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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: Pending
 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 SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
03/02/06 03/04/06 05/10/06
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 175-22021-0b-00
 County: Seward
C - SW - SW Sec 8 Twp. 32 S. R. 34W
750 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: Sloan A Well #: 4
 Field Name: Holt
 Producing Formation: Council Grove
 Elevation: Ground: 2949 Kelly Bushing: 2956
 Total Depth: 3110 Plug Back Total Depth: 3066
 Amount of Surface Pipe Set and Cemented at 643 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 6-28-07
 (Data must be collected from the Reserve Pit)
 Chloride content 8400 mg/l ppm Fluid volume 900 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite:
 Operator Name: _____
 Lease Name: RECEIVED License No.: _____
 Quarter JUN 29 2006 S. R. East West
 County: _____ Docket No.: _____
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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 06/28/06
 Subscribed and sworn to before me this 28 day of June
20 06
 Notary Public: Anita Peterson
 Date Commission Expires: Oct. 1, 2009

ANITA PETERSON
 Notary Public - State of Kansas
 My Appt. Expires October 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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Operator Name: OXY USA Inc. Lease Name: Sloan A Well #: 4
 Sec. 8 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hollenberg	2617	339
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2642	314
List All E. Logs Run:	CBL Neutron	Krider	2678	278
		Winfield	2721	235
		Towanda	2773	183
		Ft. Riley	2842	114
		Council Grove	2956	0
		(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	643	C	155	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	4 1/2	11.6	3110	C	270	35/65 Poz C + Additives
					H	260	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	2980-3000	Acidize-500 gls 15% HCL	
		Diverta Frac- 14,670 gls WF115 linear gel	
		20,180# 100 Sand, 59,996 gls 75QN2	
		WF115 linear gel, 92,240# 16/30 Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	3015		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
Pending	<input type="checkbox"/> Flowing <input checked="" 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) _____

Side Three

Operator Name: OXY USA Inc. Lease Name: Sloan A Well #: 4

Sec. 8 Twp. 32 S. R. 34W East West County: Seward

<u>Name</u>	<u>Top</u>	<u>Datum</u>
A1 LM	2967	-11
B1 SH	3017	-61
B1 LM	3028	-72
B2 SH	3050	-94

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Cementing Service Report

Customer OXY USA, INC.	Job Number 2205549262
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Well SLOAN 'A' 4		Location (legal) Sec 8-T32S-R34W		Schlumberger Location Perryton, TX		Job Start 2006-Mar-04					
Field HOLT		Formation Name/Type Clean-Sandstone		Deviation °		Bit Size 7.78 in	Well MD 3,110 ft	Well TVD 3,110 ft			
County SEWARD		State/Province KANSAS		BHP psi	BHST 111 °F	BHCT 89 °F	Pore Press. Gradient psi/ft				
Well Master: 0630768898		API / UWI:		Casing/Liner							
Rig Name CHEYENNE 8	Drilled For Gas	Service Via Land		Depth, ft 3106	Size, in 4.5	Weight, lb/ft 11.6	Grade	Thread			
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe							
Drilling Fluid Type		Max. Density 9 lb/gal	Plastic Vi: cp	Depth,	Size, in	Weight, lb/ft	Grade	Thread			
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	Total Interval ft			
Service Instructions CEMENT 4 1/2 PRODUCTION CASING WITH: 20 bbls CW100 270 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 260 SK 50/50 POZ:H+2%D20+3%M117+5 pps D42+5 pps D53+0.25%D112+ 0.25%D65+0.25%D46				Diameter in	Treat Down Casing	Displacement 47.6 bbl	Packer Type	Packer Depth ft			
				Tubing Vol. bbl	Casing Vol. 48.3 bbl	Annular Vol. 126 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: 900 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide		Squeeze Type			
No. Centralizers: Top Plugs: 1		Bottom Plugs:		Shoe Depth: 3106 ft		Tool Type:					
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft		Tail Pipe Size: in					
Job Scheduled For: 2006-Mar-04 22:00		Arrived on Location: 2006-Mar-05 2:00		Leave Location:		Collar Type: Auto-Fill		Tail Pipe Depth: ft			
				Collar Depth: 3061 ft		Sqz Total Vol: bbl					

