

CONFIDENTIAL

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

ORIGINAL

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: Marvin T. Harvey, Jr.
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. _____
09/09/05 09/20/05 10/20/05
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 175-21996-00-00
County: Seward
 - - NW - SW Sec 20 Twp. 34 S. R. 33W
1980 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: Stevesson A Well #: 6
Field Name: Salley
Producing Formation: Chester
Elevation: Ground: 2870 Kelly Bushing: 2881
Total Depth: 6740 Plug Back Total Depth: 6380
Amount of Surface Pipe Set and Cemented at 1724 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 3-907
(Data must be collected from the Reserve Pit)
Chloride content 2000 mg/l ppm Fluid volume 1650 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. DEC 29 2005 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 12/28/05
Subscribed and sworn to before me this 28 day of Dec
20 05
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

ANITA PETERSON
Notary Public - State of Kansas
My Appt. Expires October 1, 2009

Operator Name: OXY USA Inc. Lease Name: Stevesson A Well #: 6

Sec. 20 Twp. 34 S. R. 33W 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2633 255
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Funstone	2989 -101
List All E. Logs Run:	TracerScan Induction	Wabaunsee	3494 -606
Sonic	Microlog Annular Hole Vol	Shawnee	3936 -1048
CBL	Neutron Geological Report	Heebner	4334 -1446
		Toronto	4355 -1467
		Lansing	4474 -1586
		(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	1724	C	620	35/65 Poz + Additives
					C	195	Class C + Additives
Production	7 7/8	5 1/2	17	6740	H	225	50/50 Lite Poz + Additive

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	6432-35, 6444-52	Acidize - 1650 gls 17% FE Acid	
	Set CIBP @ 6380		
4	6192-6240	Acidize - 141 bbls 17% FE Acid	
		Frac-110,960 gls 30# gel, 75QN2,	
		200,000# 20/40 Sand	

TUBING RECORD	Size NA	Set At NA	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 10/27/05	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 1.5	Gas Mcf 560	Water Bbls 5	Gas-Oil Ratio 373333	Gravity

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____

(If vented, Submit ACO-18) Other (Specify) _____

METHOD OF COMPLETION _____

Production Interval _____

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Side Three

ORIGINAL

Operator Name: OXY USA Inc. Lease Name: Stevesson A Well #: 6

Sec. 20 Twp. 34S. R. 33W East West County: Seward

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Kansas City	4745	-1857
Marmaton	5224	-2336
Cherokee	5464	-2576
Atoka	5647	-2759
Morrow	5840	-2952
Lower Morrow Sand	6082	-3194
Chester C	6127	-3239
Chester B	6236	-3348
Chester A	6343	-3455
St. Genevieve	6474	-3586

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Cementing Service Report

Customer OXY USA, INC.						Job Number 2205548456								
Well STEVESON A 6			Location (legal) Sec 20-T34S-R33W			Schlumberger Location Perryton, TX			Job Start 2005-Sep-10					
Field SALLEY		Formation Name/Type			Deviation °		Bit Size 12.3 in	Well MD 1,725 ft	Well TVD 1,725 ft					
County SEWARD		State/Province KANSAS			BHP psi	BHST 98 °F	BHCT °F	Pore Press. Gradient psi/ft						
Well Master: 0630727647		API / UWI: 15175219960000			Casing/Liner									
Rig Name MURFIN 20		Drilled For Gas		Service Via Land		Depth, ft 1725	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		Max. Density lb/gal		Plastic Viscosity cp		Depth,	Size, in	Weight, lb/ft	Grade	Thread				
Service Line Cementing		Job Type Cem Surface Casing				Perforations/Open Hole								
Max. Allowed Tubing Pressure 2000 psi		Max. Allowed Ann. Pressure psi		WellHead Connection 8 5/8" H&SM		Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft				
Service Instructions Cement 1800 ft of 8 5/8 Casing with: 620 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 Displace with FreshWater						Treat Down Casing	Displacement 107.2 bbl	Packer Type	Packer Depth ft					
						Tubing Vol. bbl	Casing Vol. 110 bbl	Annular Vol. 127 bbl	OpenHole Vol 237 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: 500 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type:		Squeeze Type
No. Centralizers: Top Plugs: 1		Bottom Plugs: 0		Stage Tool Type:		Shoe Depth: 1726 ft		Tool Type:						
Cement Head Type: Single		Stage Tool Depth: ft		Tool Depth: ft		Tail Pipe Size: in								
Job Scheduled For: 2005-Sep-10 19:30		Arrived on Location: 2005-Sep-11 1:00		Leave Location: 2005-Sep-11 1:00		Collar Type:		Tail Pipe Depth: ft						
						Collar Depth: 1683 ft		Sqz Total Vol: bbl						
Date	Time	Treating Pressure psi	Flow Rate bbl/min	CMT DENS lb/gal	Volume bbl	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	0	Message				
2005-Sep-10	22:52	0	0.0	8.30	0.0	0.0	0.0	0	0					
2005-Sep-10	22:52	275	1.5	8.29	0.1	1.4	0.4	0	0					
2005-Sep-10	22:53	2060	0.0	8.29	0.2	0.0	0.5	0	0					
2005-Sep-10	22:53	1955	0.0	8.29	0.2	0.0	0.5	0	0					
2005-Sep-10	22:54	23	0.0	8.29	0.2	0.0	0.5	0	0					
2005-Sep-10	22:54	-5	0.0	8.29	0.2	0.0	0.5	0	0					
2005-Sep-10	22:55	50	3.5	8.28	0.5	3.5	0.9	0	0					
2005-Sep-10	22:55	73	3.8	8.28	0.6	3.6	1.0	0	0					
2005-Sep-10	22:55									Pressure Test Lines				
2005-Sep-10	22:55	101	6.1	8.28	2.3	5.7	2.5	0	0					
2005-Sep-10	22:55									Start Pumping Spacer				
2005-Sep-10	22:55	110	6.2	8.28	3.4	6.4	3.6	0	0					
2005-Sep-10	22:56	110	6.3	8.28	6.5	6.4	6.8	0	0					
2005-Sep-10	22:56	105	6.3	8.28	9.6	6.4	10.0	0	0					
2005-Sep-10	22:57	124	6.3	9.04	11.5	6.3	11.8	0	0					
2005-Sep-10	22:57									Start Mixing Lead Slurry				
2005-Sep-10	22:57	119	6.3	9.09	11.6	6.4	12.0	0	0					
2005-Sep-10	22:57									End Spacer				
2005-Sep-10	22:57	133	6.3	9.47	12.8	6.3	13.1	0	0					
2005-Sep-10	22:57	156	6.3	10.89	15.9	6.3	16.2	0	0					
2005-Sep-10	22:58	128	6.3	11.81	19.1	6.1	19.4	0	0					
2005-Sep-10	22:58	169	6.4	11.96	22.3	6.3	22.4	0	0					

