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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: ONEOK
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Cheyenne Drilling Inc.
License: 5382
Wellsite Geologist: NA

Designate Type of Completion:
[X] New Well [] Re-Entry [] Workover
[] Oil [] SWD [] SLOW [] Temp. Abd.
[X] Gas [] ENHR [] SIGW
[] Dry [] Other (Core, WSW, Expl, Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows
Operator:
Well Name: APR 12 2004

Original Comp. Date: Original Total Depth:
Deepening Re-perf. Conv. To Enhr./SWD
Plug Back Plug Back Total Depth
Completed Docket No.
Dual Completion Docket No.
Other (SWD or Enhr.?) Docket No.
12/14/03 12/17/03 01/10/04

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 055-21816-0000
County: Finney
E/2 - E/2 - NE - NW Sec 22 Twp. 25 S. R. 33W
660 feet from S (N) (circle one) Line of Section
2500 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW

Lease Name: Reeve A Well #: 3
Field Name: Panoma Council Grove
Producing Formation: Council Grove
Elevation: Ground: 2910 Kelly Bushing: 2917
Total Depth: 3148 Plug Back Total Depth: 3102
Amount of Surface Pipe Set and Cemented at 1032 feet
Multiple Stage Cementing Collar Used? [] Yes [X] No
If yes, show depth set
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 9600 ppm Fluid volume 850 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp, S. R. [] East [X] 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 April 8, 2004
Subscribed and sworn to before me this 8th day of April
20 04
Notary Public:
Date Commission Expires:

NOTARY PUBLIC, State of Kansas
Seward County
HELEN M. SMITH
My Appt. Exp. 5-5-2005

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

Side Two

Operator Name: OXY USA Inc. Lease Name: Reeve A Well #: 3
 Sec. 22 Twp. 25 S. R. 33W East West County: Finney

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wellington	2223	694
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hutch Salt	2326	591
List All E. Logs Run:	Induction Neutron	Hollenberg	2513	404
Microlog Acoustic Cement Bond		Herington	2545	372
		Krider	2569	348
		Odell	2584	333
		Winfield	2599	318
		Gage	2632	285

(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	1032	C	315	35/65 Poz + Additives
					C	150	Class C + Additives
Production	7 7/8	4 1/2	10.5	3146	C	165	Class C + Additives
					H	260	50/50 lite Poz + Additive

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing	-			
Plug Back TD				
Plug off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2828-2835, 2838-2842	Acidize - 2000 gls 15% HCL	
		Divert Frac - 12000 gls 20# Linear Gel,	
		15000# 100 mesh sand, 49000 gls 75Q N2	
		w/linear gel, 54548# 12/20 Brady Sand	

TUBING RECORD	Size 2 3/8	Set At 2874	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. 02/03/04	Producing Method <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 138.39	Water Bbls 45	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) _____

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ORIGINAL

Side Three

Operator Name: OXY USA Inc. Lease Name: Reeve A Well #: 3
Sec. 22 Twp. 25 S. R. 33W East West County: Finney

Name	Top	Datum
Towanda	2664	253
Base Towanda	2705	212
Ft. Riley	2717	200
Base Ft. Riley	2752	165
Wreford	2806	111
Council Grove Group	2826	91

RECEIVED
KANSAS CORPORATION COMMISSION

APR 12 2004

CONSERVATION DIVISION
WICHITA, KS

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ORIGINAL

Schlumberger

Service Order

2004-Apr-07

Customer OXY USA, INC.		Person Taking Call Sola Lasisi, Tajudeen		Dowell Location Perryton, TX		Order Date 2003-Dec-15		Job Number 2205544482							
Well Name and Number REEVE A-3			Legal Location SEC 22-T25S-R33		Field		County FINNEY CO		State/Province KANSAS						
Well Master: 0630543322			API / UWI:												
Rig Name			Well Age New		Sales Engineer Colthren, Randy			Job Type Cem Prod Casing							
Time Well Ready:		Deviation 0		Bit Size 7.88 in		Well MD 3,100 ft		Well TVD 3,100 ft		BHP psi					
								120 °F		98 °F					
Treat Down Casing		Packer Type		Packer Depth ft		Wellhead Connection 4 1/2 HS&M		HHP on Location		Max Allowed Pressure 2000					
Casing					Services Instructions:										
Depth, ft					Size, in					Weight, lb/ft		Grade		Thread	
3100					4.5					11.6					
Tubing					CEMENT 4 1/2 PRODUCTION CASING WITH:										
Depth, ft					Size, in					Weight, lb/ft		Grade		Thread	
Perforated Intervals					Extra Equipment:										
Top, ft		Bottom, ft		spf		No. of Shots		Total interval ft							
								in							
Expected On Location:						Ready To Pump:			APR 09 2004			RECEIVED KANSAS CORPORATION COMMISSION			