Date	Time	Treating Pressure psi	Density lb/gal	Rate bbl/min	Volume bbl	0	0	0	Message
2006-Mar-04	23:32	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:32								Pressure Test Lines
2006-Mar-04	23:32	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:33	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:33	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:34	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:34	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:35	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:35	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:36	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:36	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:37	0	8.35	0.0	0.0	0	0	0	
2006-Mar-04	23:37	69	8.35	1.1	0.1	0	0	0	
2006-Mar-04	23:38	19	0.02	3.7	0.9	0	0	0	
2006-Mar-04	23:38	79	-0.00	0.0	1.7	0	0	0	
2006-Mar-04	23:39	0	8.35	0.0	1.7	0	0	0	
2006-Mar-04	23:39	0	8.32	0.0	1.7	0	0	0	
2006-Mar-04	23:40	84	8.35	0.0	1.7	0	0	0	
2006-Mar-04	23:40	2113	8.35	0.0	1.8	0	0	0	
2006-Mar-04	23:41	2659	8.35	0.0	1.8	0	0	0	
2006-Mar-04	23:41	18	8.35	0.0	1.8	0	0	0	
2006-Mar-04	23:42								Start Pumping Wash

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Well			Field			Service Date		Customer			Job Number
SLOAN 'A' #4			HOLT			0663-Mar-04		OXY USA, INC.			2205549262
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message		
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0			
2006-Mar-04	23:42	18	8.35	0.0	0.0	0	0	0			
2006-Mar-04	23:42	60	8.35	0.0	0.0	0	0	0			
2006-Mar-04	23:42	149	8.34	4.6	1.4	0	0	0			
2006-Mar-04	23:43	163	8.35	5.2	3.9	0	0	0			
2006-Mar-04	23:43	172	8.35	5.3	6.5	0	0	0			
2006-Mar-04	23:44	181	8.35	5.3	9.2	0	0	0			
2006-Mar-04	23:44	181	8.35	5.4	11.9	0	0	0			
2006-Mar-04	23:45	192	8.35	5.4	14.5	0	0	0			
2006-Mar-04	23:45	212	8.35	5.4	17.3	0	0	0			
2006-Mar-04	23:46	219	8.35	5.5	20.0	0	0	0			
2006-Mar-04	23:46	217	8.37	5.5	22.7	0	0	0			
2006-Mar-04	23:47	224	8.35	5.6	25.5	0	0	0			
2006-Mar-04	23:47	220	9.14	5.0	26.7	0	0	0			
2006-Mar-04	23:47								Reset Total, Vol = 26.71 bbl		
2006-Mar-04	23:47	215	9.28	5.0	0.2	0	0	0			
2006-Mar-04	23:47								Start Mixing Lead Slurry		
2006-Mar-04	23:47	214	10.16	5.0	1.4	0	0	0			
2006-Mar-04	23:48	231	12.14	5.0	3.9	0	0	0			
2006-Mar-04	23:48	219	12.32	5.0	6.4	0	0	0			
2006-Mar-04	23:49	197	12.52	5.0	8.9	0	0	0			
2006-Mar-04	23:49	172	12.75	5.0	11.5	0	0	0			
2006-Mar-04	23:50	138	11.95	5.1	14.0	0	0	0			
2006-Mar-04	23:50	118	12.32	5.1	16.5	0	0	0			
2006-Mar-04	23:51	111	12.29	5.1	19.1	0	0	0			
2006-Mar-04	23:51	112	12.39	5.1	21.6	0	0	0			
2006-Mar-04	23:52	109	12.29	5.1	24.2	0	0	0			
2006-Mar-04	23:52	110	12.71	5.1	26.7	0	0	0			
2006-Mar-04	23:53	112	12.34	5.1	29.3	0	0	0			
2006-Mar-04	23:53	110	12.34	5.1	31.8	0	0	0			
2006-Mar-04	23:54	111	12.50	5.1	34.4	0	0	0			
2006-Mar-04	23:54	115	12.55	5.2	37.0	0	0	0			
2006-Mar-04	23:55	117	12.56	5.2	39.5	0	0	0			
2006-Mar-04	23:55	116	12.34	5.2	42.1	0	0	0			
2006-Mar-04	23:56	114	12.46	5.2	44.8	0	0	0			
2006-Mar-04	23:56	118	12.62	5.2	47.4	0	0	0			
2006-Mar-04	23:57	119	12.11	5.3	50.0	0	0	0			
2006-Mar-04	23:57	108	11.70	5.4	52.7	0	0	0			
2006-Mar-04	23:58	111	11.92	5.3	55.3	0	0	0			
2006-Mar-04	23:58	114	12.11	5.4	58.0	0	0	0			
2006-Mar-04	23:59	118	12.19	5.3	60.7	0	0	0			
2006-Mar-04	23:59	117	12.23	5.4	63.3	0	0	0			
2006-Mar-05	0:00	117	12.24	5.3	66.0	0	0	0			
2006-Mar-05	0:00	87	12.26	5.4	68.7	0	0	0			
2006-Mar-05	0:01	108	12.27	5.4	71.4	0	0	0			
2006-Mar-05	0:01	94	12.27	5.4	74.1	0	0	0			
2006-Mar-05	0:02	119	12.23	5.4	76.8	0	0	0			
2006-Mar-05	0:02	119	12.14	5.4	79.5	0	0	0			
2006-Mar-05	0:03	114	11.96	5.3	82.1	0	0	0			
2006-Mar-05	0:03	116	12.31	5.3	84.8	0	0	0			
2006-Mar-05	0:04	116	11.53	5.4	87.5	0	0	0			
2006-Mar-05	0:04	114	12.22	5.4	90.2	0	0	0			
2006-Mar-05	0:05	121	12.06	5.4	92.9	0	0	0			
2006-Mar-05	0:05	108	12.16	5.3	95.5	0	0	0			
2006-Mar-05	0:06	116	12.71	5.3	97.1	0	0	0			