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Well		Field			Service Date		Customer		Job Number
STEVESON A #6		SALLEY			05253-Sep-10		OXY USA, INC.		2205548456
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	bbl/min	bbl	0	
2005-Sep-10	22:59	174	6.4	12.20	25.5	6.4	25.6	0	
2005-Sep-10	22:59	165	6.4	12.17	28.7	6.5	28.8	0	
2005-Sep-10	23:00	165	6.5	11.96	32.0	6.4	32.0	0	
2005-Sep-10	23:00	160	6.5	12.19	35.2	6.5	35.3	0	
2005-Sep-10	23:01	165	6.5	12.21	38.5	6.5	38.5	0	
2005-Sep-10	23:01	160	6.5	11.96	41.7	6.4	41.8	0	
2005-Sep-10	23:02	156	6.6	11.72	45.0	6.5	45.0	0	
2005-Sep-10	23:02	156	6.6	11.83	48.3	6.5	48.2	0	
2005-Sep-10	23:03	156	6.6	11.90	51.6	6.5	51.5	0	
2005-Sep-10	23:03	156	6.6	11.75	54.9	6.6	54.8	0	
2005-Sep-10	23:04	124	5.8	11.86	57.9	5.9	57.9	0	
2005-Sep-10	23:04	128	5.9	12.23	60.8	5.9	60.8	0	
2005-Sep-10	23:05	124	5.8	12.24	63.7	5.8	63.8	0	
2005-Sep-10	23:05	124	5.9	12.17	66.7	5.8	66.8	0	
2005-Sep-10	23:06	124	5.9	12.21	69.6	5.7	69.7	0	
2005-Sep-10	23:06	179	7.2	12.24	72.9	7.1	72.8	0	
2005-Sep-10	23:07	169	7.1	11.77	76.4	6.4	76.3	0	
2005-Sep-10	23:07	179	7.2	12.22	80.0	7.1	79.8	0	
2005-Sep-10	23:08	183	7.2	12.43	83.6	7.1	83.4	0	
2005-Sep-10	23:08	183	7.2	12.35	87.2	7.1	87.0	0	
2005-Sep-10	23:09	174	7.2	12.20	90.8	7.2	90.5	0	
2005-Sep-10	23:09	179	7.2	12.08	94.4	7.2	94.1	0	
2005-Sep-10	23:10	174	7.2	12.05	98.0	7.2	97.7	0	
2005-Sep-10	23:10	174	7.2	12.14	101.6	7.1	101.2	0	
2005-Sep-10	23:11	174	7.2	12.21	105.2	7.2	104.9	0	
2005-Sep-10	23:11	179	7.2	12.15	108.8	7.2	108.4	0	
2005-Sep-10	23:12	174	7.3	12.12	112.4	7.2	112.0	0	
2005-Sep-10	23:12	169	7.3	11.68	116.1	7.3	115.5	0	
2005-Sep-10	23:13	179	7.2	12.40	119.7	7.2	119.1	0	
2005-Sep-10	23:13	183	7.3	12.59	123.3	7.4	122.7	0	
2005-Sep-10	23:14	165	7.3	11.92	126.9	7.1	126.4	0	
2005-Sep-10	23:14	165	7.3	11.61	130.6	7.2	129.9	0	
2005-Sep-10	23:15	92	5.2	11.69	133.4	5.2	132.9	0	
2005-Sep-10	23:15	151	6.4	12.66	136.0	6.1	135.3	0	
2005-Sep-10	23:16	142	6.5	12.12	139.3	6.4	138.5	0	
2005-Sep-10	23:16	137	6.5	11.69	142.7	6.5	141.9	0	
2005-Sep-10	23:17	142	6.6	12.09	145.9	6.5	145.2	0	
2005-Sep-10	23:17	142	6.5	11.88	149.2	6.4	148.4	0	
2005-Sep-10	23:18	146	6.5	12.13	152.4	6.5	151.7	0	
2005-Sep-10	23:18	151	6.5	12.34	155.7	6.5	154.9	0	
2005-Sep-10	23:19	146	6.5	12.29	159.0	6.5	158.2	0	
2005-Sep-10	23:19	156	6.5	12.73	162.2	6.4	161.4	0	
2005-Sep-10	23:20	142	6.3	12.55	165.6	6.3	164.7	0	
2005-Sep-10	23:20	142	6.3	12.62	168.8	6.2	167.9	0	
2005-Sep-10	23:21	146	6.2	12.96	171.9	6.3	171.0	0	
2005-Sep-10	23:21	137	6.2	12.56	175.0	6.3	174.1	0	
2005-Sep-10	23:22	133	6.4	12.30	178.1	6.3	177.3	0	
2005-Sep-10	23:22	142	6.6	11.92	181.4	6.5	180.5	0	
2005-Sep-10	23:23	142	6.5	11.92	184.7	6.2	183.7	0	
2005-Sep-10	23:23	137	6.6	11.53	188.0	6.4	186.8	0	
2005-Sep-10	23:24	133	6.6	11.66	191.3	6.6	190.3	0	
2005-Sep-10	23:24	146	6.7	12.18	194.6	6.6	193.6	0	
2005-Sep-10	23:25	146	6.7	12.32	198.0	6.6	196.9	0	
2005-Sep-10	23:25	146	6.6	12.24	201.3	6.6	200.3	0	

