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

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 5447  
Name: OXY USA Inc.  
Address: P.O. Box 2528  
City/State/Zip: Liberal, KS 67905  
Purchaser: Duke Energy  
Operator Contact Person: Vicki Carder  
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: \_\_\_\_\_

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. \_\_\_\_\_  
04/27/06 04/29/06 05/22/06  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-22024-00-00  
County: Seward  
         -          - NW - NW Sec 30 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 A Well #: 3  
Field Name: Holt  
Producing Formation: Council Grove  
Elevation: Ground: 2966 Kelly Bushing: 2972  
Total Depth: 3216 Plug Back Total Depth: 3172  
Amount of Surface Pipe Set and Cemented at 663 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.

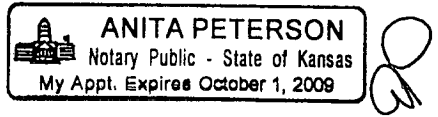
Drilling Fluid Management Plan ALT I with 8-22-07  
*(Data must be collected from the Reserve Pit)*  
Chloride content 2000 mg/l ppm Fluid volume 900 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp, \_\_\_\_\_ S. R.  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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

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

Signature: Vicki Carder  
Title: Capital Project Date 08/22/06  
Subscribed and sworn to before me this 22 day of Aug  
20 06  
Notary Public: Anita Peterson  
Date Commission Expires: Oct 1, 2009

KCC Office Use Only  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
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103190

Side Two

Operator Name: OXY USA Inc. Lease Name: Hitch A Well #: 3

Sec. 30 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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run:      CBL                      Neutron</p>	<table style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Hollenberg</td> <td>2604</td> <td>368</td> </tr> <tr> <td>Herington</td> <td>2632</td> <td>340</td> </tr> <tr> <td>Krider</td> <td>2668</td> <td>304</td> </tr> <tr> <td>Winfield</td> <td>2711</td> <td>261</td> </tr> <tr> <td>Towanda</td> <td>2758</td> <td>214</td> </tr> <tr> <td>Ft Riley</td> <td>2819</td> <td>153</td> </tr> <tr> <td>Council Grove</td> <td>2938</td> <td>34</td> </tr> <tr> <td colspan="3">(See Side Three)</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Hollenberg	2604	368	Herington	2632	340	Krider	2668	304	Winfield	2711	261	Towanda	2758	214	Ft Riley	2819	153	Council Grove	2938	34	(See Side Three)		
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Ft Riley	2819	153																													
Council Grove	2938	34																													
(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	12 1/4	8 5/8	24	663	C	140	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	11.6	3215	C	275	35/65 Poz + Additives
					H	180	50/50 Poz + Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2962-2989	Acidize-64 bbls 17% HCL-FE	
		Diverta Frac-15,208 gls WF115 Linear (Gel)	
		20,080# 100 Mesh Sand, 60,297 gls 75 QN2 WF115	
		Linear Gel, 108,400# 16/30 Sand	

TUBING RECORD	Size 2 3/8	Set At 3024	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. 06/30/06	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf 213	Water Bbls 129	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) \_\_\_\_\_

Side Three

Operator Name: OXY USA Inc. Lease Name: Hitch A Well #: 3

Sec. 30 Twp. 32S. R. 34W  East  West County: Seward

<u>Name</u>	<u>Top</u>	<u>Datum</u>
A1 LM	2947	25
B1 SH	2998	-26
B1 LM	3012	-40
B2 SH	3029	-57