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Well		Field			Service Date		Customer		Job Number
SLOAN 'A' #4		HOLT			0663-Mar-04		OXY USA, INC.		2206549262
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0	
2006-Mar-05	0:06								Reset Total, Vol = 97.14 bbl
2006-Mar-05	0:06								Start Mixing Tail Slurry
2006-Mar-05	0:06	117	12.78	5.3	0.3	0	0	0	
2006-Mar-05	0:06	117	12.99	5.3	1.1	0	0	0	
2006-Mar-05	0:06	136	13.53	5.3	3.7	0	0	0	
2006-Mar-05	0:07	165	14.34	5.3	6.4	0	0	0	
2006-Mar-05	0:07	187	14.75	5.3	9.0	0	0	0	
2006-Mar-05	0:08	194	14.35	5.3	11.7	0	0	0	
2006-Mar-05	0:08	161	13.89	5.3	14.4	0	0	0	
2006-Mar-05	0:09	155	13.72	5.3	17.0	0	0	0	
2006-Mar-05	0:09	148	13.67	5.3	19.7	0	0	0	
2006-Mar-05	0:10	157	13.94	5.3	22.3	0	0	0	
2006-Mar-05	0:10	149	13.53	5.3	25.0	0	0	0	
2006-Mar-05	0:11	149	13.78	5.3	27.6	0	0	0	
2006-Mar-05	0:11	154	13.50	5.3	30.3	0	0	0	
2006-Mar-05	0:12	140	12.69	5.3	32.9	0	0	0	
2006-Mar-05	0:12	145	13.89	5.3	35.6	0	0	0	
2006-Mar-05	0:13	175	14.49	5.3	38.2	0	0	0	
2006-Mar-05	0:13	175	14.36	5.3	40.9	0	0	0	
2006-Mar-05	0:14	165	13.82	5.3	43.5	0	0	0	
2006-Mar-05	0:14	154	13.66	5.3	46.1	0	0	0	
2006-Mar-05	0:15	154	13.87	5.3	48.8	0	0	0	
2006-Mar-05	0:15	160	13.67	5.3	51.4	0	0	0	
2006-Mar-05	0:16	140	13.44	5.3	54.0	0	0	0	
2006-Mar-05	0:16	142	13.85	5.2	56.6	0	0	0	
2006-Mar-05	0:17	162	14.23	5.2	59.3	0	0	0	
2006-Mar-05	0:17	160	13.95	5.2	61.9	0	0	0	
2006-Mar-05	0:18	151	13.74	5.2	64.5	0	0	0	
2006-Mar-05	0:18	157	13.75	5.2	67.1	0	0	0	
2006-Mar-05	0:19	126	13.95	3.6	69.5	0	0	0	
2006-Mar-05	0:19	134	13.65	4.9	71.8	0	0	0	
2006-Mar-05	0:19	-14	13.13	0.0	72.0	0	0	0	
2006-Mar-05	0:19								Reset Total, Vol = 72.01 bbl
2006-Mar-05	0:19	-14	13.35	0.0	0.0	0	0	0	
2006-Mar-05	0:19								Wash Pump & Lines
2006-Mar-05	0:20	-14	13.53	0.0	0.0	0	0	0	
2006-Mar-05	0:20	-14	13.27	0.0	0.0	0	0	0	
2006-Mar-05	0:21	-5	12.98	0.0	0.0	0	0	0	
2006-Mar-05	0:21	268	8.48	5.2	1.6	0	0	0	
2006-Mar-05	0:22	191	8.51	5.2	4.2	0	0	0	
2006-Mar-05	0:22	194	8.42	5.2	6.8	0	0	0	
2006-Mar-05	0:23	192	8.38	5.2	9.4	0	0	0	
2006-Mar-05	0:23	191	8.34	5.2	12.0	0	0	0	
2006-Mar-05	0:24	-5	8.37	0.0	12.8	0	0	0	
2006-Mar-05	0:24	-9	8.37	0.0	12.8	0	0	0	
2006-Mar-05	0:25	-9	8.38	0.0	0.0	0	0	0	
2006-Mar-05	0:25	-9	8.38	0.0	0.0	0	0	0	
2006-Mar-05	0:25	-9	8.38	0.0	0.0	0	0	0	
2006-Mar-05	0:25								Drop Top Plug
2006-Mar-05	0:25	-9	8.38	0.0	0.0	0	0	0	
2006-Mar-05	0:25								Start Displacement
2006-Mar-05	0:26	-9	8.38	0.0	0.0	0	0	0	
2006-Mar-05	0:26	69	8.31	0.0	0.0	0	0	0	
2006-Mar-05	0:27	63	8.35	3.7	0.9	0	0	0	

