

JUN 27 2006

CONSERVATION DIVISION
WICHITA, KS

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: Regency
Operator Contact Person: Vicki Carder **KCC**
Phone: (620) 629-4200
Contractor: Name: Cheyenne Drilling LP **JUN 26 2006**
License: 33375
Wellsite Geologist: NA **CONFIDENTIAL**
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
02/26/06 02/28/06 03/31/06
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 055-21900 0000
County: Finney
 - - NW - NW Sec 35 Twp. 23 S. R. 34W
660 feet from S (N) Line of Section
660 feet from E (W) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Garden City M Well #: 3
Field Name: Panoma
Producing Formation: Council Grove
Elevation: Ground: 2951 Kelly Bushing: 2958
Total Depth: 3141 Plug Back Total Depth: 3088
Amount of Surface Pipe Set and Cemented at 1077 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 W M
(Data must be collected from the Reserve Pit) 7-2-07
Chloride content 17000 mg/l ppm Fluid volume 900 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp, _____ S. R. East West
County: _____ Docket No.: _____

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

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

Signature: Vicki Carder
Title: Capital Project Date 06/26/06
Subscribed and sworn to before me this 26 day of June
20 06
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2009

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

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

ORIGINAL

Side Two

Operator Name: OXY USA Inc. Lease Name: Garden City M Well #: 3

Sec. 35 Twp. 23 S. R. 34W 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, Samples Sent to Geological Survey, Cores Taken, Electric Log Run, List All E. Logs Run: CBL, Neutron, Induction, Microlog. Log Formation (Top), Depth and Datum table with entries: Hollenberg, Herington, Krider, Winfield, Towanda, Council, A1 LM.

CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Rows for Conductor, Surface, and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Table for Additional Cementing / Squeeze Record with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD table with columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/type, Acid, Fracture, Shot, Cement Squeeze Record, Depth.

TUBING RECORD, Date of First, Resumed Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours, Oil BBLs, Gas Mcf, Water Bbls, Gas-Oil Ratio, Gravity.

Disposition of Gas, METHOD OF COMPLETION, Production Interval. Includes checkboxes for Vented, Sold, Used on Lease, Open Hole, Perf., Dually Comp., Commingled, Other.

Handwritten notes and stamps at the bottom right of the page.

Side Three

Operator Name: OXY USA Inc. Lease Name: Garden City M Well #: 3

Sec. 35 Twp. 23 S. R. 34W East West County: Finney

<u>Name</u>	<u>Top</u>	<u>Datum</u>
B1 SH .	2820	137
B1 LM	2839	118
B2 SH	2851	106

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KANSAS CORPORATION COMMISSION
JUN 27 2006
CONSERVATION DIVISION
WICHITA, KS

Cementing Service Report

JUN 27 2006
Schlumberger
CONSERVATION DIVISION
WICHITA, KS

Customer OXY USA, INC.	Job Number 2205549640
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Well GARDEN CITY M	Location (legal)	Schlumberger Location Perryton, TX	Job Start 2006-Feb-27
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Field	Formation Name/Type Clean-Sandstone	Deviation °	Bit Size 12.3 in	Well MD 1,078 ft	Well TVD 1,078 ft
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County FINNEY	State/Province KS	BHP psi	BHST 98 °F	BHCT 85 °F	Pore Press. Gradient psi/ft
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Well Master: 0630765663	API / UWI:	Casing/Liner			
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Rig Name CHEYENNE 11	Drilled For Oil & Gas	Service Via	Depth, ft 1082	Size, in 8.63	Weight, lb/ft 24	Grade K55	Thread 8RD
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Offshore Zone	Well Class New	Well Type Other	Tubing/Drill Pipe				
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Drilling Fluid Type Bentonite	Max. Density 9 lb/gal	Plastic Vt: cp 35	Depth,	Size, in	Weight, lb/ft	Grade	Thread
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Service Line Cementing	Job Type Cem Surface Casing	Perforations/Open Hole					
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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
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Service Instructions CEMENT 8 5/8" SURFACE CASING WITH: 10 BBL FRESH WATER 305 SK 35.65 POZ C + 6% D020 + 2% S001 + 0.5 pps D029 195 SK CLASS C + 2% S001 + 0.25 pps D029 DISPLACE WITH FRESH WATER			Diameter in	
Treat Down Casing	Displacement .66 bbl	Packer Type	Packer Depth ft	
Tubing Vol. bbl	Casing Vol. 69 bbl	Annular Vol. 80 bbl	OpenHole Vol 157 bbl	

Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/>	Casing Tools		Squeeze Job	
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Lift Pressure: 400 psi	Shoe Type: Guide	Squeeze Type
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth: 1077 ft
No. Centralizers: 4	Top Plugs: 1	Bottom Plugs:
Cement Head Type: Single	Stage Tool Type:	Tool Depth: ft
Job Scheduled For:	Arrived on Location: 2006-Feb-27 2:00	Leave Location: 2006-Feb-27 10:30
Collar Type: Auto-Fill	Stage Tool Depth: ft	Tail Pipe Size: in
Collar Depth: 1039 ft	Tail Pipe Depth: ft	Tail Pipe Depth: 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-Feb-27	8:31	22	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:32	22	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:32								Start Job
2006-Feb-27	8:32								Pressure Test Lines
2006-Feb-27	8:32	22	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:32	5	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:32	0	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:33	0	0.0	8.35	0.0	0.0	0	0	
2006-Feb-27	8:33	0	0.0	8.34	0.0	0.0	0	0	
2006-Feb-27	8:34	23	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:34	32	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:35	14	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:35	23	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:36	18	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:36								Start Water Ahead
2006-Feb-27	8:36	833	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:36	82	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:37	0	0.0	8.33	0.0	0.0	0	0	
2006-Feb-27	8:37	943	0.0	8.33	0.1	0.1	0	0	
2006-Feb-27	8:38	2051	0.0	8.33	0.1	0.1	0	0	
2006-Feb-27	8:38	1996	0.0	8.33	0.1	0.1	0	0	
2006-Feb-27	8:39	0	0.0	8.33	0.1	0.1	0	0	