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Schlumberger

Cementing Service Report

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Customer		OXY RESOURCE CALIFORNIA LLC		Job Number		2205551045			
Well		Location (legal)		Schlumberger Location		Job Start			
HITCH A 3		SEC 30-T32S-R34W		Perryton, TX		2006-Apr-27			
Field		Formation Name/Type		Deviation		Well TVD			
HOLT				12.3 in		664 ft			
County		State/Province		BHP		Pore Press. Gradient			
SEWARD		KANSAS		psi		psi/ft			
Well Master:		API / UWI:		Casing/Liner					
0630620258		15175220240000							
Rig Name		Drilled For		Service Via		Depth, ft			
CHEYENNE 11		Oil & Gas		Land		655.02			
Offshore Zone		Well Class		Well Type		Size, in			
		New		Development		8.63			
Drilling Fluid Type		Max. Density		Plastic Vt: cp		Weight, lb/ft			
		8.6 lb/gal		cp		24			
Service Line		Job Type		Depth, ft		Grade			
Cementing		Cem Surface Casing		12		LJ			
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		WellHead Connection		Tubing/Drill Pipe			
1500 psi		psi		8 5/8" H&SM					
Service Instructions		Top, ft		Bottom, ft		spf			
CEMENT 8 5/8" SURFACE CASING WITH:						No. of Shots			
10 BBL FRESH WATER						Total Interval			
140 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130						ft			
195 SK CLASS C + 2% S001 + 0.125 pps D130						Diameter			
						in			
		Treat Down		Displacement		Packer Type			
		Casing		39.8 bbl		Packer Depth			
		Tubing Vol.		Casing Vol.		Annular Vol.			
		bbl		42.52 bbl		49 bbl			
						OpenHole Vol			
						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: 200 psi		Shoe Type: Guide		Shoe Depth: 655 ft		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type:		Tool Type:			
No. Centralizers: Top Plugs: 1 Bottom Plugs:		Stage Tool Depth: ft		Tool Depth: ft					
Cement Head Type: Single		Collar Type: Auto-Fill		Tail Pipe Size: in					
Job Scheduled For: Arrived on Location: Leave Location:		Collar Depth: 613 ft		Tail Pipe Depth: ft					
4/27/2006 2006-Apr-27 19:00 2006-Apr-27		Sqz Total Vol: bbl							
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2006-Apr-27	20:22	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:23	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:23								Pressure Test Lines
2006-Apr-27	20:23	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:23	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:24	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:24								Start Pumping Spacer
2006-Apr-27	20:24	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:24	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:25	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:25	0	8.24	0.0	0.0	0	0	0	
2006-Apr-27	20:26	33	8.24	0.3	0.0	0	0	0	
2006-Apr-27	20:26	2146	8.24	0.0	0.2	0	0	0	
2006-Apr-27	20:27	18	8.24	0.0	0.2	0	0	0	
2006-Apr-27	20:27	50	8.22	0.0	0.2	0	0	0	
2006-Apr-27	20:28	71	8.24	3.7	1.4	0	0	0	
2006-Apr-27	20:28	89	8.22	4.8	3.7	0	0	0	
2006-Apr-27	20:29	79	8.24	4.8	6.1	0	0	0	
2006-Apr-27	20:29	82	8.24	4.8	8.5	0	0	0	
2006-Apr-27	20:30								Reset Total, Vol = 10.14 bbl
2006-Apr-27	20:30	84	8.50	4.8	10.1	0	0	0	
2006-Apr-27	20:30								Start Mixing Lead Slurry