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APR 12 2004

Contact	Voice	Mobile	FAX	Notes	CONSERVATION DIVISION WICHITA, KS
Company Rep					

Notes:
 FLOAT EQUIPMENT= 1 TOP PLUG & BOTTOM PLUG
~~Job was~~ Job was done Dec. 17th

Directions:
 FROM PLYMELL SCHOOL ON HWY "83" GO 3-1/4 MILES NORTH ON HWY "83" TO ANNE SHEAR RD ==== 3-3/4 MILES WEST ON ANNE SHEAR RD TO RED GATES ON NORTH SIDE====8/10 MILES NORTH ==== WEST INTO LOCATION

Other Notes:
 FOLLOW ALL CONVOY POLICIES AND BE SAFE!!!

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Comments:

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APR 03 2004
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LS

Material	Description	Quantity Needed
D827	Chemical Wash CW100 D827	0 BL

Fluid Systems:

DISPLACE			
4 GAL L64 & 1 LB B59			
Density:	lb/gal	Thickening Time:	
Yield:	ft ³ /sk		
H2O Mix:	0 gal/sk		
H2O:	0 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowel Code	Conc/Amount	Total Quantity	
B069	1 lbs	1	
L064	4 gal	4	

SPACER			
20 BBLs CW100			
Density:	lb/gal	Thickening Time:	
Yield:	ft ³ /sk		
H2O Mix:	0 gal/sk		
H2O:	0 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowel Code	Conc/Amount	Total Quantity	
D122A	10 gal	10	
J237A	5 gal	5	

LEAD			
165 SKS CLASS C + 3% D079 + 0.2% D046 + 0.25 PPS D029			
Density:	11.0 lb/gal	Thickening Time:	
Yield:	3.3 ft ³ /sk		
H2O Mix:	20.34 gal/sk		
H2O:	3356.1 gal	Eq. Sack Weight:	94 lb
		Total Blend:	165 sacks
Dowel Code	Conc/Amount	Total Quantity	
CLASSC	94 lbs/sk	15510	
D79	2.82 lbs/sk	465.3	
D46	0.188 lbs/sk	31.02	
D29	0.25 lbs/sk	41.25	

TAIL			
260 SACKS 50:50 POZ H+2%D20+5 PPS D42+5 PPS D53+0.25%D112+0.25%D065+3%M117KCL+0.25%D46			
Density:	13.8 lb/gal	Thickening Time:	
Yield:	1.55 ft ³ /sk		
H2O Mix:	7.1 gal/sk		
H2O:	1846 gal	Eq. Sack Weight:	86.5 lb
		Total Blend:	260 sacks
Dowel Code	Conc/Amount	Total Quantity	
POZ	39.5 lbs/sk	10270	
D046	0.216 lbs/sk	56.16	
D020	1.73 lbs/sk	449.6	
D042	5 lbs/sk	1300	
D053	5 lbs/sk	1300	
D112	0.216 lbs/sk	56.16	
D065	0.216 lbs/sk	56.16	
M117	2.595 lbs/sk	674.7	
CLASS H	47 lbs/sk	12220	

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Schlumberger Job Date: 12-17-2003	Customer: Oxy USA
	District: Midland
	Representative: Oxy USA
	DS Supervisor: Armas, Juan
	Well: Reeve A-3