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Well		Field			Service Date		Customer		Job Number
STEVESON A #6		SALLEY			05253-Sep-10		OXY USA, INC.		2205548456
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bb/min	lb/gal	bbl	bbl/min	bbl	0	
2005-Sep-10	23:26	179	7.4	12.21	204.8	7.3	203.7	0	
2005-Sep-10	23:26	174	7.5	12.16	208.5	7.4	207.4	0	
2005-Sep-10	23:27	179	7.4	12.05	212.3	7.3	211.1	0	
2005-Sep-10	23:27	174	7.3	12.13	216.0	7.2	214.8	0	
2005-Sep-10	23:28	169	7.3	12.15	219.7	7.2	218.4	0	
2005-Sep-10	23:28	174	7.4	12.14	223.3	7.2	222.0	0	
2005-Sep-10	23:29	174	7.3	12.16	227.0	7.3	225.6	0	
2005-Sep-10	23:29	174	7.3	12.13	230.7	7.1	229.2	0	
2005-Sep-10	23:30	174	7.3	12.08	234.3	7.4	232.8	0	
2005-Sep-10	23:30	169	7.3	12.02	238.0	7.3	236.4	0	
2005-Sep-10	23:31	165	7.3	12.05	241.7	7.3	240.0	0	
2005-Sep-10	23:31	169	7.3	12.05	245.3	7.3	243.7	0	
2005-Sep-10	23:32	169	7.4	12.09	249.0	6.5	247.3	0	
2005-Sep-10	23:32	165	7.3	11.80	252.7	7.0	250.7	0	
2005-Sep-10	23:33	46	3.1	11.72	256.1	5.2	254.2	0	
2005-Sep-10	23:33	46	3.0	12.14	257.0	3.7	255.2	0	
2005-Sep-10	23:33								End Lead Slurry
2005-Sep-10	23:33								Start Mixing Tail Slurry
2005-Sep-10	23:33	50	3.0	12.18	257.0	3.7	255.3	0	
2005-Sep-10	23:33	55	3.0	13.01	257.6	3.9	256.0	0	
2005-Sep-10	23:33								Reset Total, Vol = 257.60 bbl
2005-Sep-10	23:33	55	3.0	13.09	0.1	3.9	0.1	0	
2005-Sep-10	23:34	105	4.5	14.60	1.8	4.3	2.1	0	
2005-Sep-10	23:34	101	4.4	14.85	4.1	4.6	4.3	0	
2005-Sep-10	23:35	128	5.2	14.82	6.5	5.2	6.8	0	
2005-Sep-10	23:35	128	5.2	14.72	9.1	5.2	9.4	0	
2005-Sep-10	23:36	128	5.1	14.65	11.7	5.3	12.0	0	
2005-Sep-10	23:36	156	5.7	14.63	14.3	5.8	14.7	0	
2005-Sep-10	23:37	151	5.7	14.56	17.2	5.8	17.6	0	
2005-Sep-10	23:37	105	5.7	14.47	20.1	5.2	20.3	0	
2005-Sep-10	23:38	137	5.7	14.52	23.0	5.2	22.9	0	
2005-Sep-10	23:38	128	5.7	14.62	25.8	5.2	25.5	0	
2005-Sep-10	23:39	201	6.4	14.83	28.9	6.2	28.3	0	
2005-Sep-10	23:39	201	6.4	14.84	32.1	6.5	31.5	0	
2005-Sep-10	23:40	188	6.4	14.63	35.3	6.4	34.7	0	
2005-Sep-10	23:40	151	5.7	14.50	38.3	5.8	37.7	0	
2005-Sep-10	23:41	146	5.7	14.53	41.1	5.7	40.6	0	
2005-Sep-10	23:41	92	4.4	14.63	43.7	4.7	43.3	0	
2005-Sep-10	23:42	92	4.4	14.47	46.0	4.5	45.5	0	
2005-Sep-10	23:42	87	3.0	14.52	47.6	4.6	47.8	0	
2005-Sep-10	23:43	-9	0.0	14.30	48.5	0.0	49.1	0	
2005-Sep-10	23:43								Reset Total, Vol = 48.51 bbl
2005-Sep-10	23:43								End Tail Slurry
2005-Sep-10	23:43								Drop Top Plug
2005-Sep-10	23:43								Start Displacement
2005-Sep-10	23:48	87	6.8	8.78	0.1	6.9	0.1	0	
2005-Sep-10	23:48	46	5.8	8.31	3.0	6.0	3.1	0	
2005-Sep-10	23:49	50	6.0	8.31	5.9	6.2	6.1	0	
2005-Sep-10	23:49	50	6.1	8.41	8.9	6.3	9.2	0	
2005-Sep-10	23:50	50	6.1	8.31	12.0	6.2	12.3	0	
2005-Sep-10	23:50	50	6.1	8.30	15.0	6.2	15.4	0	
2005-Sep-10	23:51	55	6.0	8.31	18.0	6.1	18.5	0	
2005-Sep-10	23:51	69	6.1	8.33	21.0	6.2	21.6	0	
2005-Sep-10	23:52	73	6.1	8.30	24.0	6.1	24.7	0	