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Well		Field			Service Date		Customer			Job Number
HITCH A #3		HOLT			06117-Apr-27		OXY RESOURCE CALIFORNIA LLC			2205551045
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Apr-27	20:30	84	8.63	4.8	0.2	0	0	0		
2006-Apr-27	20:30	86	9.09	4.8	0.2	0	0	0		
2006-Apr-27	20:30	108	10.04	4.8	2.6	0	0	0		
2006-Apr-27	20:31	115	10.86	4.8	5.0	0	0	0		
2006-Apr-27	20:31	121	11.40	4.9	7.4	0	0	0		
2006-Apr-27	20:32	122	11.88	4.9	9.8	0	0	0		
2006-Apr-27	20:32	128	12.39	4.9	12.3	0	0	0		
2006-Apr-27	20:33	129	12.86	4.9	14.7	0	0	0		
2006-Apr-27	20:33	122	12.66	4.9	17.2	0	0	0		
2006-Apr-27	20:34	115	12.11	4.9	19.6	0	0	0		
2006-Apr-27	20:34	101	11.87	4.9	22.1	0	0	0		
2006-Apr-27	20:35	99	12.03	4.9	24.5	0	0	0		
2006-Apr-27	20:35	96	12.23	4.9	27.0	0	0	0		
2006-Apr-27	20:36	93	12.34	5.0	29.5	0	0	0		
2006-Apr-27	20:36	107	12.27	5.9	32.1	0	0	0		
2006-Apr-27	20:37	100	12.25	5.5	34.8	0	0	0		
2006-Apr-27	20:37	99	12.08	5.5	37.6	0	0	0		
2006-Apr-27	20:38	94	11.94	5.4	40.3	0	0	0		
2006-Apr-27	20:38	94	11.89	5.5	43.0	0	0	0		
2006-Apr-27	20:39	96	11.95	5.5	45.8	0	0	0		
2006-Apr-27	20:39	95	12.05	5.5	48.5	0	0	0		
2006-Apr-27	20:40	100	12.07	5.5	51.3	0	0	0		
2006-Apr-27	20:40								Reset Total, Vol = 53.74 bbl	
2006-Apr-27	20:40	96	12.20	5.5	53.7	0	0	0		
2006-Apr-27	20:40								Start Mixing Tail Slurry	
2006-Apr-27	20:40	97	12.24	5.5	0.1	0	0	0		
2006-Apr-27	20:40	97	12.33	5.5	0.3	0	0	0		
2006-Apr-27	20:41	109	13.17	5.5	3.0	0	0	0		
2006-Apr-27	20:41	119	13.85	5.5	5.8	0	0	0		
2006-Apr-27	20:42	132	14.52	5.5	8.5	0	0	0		
2006-Apr-27	20:42	138	14.58	5.5	11.3	0	0	0		
2006-Apr-27	20:43	87	14.71	4.4	14.0	0	0	0		
2006-Apr-27	20:43	82	14.66	4.1	16.1	0	0	0		
2006-Apr-27	20:44	78	14.43	4.1	18.1	0	0	0		
2006-Apr-27	20:44	79	14.62	4.1	20.2	0	0	0		
2006-Apr-27	20:45	81	14.66	4.1	22.3	0	0	0		
2006-Apr-27	20:45	82	14.71	4.1	24.3	0	0	0		
2006-Apr-27	20:46	143	14.77	5.5	26.9	0	0	0		
2006-Apr-27	20:46	136	14.81	5.5	29.6	0	0	0		
2006-Apr-27	20:47	140	14.85	5.5	32.4	0	0	0		
2006-Apr-27	20:47	141	14.81	5.5	35.1	0	0	0		
2006-Apr-27	20:48	141	14.82	5.5	37.9	0	0	0		
2006-Apr-27	20:48	147	15.14	5.5	40.7	0	0	0		
2006-Apr-27	20:49	151	14.95	5.5	43.4	0	0	0		
2006-Apr-27	20:49	147	14.93	5.5	46.2	0	0	0		
2006-Apr-27	20:50	-5	13.91	0.0	47.8	0	0	0		
2006-Apr-27	20:50	-5	14.07	0.0	47.8	0	0	0		
2006-Apr-27	20:50								Reset Total, Vol = 47.85 bbl	
2006-Apr-27	20:50								Drop Top Plug	
2006-Apr-27	20:50	-5	14.12	0.0	0.0	0	0	0		
2006-Apr-27	20:50								Start Displacement	
2006-Apr-27	20:50	-5	14.17	0.0	0.0	0	0	0		
2006-Apr-27	20:50	-5	14.35	0.0	0.0	0	0	0		
2006-Apr-27	20:51	-9	14.36	0.0	0.0	0	0	0		

