		2205547756
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message	
	24 hr clock	bbbl/min	psi	bbl	lb/gal	0	0	0		
2005-Mar-14	19:24	0.0	0	0.0	8.34	0	0	0		
2005-Mar-14	19:24	0.0	0	0.0	8.34	0	0	0		
2005-Mar-14	19:25	1.5	69	0.2	8.31	0	0	0		
2005-Mar-14	19:25	0.0	1826	0.3	8.34	0	0	0		
2005-Mar-14	19:26	0.0	23	0.3	8.34	0	0	0		
2005-Mar-14	19:26	0.0	9	0.3	8.34	0	0	0		
2005-Mar-14	19:27	0.0	9	0.3	8.34	0	0	0		
2005-Mar-14	19:27	0.0	9	0.3	8.34	0	0	0		
2005-Mar-14	19:28	0.0	9	0.3	8.34	0	0	0		
2005-Mar-14	19:28	1.5	41	0.4	8.34	0	0	0		
2005-Mar-14	19:29	2.8	156	1.2	8.35	0	0	0		
2005-Mar-14	19:29	5.7	325	3.8	8.34	0	0	0		
2005-Mar-14	19:30	5.7	316	6.7	8.34	0	0	0		
2005-Mar-14	19:30	5.7	298	9.5	8.34	0	0	0		
2005-Mar-14	19:31	5.7	307	12.4	8.35	0	0	0		
2005-Mar-14	19:31	5.7	302	15.3	8.34	0	0	0		
2005-Mar-14	19:32	5.7	302	18.1	8.33	0	0	0		
2005-Mar-14	19:32	5.7	298	21.0	8.33	0	0	0		
2005-Mar-14	19:33	5.7	302	23.8	8.33	0	0	0		
2005-Mar-14	19:33	5.6	307	26.8	8.33	0	0	0		
2005-Mar-14	19:34	5.7	293	29.6	8.15	0	0	0		
2005-Mar-14	19:34	5.7	302	29.9	8.15	0	0	0		
2005-Mar-14	19:34								End Wash	
2005-Mar-14	19:34								End Spacer	
2005-Mar-14	19:34	5.7	293	30.2	8.15	0	0	0		
2005-Mar-14	19:34	5.7	316	32.5	8.22	0	0	0		
2005-Mar-14	19:34	5.7	320	33.9	8.30	0	0	0		
2005-Mar-14	19:34								Start Cement Slurry	
2005-Mar-14	19:34	5.7	330	34.1	8.35	0	0	0		
2005-Mar-14	19:34								Reset Total, Vol = 34.11 bbl	
2005-Mar-14	19:35	5.7	343	1.2	9.16	0	0	0		
2005-Mar-14	19:35								Reset Total, Vol = 2.38 bbl	
2005-Mar-14	19:35	5.7	302	2.4	10.00	0	0	0		
2005-Mar-14	19:35	5.7	320	1.7	10.69	0	0	0		
2005-Mar-14	19:36	5.7	362	4.6	11.78	0	0	0		
2005-Mar-14	19:36	5.7	366	7.4	12.96	0	0	0		
2005-Mar-14	19:37	5.7	334	10.3	12.97	0	0	0		
2005-Mar-14	19:37	5.7	334	13.1	13.90	0	0	0		
2005-Mar-14	19:38	5.7	348	16.0	13.99	0	0	0		
2005-Mar-14	19:38	5.7	343	18.9	14.03	0	0	0		
2005-Mar-14	19:39	5.7	330	21.7	13.95	0	0	0		
2005-Mar-14	19:39	5.7	307	24.6	13.75	0	0	0		
2005-Mar-14	19:40	5.7	311	27.4	13.91	0	0	0		
2005-Mar-14	19:40	5.7	288	30.3	13.53	0	0	0		
2005-Mar-14	19:41	5.7	320	33.1	13.81	0	0	0		
2005-Mar-14	19:41	5.7	311	36.0	14.01	0	0	0		
2005-Mar-14	19:42	5.7	316	38.9	14.05	0	0	0		
2005-Mar-14	19:42	5.7	362	41.7	14.25	0	0	0		
2005-Mar-14	19:43	5.7	343	44.6	13.94	0	0	0		
2005-Mar-14	19:43	5.7	330	47.4	13.85	0	0	0		
2005-Mar-14	19:44	5.7	320	50.3	13.81	0	0	0		
2005-Mar-14	19:44	5.7	316	53.1	13.74	0	0	0		
2005-Mar-14	19:45	5.7	339	56.1	13.98	0	0	0		
2005-Mar-14	19:45	5.7	357	59.0	14.09	0	0	0		