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Well		Field			Service Date		Customer			Job Number
SLOAN 'A' #4		HOLT			0663-Mar-04		OXY USA, INC.			2205549262
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0		
2006-Mar-05	0:27	59	8.35	3.7	2.8	0	0	0		
2006-Mar-05	0:28	95	8.35	3.7	4.6	0	0	0		
2006-Mar-05	0:28	124	8.35	4.0	6.8	0	0	0		
2006-Mar-05	0:29	157	8.36	4.5	9.0	0	0	0		
2006-Mar-05	0:29	237	8.36	5.0	11.4	0	0	0		
2006-Mar-05	0:30	303	8.35	5.0	13.9	0	0	0		
2006-Mar-05	0:30	361	8.35	5.0	16.4	0	0	0		
2006-Mar-05	0:31	421	8.36	5.0	18.9	0	0	0		
2006-Mar-05	0:31	487	8.36	5.1	21.4	0	0	0		
2006-Mar-05	0:32	540	8.35	5.1	24.0	0	0	0		
2006-Mar-05	0:32	596	8.35	5.1	26.5	0	0	0		
2006-Mar-05	0:33	658	8.35	5.1	29.1	0	0	0		
2006-Mar-05	0:33	718	8.35	5.1	31.6	0	0	0		
2006-Mar-05	0:34	724	8.35	3.7	34.0	0	0	0		
2006-Mar-05	0:34	721	8.35	2.8	35.5	0	0	0		
2006-Mar-05	0:35	748	8.35	2.8	36.9	0	0	0		
2006-Mar-05	0:35	772	8.35	2.8	38.3	0	0	0		
2006-Mar-05	0:36	803	8.35	2.8	39.7	0	0	0		
2006-Mar-05	0:36	830	8.35	2.8	41.1	0	0	0		
2006-Mar-05	0:37	853	8.35	2.3	42.5	0	0	0		
2006-Mar-05	0:37	866	8.35	2.2	43.6	0	0	0		
2006-Mar-05	0:38	886	8.35	2.3	44.8	0	0	0		
2006-Mar-05	0:38	2025	8.35	0.0	45.2	0	0	0		
2006-Mar-05	0:39	1976	8.35	0.0	45.2	0	0	0		
2006-Mar-05	0:39	1976	8.35	0.0	45.2	0	0	0		
2006-Mar-05	0:39								Bump Top Plug	
2006-Mar-05	0:39								Reset Total, Vol = 45.18 bbl	
2006-Mar-05	0:39	1977	8.35	0.0	45.2	0	0	0		
2006-Mar-05	0:39	1977	8.35	0.0	0.0	0	0	0		
2006-Mar-05	0:40	1094	8.35	0.0	0.0	0	0	0		
2006-Mar-05	0:40	-14	8.35	0.0	0.0	0	0	0		
2006-Mar-05	0:40								Float Holding	
2006-Mar-05	0:40	-14	8.35	0.0	0.0	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		
4				5.6	177		20			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume			Density		
900		200	2000		bbl			8.34 lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume			10 bbl		
%	177 bbl		47.5 bbl	°F	<input type="checkbox"/> Washed Thru Perfs To			ft		
Customer or Authorized Representative				Schlumberger Supervisor						
Hanna, Rusty				Ousley, John			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	