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Well		Field			Service Date		Customer			Job Number
HITCH A #3		HOLT			06117-Apr-27		OXY RESOURCE CALIFORNIA LLC			2205551045
Date	Time	Treating Pressure	Density	Triplex Rate	Triplex Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Apr-27	20:51	-9	13.50	0.0	0.0	0	0	0		
2006-Apr-27	20:52	-9	12.89	0.0	0.0	0	0	0		
2006-Apr-27	20:52	-4	12.21	0.0	0.0	0	0	0		
2006-Apr-27	20:53	82	9.25	5.8	0.4	0	0	0		
2006-Apr-27	20:53	55	8.38	4.0	2.9	0	0	0		
2006-Apr-27	20:54	49	8.19	4.0	4.8	0	0	0		
2006-Apr-27	20:54	54	8.24	3.9	6.8	0	0	0		
2006-Apr-27	20:55	51	8.29	4.0	8.8	0	0	0		
2006-Apr-27	20:55	73	8.39	3.9	10.8	0	0	0		
2006-Apr-27	20:56	73	8.39	4.0	12.7	0	0	0		
2006-Apr-27	20:56	89	8.24	4.0	14.7	0	0	0		
2006-Apr-27	20:57	109	8.24	4.0	16.7	0	0	0		
2006-Apr-27	20:57	123	8.28	4.0	18.7	0	0	0		
2006-Apr-27	20:58	140	8.28	4.0	20.7	0	0	0		
2006-Apr-27	20:58	153	8.27	4.0	22.6	0	0	0		
2006-Apr-27	20:59	163	8.24	4.0	24.6	0	0	0		
2006-Apr-27	20:59	149	8.24	4.0	26.6	0	0	0		
2006-Apr-27	21:00	159	8.25	4.0	28.6	0	0	0		
2006-Apr-27	21:00	179	8.24	4.0	30.6	0	0	0		
2006-Apr-27	21:01	187	8.24	3.0	32.1	0	0	0		
2006-Apr-27	21:01	178	8.25	1.8	33.4	0	0	0		
2006-Apr-27	21:02	187	8.24	1.8	34.4	0	0	0		
2006-Apr-27	21:02	191	8.24	1.9	35.3	0	0	0		
2006-Apr-27	21:03	196	8.24	1.9	36.2	0	0	0		
2006-Apr-27	21:03	202	8.24	1.9	37.2	0	0	0		
2006-Apr-27	21:04	209	8.24	1.9	38.1	0	0	0		
2006-Apr-27	21:04	687	8.24	0.0	38.4	0	0	0		
2006-Apr-27	21:05	662	8.24	0.0	38.4	0	0	0		
2006-Apr-27	21:05								Reset Total, Vol = 38.41 bbl	
2006-Apr-27	21:05								Bump Top Plug	
2006-Apr-27	21:05	661	8.24	0.0	0.0	0	0	0		
2006-Apr-27	21:05								Float holding	
2006-Apr-27	21:05	661	8.24	0.0	0.0	0	0	0		
2006-Apr-27	21:05	660	8.24	0.0	0.0	0	0	0		
2006-Apr-27	21:05	0	8.24	0.0	0.0	0	0	0		

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**Post Job Summary**

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4			5.8	101		10	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density	
200		100	660			bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	25 bbl
%	101 bbl		39.8 bbl	°F	<input type="checkbox"/> Washed Thru Perfs	To	ft
Customer or Authorized Representative			Schlumberger Supervisor				
Fillpot, Greg			Ousley, John		<input type="checkbox"/> Circulation Lost	<input checked="" type="checkbox"/> Job Completed	

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**Cementing Service Report**