KCC

LS

APR 17 2004

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Time mm:dd:yyyy:hh:mm:ss	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	CMT STG VOL bbl
12:17:2003:08:14:58	50	0.0	8.24	0.0	0.0
12:17:2003:08:15:02	Pressure Test Lines				
12:17:2003:08:15:02	46	0.0	8.24	0.0	0.0
12:17:2003:08:15:04	Start Pumping Wash				
12:17:2003:08:15:08	41	0.0	8.24	0.0	0.0
12:17:2003:08:15:33	32	0.0	8.24	0.0	0.0
12:17:2003:08:16:08	18	0.0	8.24	0.0	0.0
12:17:2003:08:19:38	14	0.0	8.20	0.0	0.0
12:17:2003:08:20:19	18	0.0	8.22	0.0	0.0
12:17:2003:08:21:58	14	0.0	8.22	0.0	0.0
12:17:2003:08:27:49	14	0.0	8.23	0.0	0.0
12:17:2003:08:44:45	14	0.0	8.24	0.0	0.0
12:17:2003:08:45:55	179	1.6	8.24	0.7	0.7
12:17:2003:08:46:30	41	0.0	8.24	1.3	1.3
12:17:2003:08:47:05	188	1.6	8.24	1.5	1.6
12:17:2003:08:47:40	192	2.2	8.24	2.7	2.7
12:17:2003:08:48:15	192	2.6	8.24	4.1	4.1
12:17:2003:08:48:50	357	4.8	8.25	6.5	6.5
12:17:2003:08:49:25	417	5.4	8.25	9.6	9.5
12:17:2003:08:50:00	476	5.3	8.25	12.6	12.6
12:17:2003:08:50:35	604	5.3	8.26	15.7	15.7
12:17:2003:08:51:10	50	5.3	8.26	18.9	18.9
12:17:2003:08:51:45	293	5.2	7.17	22.0	22.0
12:17:2003:08:51:59	Reset Total, Vol = 23.23 bbl				
12:17:2003:08:51:59	311	5.3	8.20	23.2	23.2
12:17:2003:08:52:00	Start Mixing Lead Slurry				
12:17:2003:08:52:00	311	5.3	8.20	23.3	0.1
12:17:2003:08:52:20	343	5.4	11.70	25.1	1.9
12:17:2003:08:52:55	367	5.4	10.99	29.2	5.0
12:17:2003:08:53:30	362	5.5	11.18	31.4	8.1
12:17:2003:08:54:05	348	5.5	11.62	34.6	11.3
12:17:2003:08:54:40	307	5.2	10.84	37.6	14.4
12:17:2003:08:55:15	279	5.2	11.09	40.6	17.4
12:17:2003:08:55:50	261	5.2	11.15	43.7	20.4
12:17:2003:08:56:25	215	5.3	11.14	46.7	23.6
12:17:2003:08:57:00	220	5.3	11.08	49.8	26.6
12:17:2003:08:57:35	197	5.3	11.05	52.9	29.6
12:17:2003:08:58:10	183	5.3	11.16	56.0	32.7
12:17:2003:08:58:45	183	5.3	10.82	59.1	35.8
12:17:2003:08:59:20	169	5.3	10.96	62.1	38.9
12:17:2003:08:59:55	201	5.3	12.37	65.2	42.0
12:17:2003:09:00:30	146	5.3	9.75	68.3	45.1
12:17:2003:09:01:05	146	5.3	10.29	71.4	48.2
12:17:2003:09:01:40	78	4.0	9.83	74.2	51.0
12:17:2003:09:02:15	188	4.3	11.19	76.7	53.5
12:17:2003:09:02:50	105	4.3	10.54	79.2	56.0
12:17:2003:09:03:25	165	4.3	11.44	81.7	58.5
12:17:2003:09:04:01	96	4.3	11.99	84.3	61.1
12:17:2003:09:04:36	189	4.5	10.57	86.8	63.6
12:17:2003:09:05:11	96	4.4	11.60	89.4	66.1
12:17:2003:09:05:46	124	4.4	10.71	91.9	68.7
12:17:2003:09:06:21	105	4.5	10.83	94.5	71.2
12:17:2003:09:06:56	82	4.3	9.95	97.0	73.7
12:17:2003:09:07:31	124	4.3	11.47	99.6	76.2
12:17:2003:09:08:06	156	4.3	11.57	102.0	78.7
12:17:2003:09:08:41	156	4.4	13.33	104.6	81.3
12:17:2003:09:09:16	266	4.4	14.05	107.0	83.8