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Well		Field			Service Date		Customer		Job Number
STEVESON A #6		SALLEY			05253-Sep-10		OXY USA, INC.		2205548456
Date	Time	Treating Pressure	Flow Rate	CMT DENS	Volume	Flowmeter Rate	Flowmeter Tot	0	Message
	24 hr clock	psi	bb/min	lb/gal	bbl	bbl/min	bbl	0	
2005-Sep-10	23:52	82	6.1	8.31	27.1	6.2	27.7	0	
2005-Sep-10	23:53	96	6.0	8.31	30.1	6.1	30.8	0	
2005-Sep-10	23:53	105	6.1	8.30	33.1	6.2	33.9	0	
2005-Sep-10	23:54	114	6.0	8.30	36.1	6.1	37.0	0	
2005-Sep-10	23:54	133	6.1	8.30	39.2	6.2	40.0	0	
2005-Sep-10	23:55	137	6.1	8.30	42.2	6.1	43.1	0	
2005-Sep-10	23:55	146	6.1	8.30	45.2	6.2	46.2	0	
2005-Sep-10	23:56	165	6.1	8.30	48.2	6.2	49.2	0	
2005-Sep-10	23:56	169	6.1	8.30	51.3	6.1	52.3	0	
2005-Sep-10	23:57	192	6.1	8.30	54.3	6.2	55.4	0	
2005-Sep-10	23:57	206	6.1	8.30	61.6	6.2	58.5	0	
2005-Sep-10	23:58	233	6.1	8.30	63.3	6.2	61.6	0	
2005-Sep-10	23:58	252	6.1	8.30	66.4	6.2	64.7	0	
2005-Sep-10	23:59	266	6.1	8.30	69.4	6.1	67.7	0	
2005-Sep-10	23:59	284	6.1	8.30	72.6	6.2	70.9	0	
2005-Sep-11	0:00	311	6.1	8.30	75.7	6.2	74.0	0	
2005-Sep-11	0:00	320	6.1	8.30	78.7	6.2	77.1	0	
2005-Sep-11	0:01	352	6.1	8.30	81.8	6.2	80.2	0	
2005-Sep-11	0:01	362	6.1	8.30	84.9	6.1	83.3	0	
2005-Sep-11	0:02	380	6.1	8.30	87.9	6.1	86.4	0	
2005-Sep-11	0:02	417	6.1	8.30	91.0	6.2	89.4	0	
2005-Sep-11	0:03	421	6.1	8.30	94.0	6.2	92.5	0	
2005-Sep-11	0:03	439	6.1	8.30	97.1	6.2	95.6	0	
2005-Sep-11	0:04	462	6.2	8.30	100.2	6.1	98.7	0	
2005-Sep-11	0:04	380	2.2	8.30	102.0	2.2	100.7	0	
2005-Sep-11	0:05	407	2.2	8.30	103.2	2.2	101.9	0	
2005-Sep-11	0:05	430	2.2	8.30	104.3	2.3	103.0	0	
2005-Sep-11	0:06	407	2.2	8.30	105.4	2.2	104.1	0	
2005-Sep-11	0:06	989	0.0	8.30	105.9	0.8	104.7	0	
2005-Sep-11	0:06								Reset Total, Vol = 105.93 bbl
2005-Sep-11	0:06	975	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:06								Bump Top Plug
2005-Sep-11	0:06								End Displacement
2005-Sep-11	0:06	984	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:07	970	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:07	957	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:08	206	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:08	0	0.0	8.30	105.9	0.0	104.8	0	
2005-Sep-11	0:09								End Job
2005-Sep-11	0:09	0	0.0	8.30	105.9	0.2	104.8	0	
2005-Sep-11	0:09	0	0.0	8.30	105.9	0.8	104.9	0	
2005-Sep-11	0:10	0	0.0	8.30	105.9	0.0	105.0	0	
2005-Sep-11	0:12	0	0.0	8.31	105.9	0.0	105.0	0	
2005-Sep-11	0:13	0	0.0	8.31	0.0	0.0	0.0	0	

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Well STEVESON A #6		Field SALLEY		Service Date 05253-Sep-10		Customer OXY USA, INC.		Job Number 2205548456	
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	CMT DENS lb/gal	Volume bbl	Flowmeter Rate bbl/min	Flowmeter Tot bbl	0	Message
								0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
6			7	287	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
			1000			lb/gal			
Avg. N2 Percent %	Designed Slurry Volume 287 bbl	Displacement 107.2 bbl	Mix Water Temp °F	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume 60 bbl				
				<input type="checkbox"/> Washed Thru Perfs To	ft				
Customer or Authorized Representative Fillpot, Gregg			Schlumberger Supervisor Ahrends, Timothy			<input type="checkbox"/> CirculationLost	<input checked="" type="checkbox"/> Job Completed		

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Date	910/2005
Company	OXY
Job Number	2205548456
Well Name	Stevesson
Well Number	A 6
County	Seward
State	KS

Schlumberger

Pipe Size	8 5/8	
Pipe Weight	24	24
Pipe Depth	1726	
Shoe Length	43	
Insert Depth	1683	
Hole Size	12 1/4	
Hole Depth	1725	

1st System	
620 sacks	C
2.18 yield	D132,D20,S1,D29
12.2 weight	
12.3 water	182
cubic ft.	1352
height	3275
bbls	241