Customer <b>OXY RESOURCE CALIFORNIA LLC</b>						Job Number <b>2205551047</b>				
Well <b>HITCH A 3</b>		Location (legal) <b>SEC 30-T32S-R34W</b>			Schlumberger Location <b>Perryton, TX</b>		Job Start <b>2006-Apr-29</b>			
Field <b>HOLT</b>		Formation Name/Type <b>Prod String</b>		Deviation <b>2 °</b>	Bit Size <b>7.88 in</b>	Well MD <b>3,216 ft</b>	Well TVD <b>3,216 ft</b>			
County <b>SEWARD</b>		State/Province <b>KANSAS</b>		BHP <b>psi</b>	BHST <b>112 °F</b>	BHCT <b>95 °F</b>	Pore Press. Gradient <b>psi/ft</b>			
Well Master: <b>0630620258</b>		API / UWI: <b>15175220240000</b>		Casing/Liner						
Rig Name <b>CHEYENNE 11</b>		Drilled For <b>Oil &amp; Gas</b>	Service Via <b>Land</b>		Depth, ft <b>3216</b>	Size, in <b>4.5</b>	Weight, lb/ft <b>11.6</b>	Grade <b>N80</b>	Thread <b>8RD</b>	
Offshore Zone		Well Class <b>New</b>	Well Type <b>Development</b>		Tubing/Drill Pipe					
Drilling Fluid Type <b>None</b>		Max. Density <b>9 lb/gal</b>	Plastic Viscosity <b>10 cp</b>		Depth,	Size, in	Weight, lb/ft	Grade	Thread	
Service Line <b>Cementing</b>		Job Type <b>Cem Prod Casing</b>			Perforations/Open Hole					
Max. Allowed Tubing Pressure <b>6224 psi</b>		Max. Allowed Ann. Pressure <b>1500 psi</b>	WellHead Connection <b>4 1/2" H&amp;SM</b>		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>	
Service Instructions <b>CEMENT 4 1/2" CASING WITH: 20 BBL CW100 275 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130 180 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.6%D112+ 0.25%D65+0.25%D46</b>					Treat Down <b>Casing</b>	Displacement <b>49.23 bbl</b>	Packer Type <b>None</b>	Packer Depth <b>0 ft</b>		
					Tubing Vol. <b>bbl</b>	Casing Vol. <b>49.91 bbl</b>	Annular Vol. <b>128.88 bbl</b>	OpenHole Vol <b>193.75 bbl</b>		
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>			Casing Tools		Squeeze Job			
Lift Pressure: <b>2349 psi</b>		Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input checked="" type="checkbox"/>			Shoe Type: <b>Float</b>		Squeeze Type
No. Centralizers: <b>20</b>		Top Plugs: <b>1</b>	Bottom Plugs: <b>0</b>		Shoe Depth: <b>3216 ft</b>		Tool Type:			
Cement Head Type: <b>Single</b>		Stage Tool Type: <b>None</b>			Tool Depth: <b>ft</b>					
Job Scheduled For: <b>4/29/2006 8:30</b>		Arrived on Location: <b>2006-Apr-29 8:10</b>	Leave Location: <b>2006-Apr-29 13:00</b>		Stage Tool Depth: <b>0 ft</b>		Tail Pipe Size: <b>in</b>			
					Collar Type: <b>Float</b>		Tail Pipe Depth: <b>ft</b>			
					Collar Depth: <b>3172.6 ft</b>		Sqz Total Vol: <b>bbl</b>			
<b>Date</b>	<b>Time</b>	<b>Volume</b>	<b>CMT TREAT PRES</b>	<b>CMT RATE</b>	<b>CMT DENS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Message</b>	
	<small>24 hr clock</small>	<small>bbl</small>	<small>psi</small>	<small>bbl/min</small>	<small>lb/gal</small>	<small>0</small>	<small>0</small>	<small>0</small>		
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08								Start Job	
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08								Safety meeting held	
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08								Pumping 20 bbls chem wash	
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08								Start Pumping Wash	
2006-Apr-29	11:08	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:08								No bottom plug used	
2006-Apr-29	11:09	0.0	22	0.0	8.33	0	0	0		
2006-Apr-29	11:11	0.0	45	0.0	8.40	0	0	0		
2006-Apr-29	11:12	5.7	146	4.8	8.36	0	0	0		
2006-Apr-29	11:14	12.9	178	4.9	8.35	0	0	0		
2006-Apr-29	11:15	19.3	13	0.0	8.35	0	0	0		
2006-Apr-29	11:17								Reset Total, Vol = 19.26 bbl	
2006-Apr-29	11:17	19.3	127	0.0	-6.25	0	0	0		
2006-Apr-29	11:17	19.3	118	0.0	-0.00	0	0	0		
2006-Apr-29	11:17	19.3	91	0.0	8.31	0	0	0		
2006-Apr-29	11:17								Reset Total, Vol = 0.00 bbl	
2006-Apr-29	11:17								Start Pumping Spacer	