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Well		Field			Service Date		Customer		Job Number
GARDEN CITY #M					0658-Feb-27		OXY USA, INC.		2205549640
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-Feb-27	8:39	23	0.0	8.33	0.1	0.1	0	0	
2006-Feb-27	8:40	142	5.4	8.04	0.5	0.5	0	0	
2006-Feb-27	8:40	197	5.7	8.30	3.3	3.3	0	0	
2006-Feb-27	8:41	188	5.7	8.28	6.2	6.2	0	0	
2006-Feb-27	8:41	192	5.7	8.30	9.0	9.0	0	0	
2006-Feb-27	8:42	188	5.7	9.12	11.7	11.7	0	0	
2006-Feb-27	8:42								Reset Total, Vol = 11.68 bbl
2006-Feb-27	8:42	192	5.7	9.21	0.2	0.2	0	0	
2006-Feb-27	8:42	192	5.7	9.86	0.4	0.4	0	0	
2006-Feb-27	8:42								Start Mixing Lead Slurry
2006-Feb-27	8:42	266	5.7	12.61	3.0	3.0	0	0	
2006-Feb-27	8:43	229	5.7	11.28	5.9	5.9	0	0	
2006-Feb-27	8:43	243	5.7	12.00	8.8	8.8	0	0	
2006-Feb-27	8:44	233	5.7	12.16	11.6	11.6	0	0	
2006-Feb-27	8:44	233	5.7	12.21	14.5	14.5	0	0	
2006-Feb-27	8:45	224	5.7	12.12	17.3	17.3	0	0	
2006-Feb-27	8:45	215	5.7	12.27	20.2	20.2	0	0	
2006-Feb-27	8:46	197	5.7	11.85	23.0	23.0	0	0	
2006-Feb-27	8:46	211	5.7	12.20	25.9	25.9	0	0	
2006-Feb-27	8:47	206	5.7	11.74	28.7	28.7	0	0	
2006-Feb-27	8:47	192	5.7	12.02	31.6	31.6	0	0	
2006-Feb-27	8:48	201	5.7	12.25	34.5	34.5	0	0	
2006-Feb-27	8:48	197	5.7	11.78	37.4	37.4	0	0	
2006-Feb-27	8:49	206	5.7	12.34	40.2	40.2	0	0	
2006-Feb-27	8:49	197	5.7	11.79	43.1	43.1	0	0	
2006-Feb-27	8:50	192	5.7	12.00	46.0	46.0	0	0	
2006-Feb-27	8:50	142	5.5	12.08	48.2	48.2	0	0	
2006-Feb-27	8:51	179	4.6	12.02	51.0	51.0	0	0	
2006-Feb-27	8:51	124	3.9	12.08	53.0	53.0	0	0	
2006-Feb-27	8:52	192	5.7	12.03	55.7	55.7	0	0	
2006-Feb-27	8:52	119	3.9	11.90	58.3	58.3	0	0	
2006-Feb-27	8:53	188	5.7	12.26	60.9	60.9	0	0	
2006-Feb-27	8:53	192	5.7	12.23	63.8	63.8	0	0	
2006-Feb-27	8:54	197	5.7	12.16	66.6	66.6	0	0	
2006-Feb-27	8:54	188	5.7	12.10	69.5	69.5	0	0	
2006-Feb-27	8:55	188	5.7	12.18	72.3	72.3	0	0	
2006-Feb-27	8:55	192	5.7	12.32	75.2	75.2	0	0	
2006-Feb-27	8:56	197	5.7	11.95	78.1	78.1	0	0	
2006-Feb-27	8:56	169	5.7	11.94	80.9	80.9	0	0	
2006-Feb-27	8:57	188	5.7	12.43	83.8	83.8	0	0	
2006-Feb-27	8:57	188	5.7	12.39	86.6	86.6	0	0	
2006-Feb-27	8:58	192	5.7	12.24	89.5	89.5	0	0	
2006-Feb-27	8:58	183	5.7	12.12	92.3	92.3	0	0	
2006-Feb-27	8:59	179	5.7	12.13	95.2	95.2	0	0	
2006-Feb-27	9:00	165	5.7	11.59	98.1	98.1	0	0	
2006-Feb-27	9:00	266	3.9	11.76	100.5	100.5	0	0	
2006-Feb-27	9:01	197	5.7	12.63	103.3	103.3	0	0	
2006-Feb-27	9:01	192	5.7	12.40	106.1	106.1	0	0	
2006-Feb-27	9:02	179	5.7	12.27	109.0	109.0	0	0	
2006-Feb-27	9:02	183	5.7	12.29	111.8	111.8	0	0	
2006-Feb-27	9:03	174	5.7	12.11	114.7	114.7	0	0	
2006-Feb-27	9:03	165	5.7	11.74	117.6	117.6	0	0	
2006-Feb-27	9:03								Reset Total, Vol = 118.32 bbl
2006-Feb-27	9:03	156	5.7	12.11	118.3	118.3	0	0	