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Job Date: 12-17-2003

Time mm:dd:yyyy:hh:mm:ss	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	CMT STG VOL bbl
12:17:2003:09:10:26	229	4.6	14.19	112.3	89.0
12:17:2003:09:11:01	101	1.9	14.27	114.7	91.4
12:17:2003:09:11:36	224	3.6	15.57	115.7	92.4
12:17:2003:09:12:11	110	3.3	12.87	118.0	94.8
12:17:2003:09:12:46	92	1.9	14.17	119.9	96.7
12:17:2003:09:13:21	82	0.7	12.21	120.4	97.1
12:17:2003:09:13:56	89	0.8	10.66	120.8	97.6
12:17:2003:09:14:31	55	0.7	9.42	121.2	98.0
12:17:2003:09:15:06	101	3.0	12.10	122.3	99.1
12:17:2003:09:15:23	Reset Total, Vol = 99.92 bbl				
12:17:2003:09:15:23	114	3.0	13.36	123.2	99.9
12:17:2003:09:16:24	Start Mixing Tail Slurry				
12:17:2003:09:16:24	110	3.0	13.44	123.2	0.1
12:17:2003:09:15:41	101	3.3	13.14	124.1	1.0
12:17:2003:09:16:16	183	4.8	13.64	126.5	3.4
12:17:2003:09:16:51	211	4.9	13.56	129.4	6.2
12:17:2003:09:17:26	211	4.9	13.44	132.2	9.1
12:17:2003:09:18:01	192	4.9	13.41	135.1	12.0
12:17:2003:09:18:36	183	4.9	13.13	138.0	14.9
12:17:2003:09:19:11	179	4.9	12.41	140.9	17.8
12:17:2003:09:19:46	645	4.8	13.20	143.8	20.6
12:17:2003:09:20:21	119	5.0	12.09	146.7	23.5
12:17:2003:09:20:56	220	5.2	13.36	149.7	26.5
12:17:2003:09:21:31	220	5.2	13.46	152.7	29.5
12:17:2003:09:22:06	229	6.2	13.72	155.7	32.6
12:17:2003:09:22:41	247	4.9	13.85	158.5	35.4
12:17:2003:09:23:16	247	4.9	13.88	161.4	38.3
12:17:2003:09:23:51	96	3.4	14.06	163.4	40.3
12:17:2003:09:24:27	124	3.4	13.62	165.6	42.3
12:17:2003:09:25:02	133	3.4	14.17	167.5	44.3
12:17:2003:09:25:37	114	3.4	13.84	169.5	46.3
12:17:2003:09:26:12	101	3.4	13.69	171.5	48.3
12:17:2003:09:26:47	101	3.4	13.72	173.5	50.3
12:17:2003:09:27:22	101	3.4	14.17	175.5	52.3
12:17:2003:09:27:57	124	3.4	14.31	177.5	54.3
12:17:2003:09:28:32	105	3.5	13.90	179.5	56.3
12:17:2003:09:29:07	211	3.5	14.31	181.5	58.4
12:17:2003:09:29:42	87	3.5	14.14	183.6	60.4
12:17:2003:09:30:17	27	0.0	14.57	185.4	62.2
12:17:2003:09:30:52	23	0.0	14.61	185.4	62.2
12:17:2003:09:31:27	23	0.0	14.62	185.4	62.2
12:17:2003:09:32:02	50	1.1	11.85	185.4	62.2
12:17:2003:09:32:37	215	5.2	9.05	188.3	65.2
12:17:2003:09:33:12	156	5.2	7.60	191.3	68.2
12:17:2003:09:33:47	174	5.5	24.99	194.5	71.3
12:17:2003:09:34:22	233	5.5	8.03	197.6	74.5
12:17:2003:09:34:57	247	5.4	8.24	200.8	77.7
12:17:2003:09:35:32	238	5.5	8.24	204.0	80.8
12:17:2003:09:36:07	27	0.0	8.25	205.9	82.8
12:17:2003:09:36:42	23	0.0	8.22	205.9	82.8
12:17:2003:09:37:17	Reset Total, Vol = 81 bbl				
12:17:2003:09:37:17	96	3.9	8.22	206.5	83.3
12:17:2003:09:37:52	46	4.8	8.18	209.1	86.0
12:17:2003:09:38:00	Drop Top Plug				
12:17:2003:09:38:00	55	5.1	8.18	209.8	86.6
12:17:2003:09:38:01	Start Displacement				
12:17:2003:09:38:01	137	5.1	8.19	209.9	86.7
12:17:2003:09:38:27	105	5.1	8.21	212.1	88.9
12:17:2003:09:39:02	60	5.1	8.22	215.0	91.8
12:17:2003:09:39:37	60	5.1	8.22	218.0	94.9
12:17:2003:09:40:12	174	5.1	8.22	221.0	97.9
12:17:2003:09:40:47	46	5.1	8.25	224.0	16.5
12:17:2003:09:41:22	298	5.1	8.26	227.0	19.5