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Customer OXY USA, INC.	Job Number 2205549259
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Well SLOAN 'A' 4		Location (legal) Sec 8-T32S-R34W		Schlumberger Location Perryton, TX		Job Start 2006-Mar-03			
Field HOLT		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 644 ft	Well TVD 644 ft	
County SEWARD		State/Province KANSAS		BHP psi	BHST 86 °F	BHCT 80 °F	Pore Press. Gradient psi/ft		
Well Master: 0630768898		API / UWI: 15175220210000		Casing/Liner					
Rig Name CHEYENNE 8	Drilled For Gas	Service Via Land		Depth, ft 647	Size, in 8.63	Weight, lb/ft 24	Grade K55	Thread 8RD	
Offshore Zone	Well Class New	Well Type Development		Tubing/Drill Pipe					
Drilling Fluid Type Bentonite		Max. Density 9 lb/gal	Plastic Viscosity 35 cp	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 155 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029				Diameter in	Treat Down Casing	Displacement 38 bbl	Packer Type	Packer Depth ft	
Tubing Vol. bbl	Casing Vol. 41 bbl	Annular Vol. 47 bbl	Open Hole Vol. 94 bbl						
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure: 265 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Auto-Fill	Squeeze Type		
No. Centralizers: 5		Top Plugs: 1	Bottom Plugs:		Shoe Depth: 647 ft	Tool Type:			
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft					
Job Scheduled For: 2006-Mar-03 0:00		Arrived on Location: 2006-Mar-03 0:00	Leave Location: 2006-Mar-03 4:30		Stage Tool Depth: ft	Tall Pipe Size: in			
				Collar Type: Auto-Fill	Tall Pipe Depth: ft				
				Collar Depth: 601 ft	Sqz Total Vol: bbl				
Date	Time	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	CMT STG VOL bbl	CMT VOL bbl	0	0	Message
2006-Mar-03	2:50	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:51								Start Job
2006-Mar-03	2:51	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:51								Pressure Test Lines
2006-Mar-03	2:51	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:51	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:51	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:52	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:52								Start Water Ahead
2006-Mar-03	2:52	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:52	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	2:53	32	2.6	8.36	1.2	1.2	0	0	
2006-Mar-03	2:53	41	0.3	8.35	2.4	2.4	0	0	
2006-Mar-03	2:54	1447	0.0	8.35	2.4	2.4	0	0	
2006-Mar-03	2:54	9	0.0	8.35	2.4	2.4	0	0	
2006-Mar-03	2:55	60	3.9	8.35	3.5	3.5	0	0	
2006-Mar-03	2:55	133	5.3	8.32	5.6	5.6	0	0	
2006-Mar-03	2:56	133	5.1	8.32	8.2	8.2	0	0	
2006-Mar-03	2:56	128	5.2	8.33	10.8	10.8	0	0	
2006-Mar-03	2:57	137	5.4	8.41	13.1	13.1	0	0	
2006-Mar-03	2:57								Reset Total, Vol = 13.05 bbl
2006-Mar-03	2:57								Start Mixing Lead Slurry