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Well		Field			Service Date		Customer		Job Number
GARDEN CITY #M					0658-Feb-27		OXY USA, INC.		2205549640
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-Feb-27	9:03								Start Mixing Tail Slurry
2006-Feb-27	9:03	169	5.7	12.72	0.7	0.7	0	0	
2006-Feb-27	9:04	201	5.7	13.84	2.1	2.1	0	0	
2006-Feb-27	9:04	238	5.7	14.52	4.9	4.9	0	0	
2006-Feb-27	9:05	252	5.7	14.82	7.8	7.8	0	0	
2006-Feb-27	9:05	256	5.7	14.75	10.7	10.7	0	0	
2006-Feb-27	9:06	247	5.7	14.74	13.5	13.5	0	0	
2006-Feb-27	9:06	247	5.7	14.70	16.4	16.4	0	0	
2006-Feb-27	9:07	220	5.7	14.72	18.8	18.8	0	0	
2006-Feb-27	9:07	252	5.7	14.75	21.6	21.6	0	0	
2006-Feb-27	9:08	247	5.7	14.76	24.5	24.5	0	0	
2006-Feb-27	9:08	151	3.9	14.76	27.1	27.1	0	0	
2006-Feb-27	9:09	247	5.7	14.77	29.8	29.8	0	0	
2006-Feb-27	9:09	137	3.9	14.71	32.3	32.3	0	0	
2006-Feb-27	9:10	238	5.7	14.71	35.0	35.0	0	0	
2006-Feb-27	9:10	137	3.9	14.69	37.5	37.5	0	0	
2006-Feb-27	9:11	247	5.7	14.70	40.1	40.1	0	0	
2006-Feb-27	9:11	233	5.7	14.69	43.1	43.1	0	0	
2006-Feb-27	9:12	256	5.7	14.94	45.6	45.6	0	0	
2006-Feb-27	9:12	114	2.5	14.77	47.0	47.0	0	0	
2006-Feb-27	9:12								Reset Total, Vol = 47.41 bbl
2006-Feb-27	9:12	14	0.3	13.85	47.4	47.4	0	0	
2006-Feb-27	9:12								Start Displacement
2006-Feb-27	9:12	9	0.0	13.84	0.0	0.0	0	0	
2006-Feb-27	9:13	14	0.0	12.27	0.0	0.0	0	0	
2006-Feb-27	9:13	9	0.0	13.80	0.0	0.0	0	0	
2006-Feb-27	9:14	9	0.0	14.04	0.0	0.0	0	0	
2006-Feb-27	9:14	9	0.0	14.07	0.0	0.0	0	0	
2006-Feb-27	9:15	9	0.0	14.11	0.0	0.0	0	0	
2006-Feb-27	9:15	5	0.0	14.09	0.0	0.0	0	0	
2006-Feb-27	9:16	9	0.0	13.88	0.0	0.0	0	0	
2006-Feb-27	9:16	124	5.7	9.33	1.3	1.3	0	0	
2006-Feb-27	9:17	96	5.7	8.62	4.2	4.2	0	0	
2006-Feb-27	9:17	87	5.7	8.39	7.1	7.1	0	0	
2006-Feb-27	9:18	69	5.7	8.33	9.9	9.9	0	0	
2006-Feb-27	9:18	82	5.7	8.32	12.8	12.8	0	0	
2006-Feb-27	9:19	82	5.7	8.31	15.6	15.6	0	0	
2006-Feb-27	9:19	82	5.7	8.31	18.5	18.5	0	0	
2006-Feb-27	9:20	82	5.7	8.31	21.3	21.3	0	0	
2006-Feb-27	9:20	101	5.7	8.48	24.2	24.2	0	0	
2006-Feb-27	9:21	119	5.7	8.34	27.0	27.0	0	0	
2006-Feb-27	9:21	133	5.7	8.34	29.9	29.9	0	0	
2006-Feb-27	9:22	156	5.7	8.33	32.7	32.7	0	0	
2006-Feb-27	9:22	156	5.7	8.32	35.6	35.6	0	0	
2006-Feb-27	9:23	188	5.3	8.33	38.4	38.4	0	0	
2006-Feb-27	9:23	183	5.2	8.33	41.1	41.1	0	0	
2006-Feb-27	9:24	174	5.3	8.31	43.7	43.7	0	0	
2006-Feb-27	9:24	229	5.7	8.32	46.3	46.3	0	0	
2006-Feb-27	9:25	261	5.7	8.32	49.1	49.1	0	0	
2006-Feb-27	9:25	279	5.7	8.32	52.0	52.0	0	0	
2006-Feb-27	9:26	293	5.7	8.32	54.8	54.8	0	0	
2006-Feb-27	9:26	215	2.5	8.32	57.2	57.2	0	0	
2006-Feb-27	9:27	224	2.5	8.32	58.4	58.4	0	0	
2006-Feb-27	9:27	243	2.5	8.32	59.6	59.6	0	0	

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Well		Field		Service Date		Customer		Job Number		
GARDEN CITY #M				0658-Feb-27		OXY USA, INC.		2205549640		
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message	
	24 hr clock	psi	bb/min	lb/gal	bbl	bbl	0	0		
2006-Feb-27	9:28	270	2.5	8.32	60.9	60.9	0	0	KCC JUN 26 2006 CONFIDENTIAL	
2006-Feb-27	9:28	256	2.5	8.32	62.1	62.1	0	0		
2006-Feb-27	9:29	266	2.5	8.32	63.3	63.3	0	0		
2006-Feb-27	9:29	302	2.5	8.32	64.6	64.6	0	0		
2006-Feb-27	9:30	288	2.5	8.32	65.8	65.8	0	0		
2006-Feb-27	9:30	302	2.5	8.32	67.1	67.1	0	0		
2006-Feb-27	9:31	870	0.0	8.32	67.9	67.9	0	0		
2006-Feb-27	9:31	874	0.0	8.33	67.9	67.9	0	0		
2006-Feb-27	9:31	5	0.0	8.33	67.9	67.9	0	0		
2006-Feb-27	9:31									Reset Total, Vol = 67 bbl by tanks
2006-Feb-27	9:32	5	0.0	8.33	0.0	0.0	0	0		
2006-Feb-27	9:32	9	0.0	8.33	0.0	0.0	0	0		
2006-Feb-27	9:32								End Displacement	
2006-Feb-27	9:32	5	0.0	8.33	0.0	0.0	0	0		
2006-Feb-27	9:32								End Job	
Post Job Summary										
Average Pump Rates, bpm					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
5			5.7	166		10				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density				
300		150	850		bbl	8.34 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	35 bbl				
%	165 bbl	67 bbl	60 °F	<input type="checkbox"/> Washed Thru Perfs	To	ft				
Customer or Authorized Representative			Schlumberger Supervisor							
Fillpot, Greg			Grigoriev, Valeriy				<input type="checkbox"/> CirculationLost	<input checked="" type="checkbox"/> Job Completed		