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Well		Field			Service Date		Customer			Job Number
HITCH 'C' #5		PANOMA GAS			0574-Mar-15		OXY USA, INC.			2205547756
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message	
	24 hr clock	bbbl/min	psi	bbbl	lb/gal	0	0	0		
2005-Mar-14	19:46	5.7	362	61.8	14.16	0	0	0	KCC JUL 06 2005 CONFIDENTIAL	
2005-Mar-14	19:46	5.7	339	64.7	14.04	0	0	0		
2005-Mar-14	19:47	5.7	339	67.5	13.91	0	0	0		
2005-Mar-14	19:47	5.7	343	70.4	13.82	0	0	0		
2005-Mar-14	19:48	5.7	320	73.2	13.77	0	0	0		
2005-Mar-14	19:48	5.7	316	76.1	13.82	0	0	0		
2005-Mar-14	19:49	5.7	330	79.0	13.83	0	0	0		
2005-Mar-14	19:49	5.7	316	81.8	13.66	0	0	0		
2005-Mar-14	19:50	5.7	311	84.7	13.85	0	0	0		
2005-Mar-14	19:50	5.7	316	87.5	13.88	0	0	0		
2005-Mar-14	19:51	5.7	330	90.4	13.82	0	0	0		
2005-Mar-14	19:51	5.7	339	93.2	13.80	0	0	0		
2005-Mar-14	19:52	5.7	330	96.1	13.81	0	0	0		
2005-Mar-14	19:52	5.7	316	99.0	13.77	0	0	0		
2005-Mar-14	19:53	5.7	334	101.8	13.78	0	0	0		
2005-Mar-14	19:53	5.8	330	104.7	13.68	0	0	0		
2005-Mar-14	19:54	5.5	266	107.5	13.20	0	0	0		
2005-Mar-14	19:54	0.0	18	108.5	10.45	0	0	0		
2005-Mar-14	19:55	0.0	18	108.5	12.30	0	0	0		
2005-Mar-14	19:55	0.0	23	108.5	13.00	0	0	0		
2005-Mar-14	19:56	0.0	60	108.5	13.24	0	0	0		
2005-Mar-14	19:56	0.0	27	108.5	11.21	0	0	0		
2005-Mar-14	19:57	0.0	82	108.5	9.05	0	0	0		
2005-Mar-14	19:57	6.5	330	110.6	9.63	0	0	0		
2005-Mar-14	19:58	6.6	266	113.9	8.03	0	0	0		
2005-Mar-14	19:58	6.6	183	117.2	7.77	0	0	0		
2005-Mar-14	19:59	6.6	334	120.5	8.36	0	0	0		
2005-Mar-14	19:59	6.6	325	123.8	8.29	0	0	0		
2005-Mar-14	20:00	0.0	23	126.0	8.26	0	0	0		
2005-Mar-14	20:00	0.0	18	126.0	7.80	0	0	0		
2005-Mar-14	20:01	1.6	60	126.1	8.30	0	0	0		
2005-Mar-14	20:01	5.7	124	128.6	8.32	0	0	0		
2005-Mar-14	20:02	5.7	114	131.4	8.32	0	0	0		
2005-Mar-14	20:02	5.7	114	134.3	8.32	0	0	0		
2005-Mar-14	20:02	5.7	114	134.6	8.32	0	0	0		
2005-Mar-14	20:02								End Cement Slurry	
2005-Mar-14	20:02	5.7	114	134.8	8.32	0	0	0		
2005-Mar-14	20:02								Drop Top Plug	
2005-Mar-14	20:02	5.7	114	134.9	8.32	0	0	0		
2005-Mar-14	20:02								Start Displacement	
2005-Mar-14	20:03	5.7	114	137.1	8.33	0	0	0		
2005-Mar-14	20:03	5.7	119	13.9	8.33	0	0	0		
2005-Mar-14	20:04	5.7	119	16.7	8.33	0	0	0		
2005-Mar-14	20:04	5.7	124	19.6	8.33	0	0	0		
2005-Mar-14	20:05	5.7	114	22.4	8.32	0	0	0		
2005-Mar-14	20:05	5.7	114	25.3	8.32	0	0	0		
2005-Mar-14	20:06	5.7	119	28.1	8.32	0	0	0		
2005-Mar-14	20:06	5.7	220	31.0	8.32	0	0	0		
2005-Mar-14	20:07	5.7	266	33.9	8.32	0	0	0		
2005-Mar-14	20:07	5.7	320	36.7	8.33	0	0	0		
2005-Mar-14	20:08	5.7	385	39.7	8.32	0	0	0		
2005-Mar-14	20:08	5.7	444	42.5	8.32	0	0	0		
2005-Mar-14	20:09	5.7	499	45.4	8.32	0	0	0		
2005-Mar-14	20:09	5.7	554	48.2	8.32	0	0	0		