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Well		Field			Service Date		Customer		Job Number
SLOAN 'A' #4		HOLT			0662-Mar-03		OXY USA, INC.		2205549259
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl	0	0	
2006-Mar-03	2:57	128	5.4	8.41	0.2	0.2	0	0	
2006-Mar-03	2:57	137	5.3	8.41	0.4	0.4	0	0	
2006-Mar-03	2:57	151	5.6	9.28	3.2	3.2	0	0	
2006-Mar-03	2:58	142	5.3	10.21	6.0	6.0	0	0	
2006-Mar-03	2:58	151	5.1	11.33	8.5	8.5	0	0	
2006-Mar-03	2:59	160	5.1	11.94	11.0	11.0	0	0	
2006-Mar-03	2:59	160	5.1	12.24	13.6	13.6	0	0	
2006-Mar-03	3:00	156	5.2	12.39	16.2	16.2	0	0	
2006-Mar-03	3:00	151	5.2	12.43	18.8	18.8	0	0	
2006-Mar-03	3:01	151	5.3	12.35	21.5	21.5	0	0	
2006-Mar-03	3:01	151	5.4	12.27	24.1	24.1	0	0	
2006-Mar-03	3:02	146	5.4	12.26	26.8	26.8	0	0	
2006-Mar-03	3:02	151	5.4	12.26	29.5	29.5	0	0	
2006-Mar-03	3:03	151	5.4	12.25	32.2	32.2	0	0	
2006-Mar-03	3:03	151	5.5	12.29	34.9	34.9	0	0	
2006-Mar-03	3:04	156	5.6	12.29	37.7	37.7	0	0	
2006-Mar-03	3:04	156	5.6	12.27	40.5	40.5	0	0	
2006-Mar-03	3:05	146	5.5	12.22	43.3	43.3	0	0	
2006-Mar-03	3:05	146	5.5	12.21	46.0	46.0	0	0	
2006-Mar-03	3:06	137	5.6	12.18	48.8	48.8	0	0	
2006-Mar-03	3:06	142	5.5	12.14	51.5	51.5	0	0	
2006-Mar-03	3:07	137	5.5	12.12	54.3	54.3	0	0	
2006-Mar-03	3:07	142	5.6	12.12	57.1	57.1	0	0	
2006-Mar-03	3:08	142	5.6	12.18	59.9	59.9	0	0	
2006-Mar-03	3:08	133	5.6	12.11	62.7	62.7	0	0	
2006-Mar-03	3:09	69	4.1	11.96	65.5	65.5	0	0	
2006-Mar-03	3:09	64	3.9	12.86	66.9	66.9	0	0	
2006-Mar-03	3:09								Reset Total, Vol = 66.87 bbl
2006-Mar-03	3:09								End Lead Slurry
2006-Mar-03	3:09	64	4.0	13.09	0.3	0.3	0	0	
2006-Mar-03	3:09	69	4.0	13.27	0.6	0.6	0	0	
2006-Mar-03	3:09								Start Mixing Tail Slurry
2006-Mar-03	3:09	64	4.0	13.34	0.7	0.7	0	0	
2006-Mar-03	3:10	73	3.9	14.20	2.6	2.6	0	0	
2006-Mar-03	3:10	73	3.9	14.72	4.5	4.5	0	0	
2006-Mar-03	3:11	73	3.8	14.75	6.4	6.4	0	0	
2006-Mar-03	3:11	78	3.8	14.97	8.3	8.3	0	0	
2006-Mar-03	3:12	73	3.8	14.84	10.2	10.2	0	0	
2006-Mar-03	3:12	73	3.7	14.78	12.1	12.1	0	0	
2006-Mar-03	3:13	82	3.8	15.16	14.0	14.0	0	0	
2006-Mar-03	3:13	82	3.9	14.91	16.0	16.0	0	0	
2006-Mar-03	3:14	82	4.0	14.88	17.9	17.9	0	0	
2006-Mar-03	3:14	169	5.5	14.84	20.3	20.3	0	0	
2006-Mar-03	3:15	183	5.6	14.91	23.0	23.0	0	0	
2006-Mar-03	3:15	160	5.1	15.04	25.6	25.6	0	0	
2006-Mar-03	3:16	179	5.5	15.12	28.3	28.3	0	0	
2006-Mar-03	3:16	174	5.4	15.10	31.1	31.1	0	0	
2006-Mar-03	3:17	174	5.4	15.11	33.8	33.8	0	0	
2006-Mar-03	3:17	197	5.5	14.99	36.5	36.5	0	0	
2006-Mar-03	3:18	192	5.9	14.68	39.4	39.4	0	0	
2006-Mar-03	3:18	183	6.0	14.56	42.4	42.4	0	0	
2006-Mar-03	3:19	114	4.5	15.02	45.0	45.0	0	0	
2006-Mar-03	3:19	-14	0.3	14.66	47.0	47.0	0	0	
2006-Mar-03	3:19								Reset Total, Vol = 46.96 bbl