CONFIDENTIAL
Cementing Service Report

Customer OXY USA, INC.						Job Number 2205550341			
CONSERVATION DIVISION WICHITA, KS GARDEN CITY M-3			Location (legal) Sec 35-T23S-R34S			Schlumberger Location Perryton, TX			Job Start
Field PANOMA		Formation Name/Type Clean-Sandstone		Deviation °	Bit Size 7.78 in	Well MD 3,078 ft	Well TVD 3,078 ft		
County FINNEY		State/Province KANSAS		BHP psi	BHST 111 °F	BHCT 89 °F	Pore Press. Gradient psi/ft		
Well Master: 0630765663		API / UWI: 15055219000000		Casing/Liner					
Rig Name CHEYENNE 11	Drilled For Gas	Service Via		Depth, ft 3100	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 Bentonite		Max. Density 9 lb/gal	Plastic VI: 30	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 170 SK 35:65 POZ:CLASS C + 6% D020 + 2% S001 + 0.5 pps D029 225 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 bbl	Packer Type	Packer Depth ft	
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>	Casing Tools			Squeeze Job				
LIR Pressure: 2000 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input checked="" type="checkbox"/>		Shoe Type: Guide	Shoe Depth: 3141 ft	Squeeze Type Tool Type:			
No. Centralizers: 20	Top Plugs: 1	Bottom Plugs:		Stage Tool Type:	Tool Depth: ft				
Cement Head Type: Single			Stage Tool Depth: ft	Tail Pipe Size: in					
Job Scheduled For:	Arrived on Location:	Leave Location:		Collar Type: Auto-Fill	Collar Depth: 3095 ft	Tail Pipe Depth: ft	Sqz Total Vol: bbl		
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-01	19:21	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:21								Start Job
2006-Mar-01	19:21	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:21								Pressure Test Lines
2006-Mar-01	19:21	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:21	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:22	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:22	17	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:23	0	0.0	8.36	0.0	0.0	0	0	
2006-Mar-01	19:23	101	0.0	8.36	0.1	0.1	0	0	
2006-Mar-01	19:24	2275	0.0	8.36	0.2	0.2	0	0	
2006-Mar-01	19:24	2174	0.0	8.36	0.2	0.2	0	0	
2006-Mar-01	19:25	78	2.8	8.38	0.3	0.3	0	0	
2006-Mar-01	19:25	142	5.5	8.36	2.0	2.0	0	0	
2006-Mar-01	19:25	201	5.8	8.36	2.6	2.6	0	0	
2006-Mar-01	19:25								Start Chemical Wash
2006-Mar-01	19:26	188	6.2	8.36	5.0	5.0	0	0	
2006-Mar-01	19:26	206	6.2	8.36	8.1	8.1	0	0	
2006-Mar-01	19:27	220	6.4	8.37	11.3	11.3	0	0	
2006-Mar-01	19:27	192	6.6	8.36	14.5	14.5	0	0	
2006-Mar-01	19:28	233	6.7	8.36	17.8	17.8	0	0	
2006-Mar-01	19:28	334	6.2	8.37	21.0	21.0	0	0	