237	Pipe Volume	110
	Annular Volume	127
	Total Cement	287
	Total Water	318

Pipe Factor	0.0637	0.0637
Annular Factor	0.0735	
Height Factor	2.4231	

2nd System	
195 sacks	C
1.34 yield	S1,D29
14.8 weight	
6.3 water	29
cubic ft.	261
height	633
bbls	46.5

Casing lift 709
Cement lift 410

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Test 2000

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

0 Mud

10 Spacer

241 Lead 12.2

47 Tail 14.8

107.2 Displacement

1500 Maximum Pressure

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

Pump time @ 6 BPM

66 MIN

CONFIDENTIAL



Cementing Service Report

Customer OXY USA, INC.						Job Number 2205548585						
Well STEVESON A 6			Location (legal) Sec 20-T34S-R33W			Schlumberger Location Perryton, TX			Job Start 2005-Sep-22			
Field SALLEY		Formation Name/Type			Deviation °		Bit Size 7.88 in	Well MD 6,740 ft	Well TVD 6,740 ft			
County SEWARD		State/Province KANSAS			BHP psi	BHST 146 °F	BHCT °F	Pore Press. Gradient psi/ft				
Well Master: 0630727647		API / UWI:			Casing/Liner							
Rig Name MURFIN 20		Drilled For Gas		Service Via		Depth, ft 6743	Size, in 5.5	Weight, lb/ft 17	Grade	Thread		
Offshore Zone		Well Class New	Well Type Development			Tubing/Drill Pipe						
Drilling Fluid Type		Max. Density 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 2500 psi		Max. Allowed Ann. Pressure psi	WellHead Connection 5 1/2" HMS			Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft		
Service Instructions CEMENT 5 1/2" Casing with 20 BBLs CW100 225 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.25 %D112+ 0.25 %D65 + 0.25%D46 25 SKS Rat/Mouse Hole DISPLACE W/FRESH WATER					Treat Down Casing	Displacement 155.5 bbl	Packer Type	Packer Depth ft				
					Tubing Vol. bbl	Casing Vol. 156.4 bbl	Annular Vol. 208 bbl	OpenHole Vol 406 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: 800 psi					Shoe Type: Guide			Squeeze Type				
Pipe Rotated <input type="checkbox"/>					Pipe Reciprocated <input type="checkbox"/>					Shoe Depth: 6740 ft		Tool Type:
No. Centralizers:		Top Plugs: 1	Bottom Plugs: 1		Stage Tool Type:			Tool Depth: ft				
Cement Head Type: Single					Stage Tool Depth: ft			Tail Pipe Size: in				
Job Scheduled For: 9/22/2005 8:00		Arrived on Location: 2005-Sep-22 8:00		Leave Location: 2005-Sep-22 13:00			Collar Type: Float		Tail Pipe Depth: ft			
					Collar Depth: 6697 ft		Sqz Total Vol: bbl					
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message			
	24 hr clock	psi	lb/gal	bbl/min	bbl	0	0	0				
2005-Sep-22	10:36	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:36								Pressure Test Lines			
2005-Sep-22	10:36	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:37	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:37	18	8.22	0.0	0.0	0	0	0				
2005-Sep-22	10:38	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:38	18	8.22	0.0	0.0	0	0	0				
2005-Sep-22	10:39	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:39	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:40	14	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:40	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:41	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:41	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:42	18	8.21	0.0	0.0	0	0	0				
2005-Sep-22	10:42	101	8.23	0.0	0.0	0	0	0				
2005-Sep-22	10:43	3520	8.23	0.0	0.1	0	0	0				
2005-Sep-22	10:43	3351	8.23	0.0	0.1	0	0	0				
2005-Sep-22	10:44	46	8.24	0.0	0.1	0	0	0				
2005-Sep-22	10:44								Start Pumping Wash			
2005-Sep-22	10:44	46	8.23	0.0	0.0	0	0	0				
2005-Sep-22	10:44	46	8.23	0.0	0.0	0	0	0				
2005-Sep-22	10:45	197	8.22	1.0	0.1	0	0	0				