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Well		Field		Service Date		Customer			Job Number
HITCH A #3		HOLT		06119-Apr-29		OXY RESOURCE CALIFORNIA LLC			2205551047
Date	Time	Volume	CMT TREAT PRES	CMT RATE	CMT DENS	0	0	0	Message
	24 hr clock	bbl	psi	bbl/min	lb/gal	0	0	0	
2006-Apr-29	11:17	0.0	86	0.0	8.33	0	0	0	
2006-Apr-29	11:17								Pressure Test Lines
2006-Apr-29	11:17	0.0	86	0.0	8.29	0	0	0	
2006-Apr-29	11:18	0.0	72	0.0	11.73	0	0	0	
2006-Apr-29	11:19	1.3	292	5.6	12.59	0	0	0	
2006-Apr-29	11:19								Start Mixing Lead Slurry
2006-Apr-29	11:20	7.5	255	6.0	12.35	0	0	0	
2006-Apr-29	11:21	16.4	159	5.8	12.27	0	0	0	
2006-Apr-29	11:23	25.1	168	5.8	12.15	0	0	0	
2006-Apr-29	11:24	33.8	178	5.8	12.46	0	0	0	
2006-Apr-29	11:26	42.6	168	5.8	12.33	0	0	0	
2006-Apr-29	11:27	51.3	168	5.8	12.53	0	0	0	
2006-Apr-29	11:29	60.0	155	5.8	12.21	0	0	0	
2006-Apr-29	11:30	68.7	164	5.8	12.37	0	0	0	
2006-Apr-29	11:32	77.5	159	5.8	12.28	0	0	0	
2006-Apr-29	11:33	86.2	155	5.8	12.24	0	0	0	
2006-Apr-29	11:35	95.1	150	5.8	12.22	0	0	0	
2006-Apr-29	11:35	97.3	173	5.8	12.67	0	0	0	
2006-Apr-29	11:35								End Lead Slurry
2006-Apr-29	11:35	97.6	178	5.8	12.72	0	0	0	
2006-Apr-29	11:35								Reset Total, Vol = 97.59 bbl
2006-Apr-29	11:36	6.1	228	5.7	13.62	0	0	0	
2006-Apr-29	11:38	14.6	237	5.6	13.93	0	0	0	
2006-Apr-29	11:39	23.1	251	5.7	14.01	0	0	0	
2006-Apr-29	11:41	31.6	242	5.7	13.98	0	0	0	
2006-Apr-29	11:42	40.1	251	5.7	13.91	0	0	0	
2006-Apr-29	11:44	47.8	132	3.1	13.49	0	0	0	
2006-Apr-29	11:44								Reset Total, Vol = 48.49 bbl
2006-Apr-29	11:44	48.5	306	6.8	13.48	0	0	0	
2006-Apr-29	11:44	0.3	320	6.9	13.48	0	0	0	
2006-Apr-29	11:44								End Tail Slurry
2006-Apr-29	11:44	0.6	333	7.0	13.48	0	0	0	
2006-Apr-29	11:44								Drop Top Plug
2006-Apr-29	11:44								Reset Total, Vol = 2.24 bbl
2006-Apr-29	11:44	2.2	22	0.0	2.65	0	0	0	
2006-Apr-29	11:45	0.0	8	0.0	9.04	0	0	0	
2006-Apr-29	11:47	0.0	8	0.0	8.92	0	0	0	
2006-Apr-29	11:48	0.0	77	0.0	8.73	0	0	0	
2006-Apr-29	11:50	0.0	17	0.0	8.48	0	0	0	
2006-Apr-29	11:51	0.5	72	3.0	8.42	0	0	0	
2006-Apr-29	11:53	7.3	86	5.2	8.34	0	0	0	
2006-Apr-29	11:53								Plug away by tattle tail
2006-Apr-29	11:53	7.7	81	5.2	8.34	0	0	0	
2006-Apr-29	11:53								Lines were flushed
2006-Apr-29	11:53	7.9	86	5.2	8.34	0	0	0	
2006-Apr-29	11:54	15.5	146	5.1	8.34	0	0	0	
2006-Apr-29	11:56	23.1	329	5.0	8.35	0	0	0	
2006-Apr-29	11:57	31.0	521	5.3	8.35	0	0	0	
2006-Apr-29	11:59	39.2	745	5.6	8.35	0	0	0	
2006-Apr-29	12:00	45.7	809	3.0	8.34	0	0	0	
2006-Apr-29	12:01	47.6	1121	0.0	8.35	0	0	0	
2006-Apr-29	12:01								Reset Total, Vol = 47.57 bbl
2006-Apr-29	12:01	0.0	1084	0.0	8.35	0	0	0	
2006-Apr-29	12:01								Bump Top Plug