Well: Reeve A-

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Job Date: 12-17-2003

Time mm:dd:yyyy:hh:mm:ss	Treating Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	CMT STG VOL bbl
12:17:2003:09:41:57	311	5.1	8.27	229.9	22.5
12:17:2003:09:42:32	357	5.1	8.27	232.9	25.5
12:17:2003:09:43:07	558	5.1	8.27	235.9	28.5
12:17:2003:09:43:42	797	5.1	8.26	233.9	27.5
12:17:2003:09:44:18	407	5.1	8.26	242.0	30.6
12:17:2003:09:44:53	1025	5.1	8.25	244.9	33.6
12:17:2003:09:45:28	467	2.1	8.28	247.8	36.4
12:17:2003:09:46:03	563	2.4	8.26	249.2	37.8
12:17:2003:09:46:38	618	2.5	8.27	250.6	39.2
12:17:2003:09:47:13	632	2.5	8.27	252.0	40.7
12:17:2003:09:47:48	568	2.5	8.27	253.5	42.1
12:17:2003:09:48:18	Circulate cement to surface				
12:17:2003:09:48:18	691	2.5	8.27	254.7	43.3
12:17:2003:09:48:23	691	2.4	8.27	254.9	43.5
12:17:2003:09:48:58	719	2.5	8.27	256.3	44.0
12:17:2003:09:49:33	755	2.4	8.27	257.8	45.5
12:17:2003:09:50:08	783	2.4	8.27	259.2	46.9
12:17:2003:09:50:43	815	2.5	8.27	260.6	48.3
12:17:2003:09:51:18	719	2.5	8.27	262.1	49.7
12:17:2003:09:51:41	Bump Top Plug				
12:17:2003:09:51:41	1666	0.0	8.28	262.5	50.2
12:17:2003:09:51:51	Float is Holding				
12:17:2003:09:51:51	1539	0.0	8.26	262.5	50.2
12:17:2003:09:52:28	1291	0.0	8.26	262.5	50.2
12:17:2003:09:53:03	27	0.0	8.28	262.5	50.2
12:17:2003:09:53:38	37	0.0	8.26	262.5	50.2
12:17:2003:09:54:13	18	0.0	8.28	262.5	50.2
12:17:2003:09:54:31	Reset Total, Vol = 50.19 bbl				
12:17:2003:09:54:32	23	0.0	8.26	262.5	0.0
12:17:2003:09:54:48	18	0.0	8.26	262.5	0.0

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Comments:

Surf

Fluid Systems:

SPACER			
10 BBL OF FRESH WATER			
Density:	8.32 lb/gal	Thickening Time:	
Yield:	ft ³ /sk		
H2O Mix:	0 gal/sk		
H2O:	0 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowell Code	Concl Amount	Total Quantity	

TAIL			
150 SKS CLASS C+2%S1+0.25 PPS D29			
Density:	14.8 lb/gal	Thickening Time:	
Yield:	1.34 ft ³ /sk		
H2O Mix:	6.3 gal/sk		
H2O:	945 gal	Eq. Sack Weight:	94 lb
		Total Blend:	150 sacks
Dowell Code	Concl Amount	Total Quantity	
D029	0.25 lbs/sk	37.5	
S001	1.88 lbs/sk	282	
CLASS C	94 lbs/sk	14100	

LEAD			
315 SKS 35/65 POZ C + 6.0% D20 + 2% S1 + 0.5 PPS D29			
Density:	12.2 lb/gal	Thickening Time:	
Yield:	2.17 ft ³ /sk		
H2O Mix:	17.7 gal/sk		
H2O:	5575.5 gal	Eq. Sack Weight:	86.75 lb
		Total Blend:	315 sacks
Dowell Code	Concl Amount	Total Quantity	
D29	0.5 lbs/sk	157.5	
S001	1.775 lbs/sk	559.125	
D20	5.325 lbs/sk	1677.375	
POZ	27.65 lbs/sk	8709.75	
CLASS C	61.1 lbs/sk	19246.5	