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Well			Field			Service Date		Customer		Job Number
STEVESON A #6			SALLEY			05265-Sep-22		OXY USA, INC.		2205548585
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbbl/min	bbl	0	0	0		
2005-Sep-22	10:45	311	8.23	4.6	1.7	0	0	0		
2005-Sep-22	10:46	316	8.23	4.7	4.0	0	0	0		
2005-Sep-22	10:46	339	8.22	5.7	6.8	0	0	0		
2005-Sep-22	10:47	339	8.21	5.7	9.7	0	0	0		
2005-Sep-22	10:47	165	8.20	5.7	12.5	0	0	0		
2005-Sep-22	10:48	316	8.19	5.7	15.4	0	0	0		
2005-Sep-22	10:48	96	8.18	5.7	18.3	0	0	0		
2005-Sep-22	10:49	339	8.18	5.7	21.1	0	0	0		
2005-Sep-22	10:49	32	8.18	0.0	22.3	0	0	0		
2005-Sep-22	10:50	18	8.20	0.0	22.3	0	0	0		
2005-Sep-22	10:50								Reset Total, Vol = 22.27 bbl	
2005-Sep-22	10:50	23	8.18	0.0	22.3	0	0	0		
2005-Sep-22	10:50								Batch Mix Cement Slurry	
2005-Sep-22	10:50	18	8.18	0.0	0.0	0	0	0		
2005-Sep-22	10:50	18	8.18	0.0	0.0	0	0	0		
2005-Sep-22	10:51	23	8.12	0.0	0.0	0	0	0		
2005-Sep-22	10:51	50	8.13	0.0	0.0	0	0	0		
2005-Sep-22	10:52	41	8.15	0.3	0.0	0	0	0		
2005-Sep-22	10:52	23	9.54	0.1	0.1	0	0	0		
2005-Sep-22	10:53	23	12.14	0.0	0.1	0	0	0		
2005-Sep-22	10:53	27	14.24	0.2	0.1	0	0	0		
2005-Sep-22	10:54	27	14.24	0.2	0.1	0	0	0		
2005-Sep-22	10:54								Rat & Mouseholes	
2005-Sep-22	10:54	114	14.19	0.0	0.0	0	0	0		
2005-Sep-22	10:54	142	14.12	0.0	0.0	0	0	0		
2005-Sep-22	10:55	32	14.04	0.2	0.0	0	0	0		
2005-Sep-22	10:55	23	10.67	0.2	0.1	0	0	0		
2005-Sep-22	10:56	18	13.66	0.2	0.2	0	0	0		
2005-Sep-22	10:56	18	14.35	0.1	0.3	0	0	0		
2005-Sep-22	10:57	18	14.32	0.1	0.4	0	0	0		
2005-Sep-22	10:57	27	14.31	0.1	0.4	0	0	0		
2005-Sep-22	10:58	23	14.28	0.0	0.4	0	0	0		
2005-Sep-22	10:58	110	14.04	0.0	0.4	0	0	0		
2005-Sep-22	10:59	119	14.06	0.0	0.4	0	0	0		
2005-Sep-22	10:59	23	14.03	0.0	0.4	0	0	0		
2005-Sep-22	11:00	23	11.37	0.0	0.4	0	0	0		
2005-Sep-22	11:00	23	9.63	0.0	0.4	0	0	0		
2005-Sep-22	11:01	32	9.60	0.0	0.4	0	0	0		
2005-Sep-22	11:01								Reset Total, Vol = 7 bbl	
2005-Sep-22	11:01	32	9.59	0.0	0.4	0	0	0		
2005-Sep-22	11:01	32	9.63	0.0	0.0	0	0	0		
2005-Sep-22	11:01								Start Mixing Tail Slurry	
2005-Sep-22	11:01	32	9.49	0.0	0.0	0	0	0		
2005-Sep-22	11:02	407	11.95	3.1	0.2	0	0	0		
2005-Sep-22	11:02	385	15.12	3.9	2.0	0	0	0		
2005-Sep-22	11:03	435	14.41	5.4	4.4	0	0	0		
2005-Sep-22	11:03	371	14.04	5.4	7.1	0	0	0		
2005-Sep-22	11:04	316	13.85	5.4	9.9	0	0	0		
2005-Sep-22	11:04	284	13.81	5.4	12.6	0	0	0		
2005-Sep-22	11:05	270	13.79	5.4	15.3	0	0	0		
2005-Sep-22	11:05	229	13.80	5.4	18.1	0	0	0		
2005-Sep-22	11:06	206	13.82	5.4	20.8	0	0	0		
2005-Sep-22	11:06	183	13.82	5.4	23.5	0	0	0		
2005-Sep-22	11:07	169	13.39	5.4	26.3	0	0	0		

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Well			Field			Service Date		Customer		Job Number
STEVESON A #6			SALLEY			05265-Sep-22		OXY USA, INC.		2205548585
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbf/min	bbf	0	0	0		
2005-Sep-22	11:07	160	13.55	5.4	29.0	0	0	0		
2005-Sep-22	11:08	179	13.93	5.4	31.7	0	0	0		
2005-Sep-22	11:08	201	14.20	5.4	34.4	0	0	0		
2005-Sep-22	11:09	192	13.95	5.4	37.1	0	0	0		
2005-Sep-22	11:09	201	14.04	5.4	39.9	0	0	0		
2005-Sep-22	11:10	197	13.92	5.4	42.6	0	0	0		
2005-Sep-22	11:10	197	13.86	5.4	45.3	0	0	0		
2005-Sep-22	11:11	197	13.86	5.4	48.0	0	0	0		
2005-Sep-22	11:11	192	13.88	5.4	50.8	0	0	0		
2005-Sep-22	11:12	197	13.99	5.4	53.5	0	0	0		
2005-Sep-22	11:12	192	14.01	5.4	56.2	0	0	0		
2005-Sep-22	11:13	197	13.99	5.4	58.9	0	0	0		
2005-Sep-22	11:13	197	13.97	5.4	61.6	0	0	0		
2005-Sep-22	11:14	92	14.67	1.7	62.8	0	0	0		
2005-Sep-22	11:14	110	14.43	1.7	63.7	0	0	0		
2005-Sep-22	11:15	18	14.29	0.0	63.8	0	0	0		
2005-Sep-22	11:15								Reset Total, Vol = 63.80 bbl	
2005-Sep-22	11:15	18	14.30	0.0	0.0	0	0	0		
2005-Sep-22	11:15								Wash Pump and Lines	
2005-Sep-22	11:15	18	14.30	0.0	0.0	0	0	0		
2005-Sep-22	11:15	18	10.06	0.0	0.0	0	0	0		
2005-Sep-22	11:16	160	9.04	0.0	0.0	0	0	0		
2005-Sep-22	11:16	160	8.56	0.0	0.0	0	0	0		
2005-Sep-22	11:17	151	8.36	0.0	0.0	0	0	0		
2005-Sep-22	11:18	151	8.27	0.0	0.0	0	0	0		
2005-Sep-22	11:18	215	8.44	0.0	0.0	0	0	0		
2005-Sep-22	11:19	407	8.29	0.0	0.0	0	0	0		
2005-Sep-22	11:19	366	8.51	0.0	0.0	0	0	0		
2005-Sep-22	11:20	330	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:20	9	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:20	18	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:20								Drop Top Plug	
2005-Sep-22	11:20	18	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:20								Start Displacement	
2005-Sep-22	11:21	18	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:21	32	8.25	0.0	0.0	0	0	0		
2005-Sep-22	11:22	101	8.25	6.6	2.1	0	0	0		
2005-Sep-22	11:22	105	8.25	6.6	5.5	0	0	0		
2005-Sep-22	11:23	110	8.25	6.6	8.8	0	0	0		
2005-Sep-22	11:23	124	8.24	6.6	12.1	0	0	0		
2005-Sep-22	11:24	133	8.24	6.6	15.4	0	0	0		
2005-Sep-22	11:24	128	8.24	6.6	18.7	0	0	0		
2005-Sep-22	11:25	119	8.25	6.6	22.0	0	0	0		
2005-Sep-22	11:25	101	8.25	6.6	25.3	0	0	0		
2005-Sep-22	11:26	101	8.25	6.6	28.6	0	0	0		
2005-Sep-22	11:26	101	8.25	6.6	31.9	0	0	0		
2005-Sep-22	11:27	110	8.25	6.6	35.2	0	0	0		
2005-Sep-22	11:27	101	8.25	6.6	38.5	0	0	0		
2005-Sep-22	11:28	101	8.25	6.6	41.8	0	0	0		
2005-Sep-22	11:28	110	8.25	6.6	45.1	0	0	0		
2005-Sep-22	11:29	101	8.25	6.6	48.5	0	0	0		
2005-Sep-22	11:29	101	8.25	6.6	51.8	0	0	0		
2005-Sep-22	11:30	101	8.25	6.6	55.1	0	0	0		
2005-Sep-22	11:30	105	8.25	6.6	58.4	0	0	0		