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Well		Field			Service Date		Customer		Job Number
GARDEN CITY #M-3		PANOMA					OXY USA, INC.		2205550341
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-01	19:28								Reset Total, Vol = 21.60 bbl
2006-Mar-01	19:28	192	6.2	8.36	21.6	21.6	0	0	
2006-Mar-01	19:28								Start Water Spacer
2006-Mar-01	19:28	220	6.3	8.35	0.2	0.2	0	0	
2006-Mar-01	19:29	243	6.4	8.27	2.6	2.6	0	0	
2006-Mar-01	19:29								Reset Total, Vol = 5.25 bbl
2006-Mar-01	19:29	266	6.5	9.48	5.3	5.3	0	0	
2006-Mar-01	19:29	293	6.5	9.71	0.2	0.2	0	0	
2006-Mar-01	19:29								Start Mixing Lead Slurry
2006-Mar-01	19:29	238	6.5	10.01	0.5	0.5	0	0	
2006-Mar-01	19:30	252	6.6	10.85	3.8	3.8	0	0	
2006-Mar-01	19:30	275	6.5	10.65	7.1	7.1	0	0	
2006-Mar-01	19:31	275	6.6	11.40	10.4	10.4	0	0	
2006-Mar-01	19:31	233	6.7	12.18	13.7	13.7	0	0	
2006-Mar-01	19:32	233	6.7	12.52	17.0	17.0	0	0	
2006-Mar-01	19:32	201	6.6	12.47	20.4	20.4	0	0	
2006-Mar-01	19:33	183	6.6	12.59	23.7	23.7	0	0	
2006-Mar-01	19:33	192	6.7	12.54	27.0	27.0	0	0	
2006-Mar-01	19:34	188	6.7	12.52	30.4	30.4	0	0	
2006-Mar-01	19:34	183	6.7	12.47	33.8	33.8	0	0	
2006-Mar-01	19:35	183	6.7	12.29	37.1	37.1	0	0	
2006-Mar-01	19:35	179	6.8	12.24	40.5	40.5	0	0	
2006-Mar-01	19:36	188	6.8	12.30	43.9	43.9	0	0	
2006-Mar-01	19:36	188	6.7	12.31	47.3	47.3	0	0	
2006-Mar-01	19:37	192	6.8	12.36	50.7	50.7	0	0	
2006-Mar-01	19:37	188	6.9	12.25	54.1	54.1	0	0	
2006-Mar-01	19:38	201	7.2	12.50	57.6	57.6	0	0	
2006-Mar-01	19:38	201	6.9	12.94	61.0	61.0	0	0	
2006-Mar-01	19:39								Reset Total, Vol = 63.09 bbl
2006-Mar-01	19:39	229	6.9	13.58	63.1	63.1	0	0	
2006-Mar-01	19:39								Start Mixing Tail Slurry
2006-Mar-01	19:39	229	6.9	13.60	0.1	0.1	0	0	
2006-Mar-01	19:39	256	6.8	13.85	1.4	1.4	0	0	
2006-Mar-01	19:39	252	6.4	14.12	4.7	4.7	0	0	
2006-Mar-01	19:40	261	6.5	14.12	7.9	7.9	0	0	
2006-Mar-01	19:40	266	6.5	14.04	11.1	11.1	0	0	
2006-Mar-01	19:41	252	6.5	13.84	14.3	14.3	0	0	
2006-Mar-01	19:41	243	6.6	13.66	17.6	17.6	0	0	
2006-Mar-01	19:42	243	6.6	13.68	20.9	20.9	0	0	
2006-Mar-01	19:42	238	6.6	13.71	24.1	24.1	0	0	
2006-Mar-01	19:43	261	6.6	14.07	27.4	27.4	0	0	
2006-Mar-01	19:43	275	6.4	14.14	30.7	30.7	0	0	
2006-Mar-01	19:44	270	6.6	14.01	33.9	33.9	0	0	
2006-Mar-01	19:44	243	6.6	13.55	37.2	37.2	0	0	
2006-Mar-01	19:45	266	6.6	13.88	40.5	40.5	0	0	
2006-Mar-01	19:45	261	6.6	13.95	43.8	43.8	0	0	
2006-Mar-01	19:46	256	6.6	13.87	47.1	47.1	0	0	
2006-Mar-01	19:46	256	6.6	13.76	50.4	50.4	0	0	
2006-Mar-01	19:47	252	6.6	13.90	53.7	53.7	0	0	
2006-Mar-01	19:47	128	4.7	13.78	56.8	56.8	0	0	
2006-Mar-01	19:48	160	4.6	14.29	59.1	59.1	0	0	
2006-Mar-01	19:48	119	4.1	14.27	61.4	61.4	0	0	
2006-Mar-01	19:49								End Mixing Tail Slurry
2006-Mar-01	19:49								Reset Total, Vol = 62.34 bbl