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Well		Field			Service Date		Customer		Job Number
SLOAN 'A' #4		HOLT			0662-Mar-03		OXY USA, INC.		2205549259
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf	0	0	
2006-Mar-03	3:19	-14	0.1	14.75	0.0	0.0	0	0	
2006-Mar-03	3:19								End Tail Slurry
2006-Mar-03	3:19	-14	0.3	4.62	0.0	0.0	0	0	
2006-Mar-03	3:19								Start Displacement
2006-Mar-03	3:20	-14	0.0	0.01	0.1	0.1	0	0	
2006-Mar-03	3:20	-14	0.0	15.00	0.1	0.1	0	0	
2006-Mar-03	3:21	-14	0.0	14.75	0.1	0.1	0	0	
2006-Mar-03	3:21	-14	0.0	14.32	0.1	0.1	0	0	
2006-Mar-03	3:22	-14	0.0	13.67	0.1	0.1	0	0	
2006-Mar-03	3:22	-14	0.0	13.41	0.1	0.1	0	0	
2006-Mar-03	3:23	-14	0.0	12.85	0.1	0.1	0	0	
2006-Mar-03	3:23	-14	0.0	11.53	0.1	0.1	0	0	
2006-Mar-03	3:24	-9	0.0	10.62	0.1	0.1	0	0	
2006-Mar-03	3:24	-9	0.0	10.05	0.1	0.1	0	0	
2006-Mar-03	3:25	-9	0.0	9.55	0.1	0.1	0	0	
2006-Mar-03	3:25	64	2.3	8.92	0.2	0.2	0	0	
2006-Mar-03	3:26	64	5.3	8.89	2.5	2.5	0	0	
2006-Mar-03	3:26	55	5.3	8.87	5.1	5.1	0	0	
2006-Mar-03	3:27	55	5.1	8.36	7.7	7.7	0	0	
2006-Mar-03	3:27	60	4.7	8.36	10.2	10.2	0	0	
2006-Mar-03	3:28	78	4.6	8.44	12.5	12.5	0	0	
2006-Mar-03	3:28	92	4.4	8.47	14.7	14.7	0	0	
2006-Mar-03	3:29	96	4.4	8.35	16.9	16.9	0	0	
2006-Mar-03	3:29	110	4.3	8.35	19.1	19.1	0	0	
2006-Mar-03	3:30	128	4.3	8.38	21.3	21.3	0	0	
2006-Mar-03	3:30	142	4.4	8.38	23.4	23.4	0	0	
2006-Mar-03	3:31	160	4.4	8.38	25.6	25.6	0	0	
2006-Mar-03	3:31	160	4.4	8.35	27.8	27.8	0	0	
2006-Mar-03	3:32	174	4.4	8.35	30.0	30.0	0	0	
2006-Mar-03	3:32	133	2.6	8.36	32.1	32.1	0	0	
2006-Mar-03	3:33	160	2.4	8.37	33.3	33.3	0	0	
2006-Mar-03	3:33	169	2.4	8.36	34.6	34.6	0	0	
2006-Mar-03	3:34	169	2.4	8.36	35.8	35.8	0	0	
2006-Mar-03	3:34	156	2.4	8.35	37.0	37.0	0	0	
2006-Mar-03	3:35	160	2.4	8.36	38.2	38.2	0	0	
2006-Mar-03	3:35	829	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:36	810	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:36	742	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:37	-9	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:37	-9	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:38	-9	0.0	8.36	38.9	38.9	0	0	
2006-Mar-03	3:38								Reset Total, Vol = 38.91 bbf
2006-Mar-03	3:38	-9	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	3:38								End Displacement
2006-Mar-03	3:38								End Job
2006-Mar-03	3:38	-9	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	3:38	-9	0.0	8.36	0.0	0.0	0	0	
2006-Mar-03	3:38								Start Job