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Well			Field		Service Date		Customer			Job Number
STEVESON A #6			SALLEY		05265-Sep-22		OXY USA, INC.			2205548585
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message	
		24 hr clock psi	lb/gal	bbl/min	bbl	0	0	0		
2005-Sep-22	11:31	105	8.25	6.6	61.7	0	0	0		
2005-Sep-22	11:31	110	8.25	6.6	65.1	0	0	0		
2005-Sep-22	11:32	110	8.25	6.6	68.4	0	0	0		
2005-Sep-22	11:32	114	8.25	6.7	71.7	0	0	0		
2005-Sep-22	11:33	105	8.25	6.6	75.0	0	0	0		
2005-Sep-22	11:33	105	8.25	6.6	78.3	0	0	0		
2005-Sep-22	11:34	101	8.25	6.6	81.6	0	0	0		
2005-Sep-22	11:34	69	8.25	5.2	84.2	0	0	0		
2005-Sep-22	11:35	55	8.25	2.7	86.5	0	0	0		
2005-Sep-22	11:35	73	8.25	5.2	88.4	0	0	0		
2005-Sep-22	11:36	69	8.25	4.9	90.9	0	0	0		
2005-Sep-22	11:36	69	8.25	5.0	93.4	0	0	0		
2005-Sep-22	11:37	69	8.25	5.0	95.8	0	0	0		
2005-Sep-22	11:37	64	8.24	5.0	98.3	0	0	0		
2005-Sep-22	11:38	64	8.25	5.0	100.8	0	0	0		
2005-Sep-22	11:38	64	8.25	4.9	103.3	0	0	0		
2005-Sep-22	11:39	64	8.25	4.9	105.7	0	0	0		
2005-Sep-22	11:39	64	8.24	5.0	108.2	0	0	0		
2005-Sep-22	11:40	69	8.25	5.0	110.7	0	0	0		
2005-Sep-22	11:40	156	8.24	5.0	113.3	0	0	0		
2005-Sep-22	11:41	9	4.80	4.9	115.7	0	0	0		
2005-Sep-22	11:41	18	4.58	5.2	118.3	0	0	0		
2005-Sep-22	11:42	18	4.51	3.5	120.7	0	0	0		
2005-Sep-22	11:42	41	1.85	3.7	122.4	0	0	0		
2005-Sep-22	11:43	243	4.77	5.1	125.0	0	0	0		
2005-Sep-22	11:43	279	6.85	5.2	127.6	0	0	0		
2005-Sep-22	11:44	307	5.52	5.2	130.1	0	0	0		
2005-Sep-22	11:44	330	5.13	5.2	132.7	0	0	0		
2005-Sep-22	11:45	375	5.58	5.2	135.3	0	0	0		
2005-Sep-22	11:45	389	8.20	5.2	137.9	0	0	0		
2005-Sep-22	11:46	444	8.22	5.2	140.5	0	0	0		
2005-Sep-22	11:46	499	8.21	5.2	143.1	0	0	0		
2005-Sep-22	11:47	540	8.20	5.2	145.7	0	0	0		
2005-Sep-22	11:47	600	8.19	5.1	148.2	0	0	0		
2005-Sep-22	11:48	659	8.19	5.2	150.8	0	0	0		
2005-Sep-22	11:48	728	8.18	5.2	153.4	0	0	0		
2005-Sep-22	11:49	595	8.19	2.5	154.9	0	0	0		
2005-Sep-22	11:49	627	8.18	2.4	156.2	0	0	0		
2005-Sep-22	11:50	650	8.19	2.4	157.4	0	0	0		
2005-Sep-22	11:50	682	8.20	2.3	158.5	0	0	0		
2005-Sep-22	11:51	696	8.20	2.3	159.7	0	0	0		
2005-Sep-22	11:51	728	8.20	2.3	160.9	0	0	0		
2005-Sep-22	11:52	769	8.21	2.2	162.0	0	0	0		
2005-Sep-22	11:52	760	8.21	2.2	163.1	0	0	0		
2005-Sep-22	11:53	948	8.21	1.9	164.2	0	0	0		
2005-Sep-22	11:53	1245	8.21	0.0	164.4	0	0	0		
2005-Sep-22	11:54	1286	8.20	0.0	164.4	0	0	0		
2005-Sep-22	11:54								Reset Total, Vol = 156 bbl	
2005-Sep-22	11:54	1286	8.21	0.0	164.4	0	0	0		
2005-Sep-22	11:54								Bump Top Plug	
2005-Sep-22	11:54	1245	8.21	0.0	0.0	0	0	0		
2005-Sep-22	11:54	1254	8.21	0.0	0.0	0	0	0		
2005-Sep-22	11:55	1254	8.21	0.0	0.0	0	0	0		
2005-Sep-22	11:55	746	8.21	0.0	0.0	0	0	0		