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CONFIDENTIAL

ORIGINAL

Well		Field				Service Date		Customer		Job Number	
HITCH 'C' #5		PANOMA GAS				0574-Mar-15		OXY USA, INC.		2205547756	
Date	Time	CMT RATE	CMT TREAT PRES	CMT STG VOL	CMT DENS	0	0	0	Message		
	24 hr clock	bbbl/min	psi	bbbl	lb/gal	0	0	0			
2005-Mar-14	20:10	5.7	632	51.1	8.32	0	0	0	KCC JUL 06 2005		
2005-Mar-14	20:10	5.7	682	53.9	8.33	0	0	0			
2005-Mar-14	20:11	5.7	728	56.8	8.33	0	0	0	CONFIDENTIAL		
2005-Mar-14	20:11	5.7	792	59.7	8.32	0	0	0			
2005-Mar-14	20:12	2.5	650	61.7	8.32	0	0	0			
2005-Mar-14	20:12	2.5	687	62.9	8.32	0	0	0			
2005-Mar-14	20:13	2.5	719	64.2	8.32	0	0	0			
2005-Mar-14	20:13	2.5	751	65.4	8.32	0	0	0			
2005-Mar-14	20:14	2.5	801	66.7	8.32	0	0	0			
2005-Mar-14	20:14	0.0	1346	67.6	8.31	0	0	0			
2005-Mar-14	20:14	0.0	1387	67.6	8.31	0	0	0			
2005-Mar-14	20:14								Bump Top Plug		
2005-Mar-14	20:14								End Displacement		
2005-Mar-14	20:14	0.0	1373	67.6	8.32	0	0	0			
2005-Mar-14	20:15	0.0	961	67.6	8.33	0	0	0			
2005-Mar-14	20:15	0.0	18	67.6	8.15	0	0	0			
2005-Mar-14	20:15	0.0	23	67.6	8.17	0	0	0			
2005-Mar-14	20:15								End Job		

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6	0	0	6	110	0	30	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
1100		300	1100		bbbl	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			
%	110 bbl	67 bbl	°F				
Customer or Authorized Representative			Schlumberger Supervisor		<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed		
Willimon, Wes			Gonzales, Paul				

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