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Well		Field			Service Date		Customer		Job Number	
HITCH A #3		HOLT			06119-Apr-29		OXY RESOURCE CALIFORNIA LLC		2205551047	
Date	Time	Volume	CMT TREAT PRES	CMT RATE	CMT DENS	0	0	0	Message	
	24 hr clock	bbbl	psi	bbbl/min	lb/gal	0	0	0		
2006-Apr-29	12:01	0.0	1111	0.0	8.35	0	0	0		
2006-Apr-29	12:01								End Displacement	
2006-Apr-29	12:02	0.0	1098	0.0	8.35	0	0	0		
2006-Apr-29	12:03	0.0	8	0.0	8.35	0	0	0		
2006-Apr-29	12:04								Floats good	
2006-Apr-29	12:04	0.0	8	0.0	8.35	0	0	0		
2006-Apr-29	12:04								End Job	
2006-Apr-29	12:04	0.0	8	0.0	8.35	0	0	0		
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5.4		0	0	6	157	0	20			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
800		243			bbbl	lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface? Volume 0 bbl <input type="checkbox"/> Washed Thru Perfs To ft						
0 %	157 bbl	49.24 bbl	60 °F							
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost <input checked="" type="checkbox"/> Job Completed				
Fillpot, Greg			Darrell, Knott,							

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Service Order

2006-Apr-29

Customer OXY RESOURCE CALIFORNIA LLC		Person Taking Call Pathak, Rakesh		Dowell Location Perryton, TX		OrderDate 2006-Apr-28		Job Number 2205551047				
Well Name and Number HITCH A 3			Legal Location SEC 30-T32S-R34		Field HOLT		County SEWARD		State/Province KANSAS			
Well Master: 0630620258			API / UWI: 15175220240000									
Rig Name CHEYENNE 11			Well Age New		Sales Engineer Cambren, Charles			Job Type Cem Prod Casing				
Time Well Ready: 4/29/2006 8:30 AM		Deviation 2 °		Bit Size 7.88 in		Well MD 3,216 ft		Well TVD 3,216 ft		BHP psi	BHST 112 °F	BHCT 95 °F
Treat Down Casing		Packer Type None		Packer Depth 0 ft		WellHead Connection 4 1/2" H&SM		HHP on Location		Max Allowed Pressure 6224		Max Allowed Ann Pressure 1500
<b>Casing</b>					<b>Services Instructions:</b> CEMENT 4 1/2" CASING WITH: 20 BBL CW100 275 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130 180 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.6%D112+ 0.25%D65+0.25%D46							
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread								
3216	4.5	11.6	N80	8RD								
<b>Tubing</b>					<b>Extra Equipment:</b> 1 CemCAT 2 ABT 1 PUMP							
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								
<b>Expected On Location:</b> 4/29/2006 8:30 AM <b>Ready To Pump:</b> 4/29/2006 8:30 AM												