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APR 12 2004

CONSERVATION DIVISION
WICHITA, KS

Schlumberger

ORIGINAL CONFIDENTIAL
Cementing Service Report

RECEIVED
KANSAS CORPORATION COMMISSION

APR 12 2004

Customer OXY USA, INC.		CONSERVATION DIVISION WICHITA, KS		Job Number 220554484					
Well KCC REEVE A-3	Location (Legal) SEC 22-T25S-R33W	Schlumberger Location Perryton, TX		Job Start 2003-Dec-15					
Field KCC	Formation Name/Type	Deviation	Bit Size 12.3 in	Well MD 1,050 ft	Well TVD 1,050 ft				
County APR 09 2004	State/Province KANSAS	BHP 1000 psi	BHST 90 °F	BHCT 90 °F	Pore Press. Gradient psi/ft				
Well Master 0630543322	API / UWI:	Casing/Liner							
Rig Name	Drilled For Oil & Gas	Service Via Land	Depth, ft 1050	Size, in 8.625	Weight, lb/ft 24				
Offshore Zone	Well Class New	Well Type Development	Grade K55	Thread BRD					
Drilling Fluid Type	Max. Density lb/gal	Plastic Viscosity cp	Tubing/Drill Pipe						
Service Line Cementing	Job Type Cem Surface Casing	Perforations/Open Hole							
Max. Allowed Tubing Pressure 1000 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection 8 5/8 HS&M	Top, ft	Bottom, ft	apf				
Service Instructions CEMENT 8 5/8 IN SURFACE CASING WITH: 315 SKS 35/65 POZ C + 6% D20 + 2% S1 + 0.5PPS D29 150 SKS CLASS C + 2% S001 + 0.25 PPS D29			No. of Shots	Total Interval ft					
			Diameter in						
			Treat Down Casing	Displacement 63.1 bbl	Packer Type None				
			Tubing Vol. bbl	Casing Vol. 66 bbl	Annular Vol. 107 bbl				
			Open Hole Vol. 173 bbl						
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>		Casing Tools					
LIR Pressure: 270 psi		Shoe Type: None		Squeeze Job					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth: 1050 ft					
No. Centralizers: 1		Top Plugs: 1		Bottom Plugs: 0					
Cement Head Type: Single		Stage Tool Type:		Tool Depth: ft					
Job Scheduled For:		Arrived on Location: 2003-Dec-15 6:30		Leave Location: 2003-Dec-15 9:30					
		#Collar Type: None		Tail Pipe Size: in					
		Collar Depth: ft		Tail Pipe Depth: ft					
				4qt Total Vol: bbl					
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	Volume bbl	CMT DENS lb/gal	0	0	0	Message
2003-Dec-15	7:14	0	0.0	0.0	8.44	0	0	0	
2003-Dec-15	7:14	0	0.0	0.0	8.44	0	0	0	
2003-Dec-15	7:14								Start Job
2003-Dec-15	7:15								Pressure Test Lines
2003-Dec-15	7:15	0	0.0	0.0	8.44	0	0	0	
2003-Dec-15	7:15	-5	0.0	0.0	8.44	0	0	0	
2003-Dec-15	7:16	64	0.5	0.0	8.46	0	0	0	
2003-Dec-15	7:17	-3799	0.0	0.1	8.44	0	0	0	Pressure Test Lines
2003-Dec-15	7:17								
2003-Dec-15	7:17	-5	0.0	0.1	8.44	0	0	0	Start Pumping Spacer
2003-Dec-15	7:17								
2003-Dec-15	7:17	0	0.0	0.1	8.44	0	0	0	
2003-Dec-15	7:17	-5	0.0	0.1	8.44	0	0	0	Reset Total, Vol = 0.11 bbl
2003-Dec-15	7:17								
2003-Dec-15	7:18	-9	0.0	0.0	8.44	0	0	0	
2003-Dec-15	7:19	-23	0.0	0.0	8.52	0	0	0	
2003-Dec-15	7:19	-27	2.9	1.8	8.51	0	0	0	
2003-Dec-15	7:20	-27	4.5	4.7	8.51	0	0	0	
2003-Dec-15	7:21	-27	4.7	8.6	8.49	0	0	0	End Spacer
2003-Dec-15	7:22								
2003-Dec-15	7:22	-27	4.7	12.1	8.47	0	0	0	Start Mixing Lead Slurry
2003-Dec-15	7:22								