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Well		Field			Service Date		Customer		Job Number
GARDEN CITY #M-3		PANOMA					OXY USA, INC.		2205550341
Date	Time	Treating Pressure	Flow Rate	Density	CMT STG VOL	CMT VOL	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	bbbl	bbbl	0	0	
2006-Mar-01	19:49	-9	1.0	14.25	62.3	62.3	0	0	
2006-Mar-01	19:49	-9	0.1	14.25	0.0	0.0	0	0	
2006-Mar-01	19:49								Start Displacement
2006-Mar-01	19:49	-9	0.0	14.26	0.0	0.0	0	0	
2006-Mar-01	19:49	-9	0.0	12.27	0.0	0.0	0	0	
2006-Mar-01	19:50	-9	0.0	10.97	0.0	0.0	0	0	
2006-Mar-01	19:50	0	0.0	10.63	0.0	0.0	0	0	
2006-Mar-01	19:51	270	5.9	9.26	0.0	0.0	0	0	
2006-Mar-01	19:51	275	6.1	9.25	0.0	0.0	0	0	
2006-Mar-01	19:52	243	6.2	8.39	0.0	0.0	0	0	
2006-Mar-01	19:52	233	6.2	8.39	0.0	0.0	0	0	
2006-Mar-01	19:53	-5	0.0	8.39	0.0	0.0	0	0	
2006-Mar-01	19:53	-5	0.0	8.38	0.0	0.0	0	0	
2006-Mar-01	19:54	64	5.0	8.37	1.3	1.3	0	0	
2006-Mar-01	19:54	69	5.9	8.37	4.0	4.0	0	0	
2006-Mar-01	19:55	64	6.0	8.36	7.0	7.0	0	0	
2006-Mar-01	19:55	64	5.7	8.36	9.9	9.9	0	0	
2006-Mar-01	19:56	64	5.7	8.36	12.7	12.7	0	0	
2006-Mar-01	19:56	133	5.5	8.36	15.5	15.5	0	0	
2006-Mar-01	19:57	201	5.5	8.36	18.3	18.3	0	0	
2006-Mar-01	19:57	270	5.5	8.36	21.0	21.0	0	0	
2006-Mar-01	19:58	320	5.5	8.36	23.8	23.8	0	0	
2006-Mar-01	19:58	375	5.4	8.36	26.5	26.5	0	0	
2006-Mar-01	19:59	439	5.5	8.36	29.2	29.2	0	0	
2006-Mar-01	19:59	499	5.5	8.36	32.0	32.0	0	0	
2006-Mar-01	20:00	572	5.5	8.36	34.7	34.7	0	0	
2006-Mar-01	20:00	636	5.5	8.36	37.5	37.5	0	0	
2006-Mar-01	20:01	677	5.6	8.36	40.2	40.2	0	0	
2006-Mar-01	20:01	636	2.6	8.36	42.4	42.4	0	0	
2006-Mar-01	20:02	618	2.6	8.36	43.7	43.7	0	0	
2006-Mar-01	20:02	655	2.6	8.36	45.0	45.0	0	0	
2006-Mar-01	20:03	673	2.6	8.36	46.3	46.3	0	0	
2006-Mar-01	20:03	723	2.6	8.36	47.5	47.5	0	0	
2006-Mar-01	20:04	1089	2.6	8.36	48.8	48.8	0	0	
2006-Mar-01	20:04	1392	0.0	8.36	49.0	49.0	0	0	
2006-Mar-01	20:05	41	0.0	8.36	49.0	49.0	0	0	
2006-Mar-01	20:05	-9	0.0	8.36	49.0	49.0	0	0	
2006-Mar-01	20:06	-5	0.0	8.36	49.0	49.0	0	0	
2006-Mar-01	20:06	46	1.3	8.36	49.1	49.1	0	0	
2006-Mar-01	20:07	73	3.3	8.36	49.6	49.6	0	0	
2006-Mar-01	20:07								Reset Total, Vol = 48.88 bbl
2006-Mar-01	20:07								End Displacement
2006-Mar-01	20:07	73	3.3	8.36	49.6	49.6	0	0	
2006-Mar-01	20:07								End Job
2006-Mar-01	20:07	69	3.3	8.36	49.7	49.7	0	0	