Contact	Voice	Mobile	FAX	Notes
Greg Fillpot		620-353-8669		
Noel Perez	Rig-620-272-6935	Cell-620-271-4957		

**Notes:**  
 TAKE ONE 4 1/2" TOP PLASTIC PLUG

**Directions:**  
 PEX: TAKE HWY 83 N TO LIBERAL, GO ON THE LOOP RD TO NORTH OF TOWN, GO 7 MI TO HWY 51, T/L (WEST) GO 7 MI TO MARTENEY RD, T/R (NORTH) FOR 5 MI, T/L FOR 7/8 MI, T/L (SOUTH) FOR 1/8 MI, T/L (EAST) INTO

**Other Notes:**  
 Arrived location early. Spotted equipment. Rigged and waited for casing run to finish. Rigged on PLH for rig to circulate through. Held safety meeting after mud was conditioned. Rigged on treating line and pumped 20bbls chem wash. Ptested to 2000 Psi.

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**Comments:**

Pumped 107bbbls lead. Pumped 50 bbbls tail. Dropped top plug @ 11:44 and displaced with 49.25 bbbls water. Landed top plug @ 12:01 . No cement to surface.

Material	Description	Quantity Needed
56702044	Plug, Cementing 4 1/2 In Top Plastic	1 EA
D020	Bentonite Extender D20	1805 LB
D042	KOLITE Lost Circulation Additive D42	898 LB
D046	Antifoam Agent, All Purpose D46	39 LB
D053	Cement Agent D53	898 LB
D065	Dispersant, TIC D65	39 LB
D112	FLAC (R), Fluid Loss Additive D112	94 LB
D130	Polyester Flake D130	70 LB
D132	Extender, Cement D132	188 CF
D827	Chemical Wash CW100 D827	20 BL
D903	Cement, Class C D903	180 CF
D909	Cement, Class H D909	91 CF
M117	Potassium Chloride M117	319 LB
S001	Calcium Chloride 77% S1	490 LB

**Fluid Systems:**

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

LEAD			
275 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.25 pps D130			
<i>Density:</i>	12.2 lb/gal	<i>Thickening Time:</i>	
<i>Yield:</i>	2.18 ft <sup>3</sup> /sk		
<i>H2O Mix:</i>	12.395 gal/sk		
<i>H2O:</i>	3408.63 gal	<i>Eq. Sack Weight:</i>	88.9 lb
		<i>Total Blend:</i>	275 sacks
Dowell Code	Conc/ Amount	Total Quantity	
CLASS C	61.1 lbs/sk	16802.5	
D130	0.25 lbs/sk	68.75	
S001	1.778 lbs/sk	488.95	
D132	27.8 lbs/sk	7645	
D020	5.334 lbs/sk	1466.85	

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**TAIL**

180 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps  
D53+0.6%D112+ 0.25%D65+0.25%D46

Density: 13.8 lb/gal    Thickening Time:  
Yield: 1.55 ft<sup>3</sup>/sk  
H2O Mix: 7.1 gal/sk  
H2O: 1278 gal    Eq. Sack Weight: 86.5 lb  
Total Blend: 180 sacks

Dowell Code	Conc/ Amount	Total Quantity
D112	0.519 lbs/sk	93.42
D042	5 lbs/sk	900
D046	0.216 lbs/sk	38.88
D132	39.5 lbs/sk	7110
D020	1.73 lbs/sk	311.4
M117	1.77 lbs/sk	318.6
D053	5 lbs/sk	900
D065	0.216 lbs/sk	38.88
Class H	47 lbs/sk	8460

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