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Well STEVESON A #6			Field SALLEY			Service Date 05265-Sep-22		Customer OXY USA, INC.		Job Number 2205548585
Date	Time	Treating Pressure	Density	Rate	Volume	0	0	0	Message	
	24 hr clock	psi	lb/gal	bbbl/min	bbbl	0	0	0		
2005-Sep-22	11:56	14	8.21	0.0	0.0	0	0	0		
2005-Sep-22	11:56	18	8.21	0.0	0.0	0	0	0		
2005-Sep-22	11:56								Float Holding	
2005-Sep-22	11:56	18	8.21	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			
5.1			6.5	64		20				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
800		500	1300		bbbl	8.34 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 Peris To ft						
%	62 bbl	156 bbl	°F							
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed		
Fillpot, Greg			Ousley, John							

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Customer: Oxy USA Job #: 2205548485
 Well name: Stevesson A Job Type: Longstring
 Well #: 6 Bit Size: 7 7/8
 County: Seward Well Depth: 6740
 State: Kansas Stage: 1

System 1	
25 sks	Rat & Mousehole
1.55 :yield	7 bbl cmt
7.1 :H2O	4 bbl H2O
13.8 wt.	39 cu. ft.
0 ann Psi	0 ann. ft

System 2	
225 sks	50/50 Poz H+2%D20+3%M117+5 pps D53+5 pps D42+0.25%D112
1.55 :yield	62 bbl cmt +0.25%D46+0.25%D65
7.1 :H2O	38 bbl H2O
13.8 wt.	349 cu. ft.
1444 ann. Psi	2013 ann. ft

Mud / Nitrogen	
bbl of 9.3 lb/gal mud	
scf/bbl cooldown nitrogen	
0 scf downhole	0 height ann.
0 scf total used	0 psi ann.hyd.

Mud Removal/Spacer	
20 bbl of CW100	8.33 lb/gal
648 ft ann. Height	281 psi ann. hyd.

Pipe Data			
5.500 O.D.	DV Tool		feet
4.892 I.D.			
Csg Wt.	Feet	cap.	volume
17	6743	0.0232	156.44 bbl
17	0	0.0232	0.00 bbl
14	0	0.0244	0.00 bbl

TD	6740 feet	3.00 ft above floor
TP	6743 feet	156.44 bbl
SJ	42.7 feet	0.99 bbl
Float @	6700.3 feet	155.45 bbl

Annular Data	
7.875 OH	cap. 0.0602 bbl/ft
0.0309 bbl/ft	0.1733 cuft/ft
32.4061 ft/bbl	5.7718 ft/cuft

Csg Wt. Air 114631 lb.
 CrossSect. Area 4.9624 sq. in.
 Bouyancy 20180 lb.
 Csg Wt. Fluid 94451 lb.
 Csg Inside Area 18.7959 sq. in.
 Csg Lift Pressure 5025 psi
 Ann Hydrostatic 4067 psi
 Differential 1164 psi

D909 Class H Plug down @ 11:45 hrs
 D132 Poz Lift Pressure 800 psi
 D020 Bentonite Bumped to 1300 psi
 M117 KCl Salt
 D112 Fluid Loss Thickening Time: 3:45 hrs
 D065 TIC Dispersant
 D0465 Antifoam
 D042 Kolite
 D053 Gypsum

Totals		
Nitrified Mud	0 bbl with	0 scf/bbl
CW100	20 bbl @	8.33 lb/gal
System 1	7 bbl @	13.8 lb/gal
System 2	62 bbl @	13.8 lb/gal
Displacement	155.4 bbl with	0 % flush
OpenHole Volume	406 bbl	
Annular Volume	208 bbl	
Total Cement	68 bbl	
Total Water	258 bbl needed	
Differential	1164 psi	
Casing Lift	5025 psi	
Top of Scav/Lead	4762 ft	
Top of Tail	4762 ft	
Total Excess	20 %	

Rig Water			
Chlorides	0	PH	6
Sulfates	0	Tanin/Lignin	n/a
Iron	0	usable?	yes

Displacement Chemicals		
	0 % Treated Displacement	
D047	0 gal/1000	0 gal total
L064	0 gal/1000	0 gal total
L055	0 gal/1000	0 gal total
L401	0 gal	0 gal total

Chemical Wash	
J237A	5 gal needed
D122A	10 gal needed

Time			
Stage	Vol	Rate	Minutes
N2/Mud	0	2	0
Spacer	20	5	4
Lead	7	5	1
Tail	62	5	12
Drop Plug	0	0	10
Displace	145.4	5	29
Slowdown	10	2	5
Total Pump Time			72

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