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Well		Field			Service Date		Customer		Job Number	
GARDEN CITY #M-3		PANOMA					OXY USA, INC.		2205550341	
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, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
					126	21	5			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume			Density		
800		300	1500		bbl			8.34 lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input type="checkbox"/> Cement Circulated to Surface?		Volume bbl			
%	128 bbl		48.5 bbl	60 °F	<input type="checkbox"/> Washed Thru Perfs		To ft			
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> CirculationLost		<input checked="" type="checkbox"/> Job Completed		
Fillpot, Greg			Garcia, Frank							

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Client: Oxy
 Well Name: Garden City
 Well Number: M-3
 Legal Location: Sec35-T23S-R34S
 County: Finney
 State: Kansas

Job Number: 2205550341
 Job Type: LS
 Hole Size: 7 7/8
 Casing Size: 4 1/2
 Total Depth: 3141
 DV Tool @

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Fluid Systems

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

Wash:	20 bbl	CW 100			
weight:	8.35 lb/gal	volumes:	112 cuft	slurry:	20 bbls
yield:	cuft/sk	height:	493 feet	water:	20 bbls
mix req:	gal/sk				

Lead:	170 SKS	35:65 Poz:Class C + 6%D020+2%S001+0.5ppsD029			
weight:	12.2 lb/gal	volumes:	371 cuft	slurry:	66 bbls
yield:	2.18 cuft/sk	height:	1,627 feet	water:	50 bbls
mix req:	12.395 gal/sk			Thickening Time:	4 hr:min

Tail:	225 SKS	50/50 Poz:H+2%D20+3%M117+5ppsD42+5ppsD53+0.25%D112+0.25%D65+0.25%D46			
weight:	13.8 lb/gal	volumes:	349 cuft	slurry:	62 bbls
yield:	1.55 cuft/sk	height:	1,531 feet	water:	38 bbls
mix req:	7.1 gal/sk			Thickening Time:	hr:min

Displacement:	49.21 bbl	0 Fresh Water	density	8.33 lb/gal
Total:	49.21 bbl			

Casing Data

O.D.	4.500 inches	CSG vol:	0.0159 bbl/ft	Ann. vol:	0.0406 bbl/ft
I.D.	4.052 inches	OH vol:	0.0602 bbl/ft		4.3896 ft/cuft
Csg Wt:	Feet	volume		Shoe Joint Length	
0.016	10.5	3138.00	49.89 bbls.	Csg:	43.00 feet
0.039	23		0.00 bbls.	Shoe:	feet
0.039	23		0.00 bbls.	Collar:	feet

Volumes

Total Depth	3141 feet	3.00 Of Rat Hole		Open Hole	189.23 bbls.
Total Pipe	3138 feet	49.89 bbls.		Annulus	127.32 bbls.
Shoe Joint	43 feet	0.68 bbls.		Total Water	189 bbls needed
Float Collar@	3095 feet	49.21 bbls.			

Post Job Info

TOC LEAD	0 ft	Final Diff. Pressure	psi		
TOC TAIL	1,607 ft	Bump Top Plug to	psi @ approx.		hours
Excess	10 %	Circulated	bbls to Surface		

Casing Wt (Air)	32,949 lbs.	Casing Area ID	12.8953 sq in.
Hyd PSI(Annulus)	2,105 psi	Hyd PSI(Casing)	1,371 psi
Csg Cross Sect.	3.0091 sq in.	#VALUE!	1,371
Bouyancy	6,333 lbs.	Casing Lift Pressure	2,064 psi
Hook Load	26,616 lbs.	Differential Lift Pressure	733 psi

Pressure Test	1500 psi		Pressure Test	1500 psi	
Spacer	20 bbl	CW 100	Spacer	20 bbl	CW 100
Spacer	5 bbl	water		5 bbl	water
Lead	66 bbl @	12.2 lb/gal	Lead	66.0 bbl @	12.2 lb/gal
Tail	62.1 bbl @	13.8 lb/gal	Tail	62.1 bbl @	13.8 lb/gal
Stop			Stop		
Drop Plug			Drop Plug		
Displace	49 bbl		Displace	49.211 bbl	