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Well		Field		Service Date		Customer		Job Number	
SLOAN 'A' #4		HOLT		0662-Mar-03		OXY USA, INC.		2205549259	
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbf/min	lb/gal	bbf	bbf	0	0	
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbf					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4			6	152		10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
180		100	800		bbf	8.34 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 19 bbf <input type="checkbox"/> Washed Thru Perfs To ft					
%	147 bbf	38 bbf	60 °F						
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
Fillpot, Greg			Grigoriev, Valeriy						

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Client: Oxy USA
 Well Name: Sloan
 Well Number: A4
 Legal Location: Sec 8-T32S-R34W
 County: Seward
 State: KS

Job Number: 2205549259
 Job Type: Surface
 Hole Size: 12 1/4
 Casing Size: 8 5/8
 Total Depth: 644
 DV Tool @

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Fluid Systems

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Mud:	9 bbl				
weight:	9 lb/gal				
height	feet				

Wash:	10 bbl	Water			
weight:	8.35 lb/gal	volumes:	56 cuft	slurry:	10 bbls
yield:	cuft/sk	height:	136 feet	water:	10 bbls
mix req:	gal/sk				

Lead:	155 sks	35/65 POZ/C + 6%D020 + 2%S001 + 0.25 ppsD130			
weight:	12.2 lb/gal	volumes:	338 cuft	slurry:	60 bbls
yield:	2.18 cuft/sk	height:	819 feet	water:	46 bbls
mix req:	12.4 gal/sk			Thickening Time:	hr:min

Tail:	195 sks	Class C + 2%S001 + 0.125 pps D130			
weight:	14.8 lb/gal	volumes:	261 cuft	slurry:	47 bbls
yield:	1.34 cuft/sk	height:	633 feet	water:	29 bbls
mix req:	6.3 gal/sk			Thickening Time:	hr:min

Displacement:	38.47 bbl	Fresh Water	density	8.33 lb/gal
Total:	38.47 bbl			

Casing Data

O.D.	8.625 inches	CSG vol:	0.0637 bbl/ft	Ann. vol:	0.0735 bbl/ft
I.D.	8.097 inches	OH vol:	0.1458 bbl/ft		2.4228 ft/cuft
Csg Wt:	Feet	volume	Shoe Joint Length		
0.064	24	647.00	41.21 bbls.	Csg:	43.00 feet
0.077	36		0.00 bbls.	Shoe:	feet
0.077	36		0.00 bbls.	Collar:	feet

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Volumes

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Total Depth	644 feet	3.00 Above Floor		
Total Pipe	647 feet	41.21 bbls.	Open Hole	93.88 bbls.
Shoe Joint	43 feet	2.74 bbls.	Annulus	47.56 bbls.
Float Collar@	604 feet	38.47 bbls.	Total Water	148 bbls needed

Post Job Info

TOC LEAD	0 ft	Final Diff. Pressure	psi	
TOC TAIL	14 ft	Bump Top Plug to	psi @ approx.	hours
Excess	50 %	Circulated	bbls to Surface	

Casing Wt (Air)	15,528 lbs.	Casing Area ID	51.4919 sq in.
Hyd PSI(Annulus)	496 psi	Hyd PSI(Casing)	295 psi
Csg Cross Sect.	6.9345 sq in.	#VALUE!	295
Bouyancy	3,440 lbs.	Casing Lift Pressure	235 psi
Hook Load	12,088 lbs.	Differential Lift Pressure	201 psi

Pressure Test: 1500 psi
Top Pressure : 1000 psi

10 bbl Water

60 bbl Lead Slurry @ 12.2 ppg

47 bbl Tail Slurry @ 14.8 ppg

SDDP

39 bbl Fresh Water Displacement
Bump Plug @ 1000 psi

Differential P = 201 psi

Lift Pressure = 235 psi

Total Water Needed= 148 bbl