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Well		Field			Service Date		Customer		Job Number
REEVE #A-3					03349-Dec-15		OKY USA, INC.		2205544481
Date	Time	Tramming Pressure	Flow Rate	Volume	CMT DEMS				Message
	24 hr clock	psi	bbt/min	bbt	bbt/gal				
2003-Dec-15	7:22	-27	4.7	12.2	8.47	0	0	0	
2003-Dec-15	7:22	-27	4.7	12.6	8.47	0	0	0	
2003-Dec-15	7:23								Reset Total, Vol = 15.19 bbl
2003-Dec-15	7:23	-27	4.8	15.2	8.46	0	0	0	
2003-Dec-15	7:23	-27	4.9	1.4	8.65	0	0	0	KCC
2003-Dec-15	7:24	-27	4.9	5.5	9.93	0	0	0	APR 09 2004
2003-Dec-15	7:24	-27	5.0	9.6	11.50	0	0	0	
2003-Dec-15	7:25	-27	5.0	13.8	12.63	0	0	0	CONFIDENTIAL
2003-Dec-15	7:26	-27	5.1	18.0	12.68	0	0	0	
2003-Dec-15	7:27	-32	5.1	22.3	12.60	0	0	0	
2003-Dec-15	7:28	-27	5.2	26.5	12.57	0	0	0	
2003-Dec-15	7:29	-27	5.2	30.9	12.70	0	0	0	
2003-Dec-15	7:29	-27	5.2	35.2	12.27	0	0	0	
2003-Dec-15	7:30	-27	5.1	39.5	12.38	0	0	0	
2003-Dec-15	7:31	0	5.1	43.8	12.56	0	0	0	
2003-Dec-15	7:32	5	5.1	48.1	12.62	0	0	0	
2003-Dec-15	7:33	9	5.1	52.3	12.45	0	0	0	
2003-Dec-15	7:34	23	5.0	56.5	12.34	0	0	0	
2003-Dec-15	7:34	32	5.0	60.7	12.11	0	0	0	
2003-Dec-15	7:35	37	5.0	64.8	12.43	0	0	0	
2003-Dec-15	7:36	-5	5.0	69.0	12.68	0	0	0	
2003-Dec-15	7:37	-27	5.0	73.2	12.53	0	0	0	
2003-Dec-15	7:38	219	5.0	77.4	12.66	0	0	0	RECEIVED
2003-Dec-15	7:39	214	5.1	81.6	12.45	0	0	0	KANSAS CORPORATION COMMISSION
2003-Dec-15	7:39	210	5.1	85.8	12.10	0	0	0	APR 12 2004
2003-Dec-15	7:40	210	5.1	90.1	12.68	0	0	0	
2003-Dec-15	7:41	205	5.2	94.3	12.63	0	0	0	CONSERVATION DIVISION
2003-Dec-15	7:42	210	5.1	98.6	12.34	0	0	0	WICHITA, KS
2003-Dec-15	7:43	205	5.2	103.0	12.17	0	0	0	
2003-Dec-15	7:44	210	5.2	107.3	12.49	0	0	0	
2003-Dec-15	7:44	200	5.2	111.7	12.05	0	0	0	
2003-Dec-15	7:45	205	5.2	116.0	12.36	0	0	0	
2003-Dec-15	7:46	210	5.2	120.3	12.39	0	0	0	
2003-Dec-15	7:47	200	5.2	124.6	11.80	0	0	0	
2003-Dec-15	7:48	146	3.0	128.7	10.50	0	0	0	
2003-Dec-15	7:49	141	2.9	131.2	10.33	0	0	0	
2003-Dec-15	7:49	141	2.9	131.7	11.25	0	0	0	
2003-Dec-15	7:49								Start Mixing Tail Slurry
2003-Dec-15	7:49	141	2.9	131.7	11.37	0	0	0	End Lead Slurry
2003-Dec-15	7:49								
2003-Dec-15	7:49	136	2.9	132.0	11.89	0	0	0	Reset Total, Vol = 131.97 bbl
2003-Dec-15	7:49								
2003-Dec-15	7:49	146	2.9	1.7	13.80	0	0	0	
2003-Dec-15	7:50	187	4.8	4.3	14.62	0	0	0	
2003-Dec-15	7:51	187	4.2	8.2	14.95	0	0	0	
2003-Dec-15	7:52	246	4.8	12.2	15.65	0	0	0	
2003-Dec-15	7:53	285	5.3	16.5	14.62	0	0	0	
2003-Dec-15	7:54	219	5.3	20.9	14.72	0	0	0	
2003-Dec-15	7:55	228	5.3	25.4	15.17	0	0	0	
2003-Dec-15	7:55	265	5.3	29.9	15.24	0	0	0	
2003-Dec-15	7:56	210	4.8	34.0	14.73	0	0	0	
2003-Dec-15	7:57	91	0.0	36.0	14.78	0	0	0	
2003-Dec-15	7:58	91	0.0	36.0	9.74	0	0	0	
2003-Dec-15	7:59	91	0.0	36.0	9.78	0	0	0	

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Well		Field		Service Date		Customer		Job Number	
REEVE #A-3				03349-Dec-15		OXY USA, INC.		220544461	
Date	Time	Treating Pressure	Flow Rate	Volume	CMY DENR				Message
	24 hr clock	psi	bbbl/min	gal	lb/gal				
2003-Dec-15	8:00	86	0.0	36.0	9.54	0	0	0	KCC
2003-Dec-15	8:00	95	0.0	36.0	9.30	0	0	0	APR 0 2004
2003-Dec-15	8:01	95	0.0	36.0	9.02	0	0	0	
2003-Dec-15	8:02	91	0.0	36.0	9.06	0	0	0	CONFIDENTIAL
2003-Dec-15	8:03	146	2.9	36.1	9.11	0	0	0	
2003-Dec-15	8:03								End Tail Slurry
2003-Dec-15	8:03	146	3.3	38.0	9.10	0	0	0	
2003-Dec-15	8:04	146	3.3	38.2	9.10	0	0	0	
2003-Dec-15	8:04								Start Displacement
2003-Dec-15	8:04	146	3.3	38.7	9.10	0	0	0	
2003-Dec-15	8:05	146	3.6	8.4	8.46	0	0	0	
2003-Dec-15	8:05	141	3.6	11.4	8.54	0	0	0	
2003-Dec-15	8:06	146	3.6	14.4	8.44	0	0	0	
2003-Dec-15	8:07	146	3.6	17.4	8.44	0	0	0	
2003-Dec-15	8:08	150	3.6	20.4	8.47	0	0	0	
2003-Dec-15	8:09	150	3.6	23.3	8.44	0	0	0	
2003-Dec-15	8:10	150	3.6	26.3	8.44	0	0	0	
2003-Dec-15	8:10	173	3.6	29.3	8.45	0	0	0	RECEIVED KANSAS CORPORATION COMMISSION
2003-Dec-15	8:11	173	3.6	35.9	8.45	0	0	0	
2003-Dec-15	8:12	196	3.6	38.9	8.44	0	0	0	APR 12 2004
2003-Dec-15	8:13	200	3.6	41.9	8.44	0	0	0	
2003-Dec-15	8:14	233	3.6	44.9	8.44	0	0	0	CONSERVATION DIVISION WICHITA, KS
2003-Dec-15	8:15	283	2.9	47.5	8.44	0	0	0	
2003-Dec-15	8:15	274	2.9	50.0	8.44	0	0	0	
2003-Dec-15	8:16	274	2.4	52.4	8.44	0	0	0	
2003-Dec-15	8:17	287	2.4	54.4	8.44	0	0	0	
2003-Dec-15	8:18	306	2.4	56.4	8.44	0	0	0	
2003-Dec-15	8:19	320	2.4	58.4	8.44	0	0	0	
2003-Dec-15	8:20	324	1.9	60.3	8.44	0	0	0	
2003-Dec-15	8:20	338	1.7	61.8	8.44	0	0	0	
2003-Dec-15	8:21	352	1.7	63.2	8.44	0	0	0	
2003-Dec-15	8:22	356	1.7	64.7	8.44	0	0	0	
2003-Dec-15	8:23	654	0.0	65.3	8.44	0	0	0	
2003-Dec-15	8:24	301	0.0	65.3	8.44	0	0	0	
2003-Dec-15	8:25	100	0.0	65.3	8.44	0	0	0	
2003-Dec-15	8:25	104	0.0	65.3	8.44	0	0	0	End Displacement
2003-Dec-15	8:25								Drop Top Plug
2003-Dec-15	8:25	100	0.0	65.3	8.44	0	0	0	Bump Top Plug
2003-Dec-15	8:25								
2003-Dec-15	8:25	100	0.0	65.3	8.44	0	0	0	End Job
2003-Dec-15	8:25								
2003-Dec-15	8:25	95	0.0	65.3	8.44	0	0	0	
2003-Dec-15	8:40								

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Well REEVE #A-3		Field		Service Date 03348-Dec-15		Customer OXY USA, INC.		Job Number 2205544481	
Date	Time 24 hr clock							Message	
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5	0	0	6	159	0	10			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1000		200	650			bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	70 bbl		
%	158 bbl		63 bbl	°F	<input type="checkbox"/> Washed Thru Parts	To	ft		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost		<input checked="" type="checkbox"/> Job Completed	
FILLPOT, GREGG			Gonzales, Paul						

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APR 12 2004

CONSERVATION DIVISION
WICHITA, KS