

CONFIDENTIAL

CONFIDENTIAL

ORIGINAL

cc - Jim H.

Form ACO-1

September 1999

Form Must Be Typed

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

8/26/09

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Duke
Operator Contact Person: Jarod Powell
Phone: (620) 629-4200
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: N/A
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: _____

API No. 15 - 067-21654-0000
County: Grant
NW - NW - NW - NW Sec 22 Twp. 28S S. R. 36W
210 feet from S (circle one) Line of Section
150 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: RADEMACHER ATU "A" Well #: 5
Field Name: Hugoton-Panoma
Producing Formation: Chase/Council Grove
Elevation: Ground: 3077.46 Kelly Bushing: 3088.5
Total Depth: 3109 Plug Back Total Depth: 3055
Amount of Surface Pipe Set and Cemented at 701 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 441111 101308
(Data must be collected from the Reserve Pit)
Chloride content 12,000 mg/l ppm Fluid volume 1000 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.: _____

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. _____
05/28/2008 05/29/2008 08/08/2008
Spud Date or Date Reached TD Completion Date or Recompletion Date

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: Jarod Powell
Title: Capital Assets Date 08/26/2008
Subscribed and sworn to before me this 26 day of Aug
20 08
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
RECEIVED
KANSAS CORPORATION COMMISSION
AUG 27 2008

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

CONSERVATION DIVISION
WICHITA, KS

Side Two

Operator Name: OXY USA Inc. Lease Name: Rademacher ATU "A" Well #: 5

Sec. 22 Twp. 28 S. R. 36W East West County: Grant

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Array Compensated Resistivity CBL Spectral Density Dual Spaced Neutron	<table style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Hollenberg</td> <td>2477</td> <td>611</td> </tr> <tr> <td>Chase Group</td> <td>2506</td> <td>583</td> </tr> <tr> <td>Herrington</td> <td>2506</td> <td>583</td> </tr> <tr> <td>Krider</td> <td>2528</td> <td>560</td> </tr> <tr> <td>Odell</td> <td>2549</td> <td>539</td> </tr> <tr> <td>Winfield</td> <td>2574</td> <td>515</td> </tr> <tr> <td>Gage</td> <td>2593</td> <td>495</td> </tr> </table> <p style="text-align: right;">(See Side 3)</p>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Hollenberg	2477	611	Chase Group	2506	583	Herrington	2506	583	Krider	2528	560	Odell	2549	539	Winfield	2574	515	Gage	2593	495
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																										
Name	Top	Datum																										
Hollenberg	2477	611																										
Chase Group	2506	583																										
Herrington	2506	583																										
Krider	2528	560																										
Odell	2549	539																										
Winfield	2574	515																										
Gage	2593	495																										

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							
Surface	12 1/4	8 5/8	24	702	C	390	A Serv Lite+ additives
					C	200	Premium Common + additives
Production	7 7/8	4 1/2	11.6	3109	C	200	A Serv Lite + additives
					C	295	Premium + 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	2512-2518 & 2538-2544	Acid: 26 bbls 15% FE	
3	2629-2635	Frac: 2610 bbls 75Q X-Link Gel w/ 75% N2 foam;	
2	2583-2589, 2646-2652, 2685-2691	220,318# 16/30 Sand	
4	2748-2754, 2781-2786, 2795-2800	Acid: 25 bbls 15% HCL & 25 bbls KCl	
4	2830-2836, 2872-2875, 2894-2903		

TUBING RECORD	Size 2 3/8	Set At 2963	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	---------------	----------------	-----------	--

Date of First, Resumed Production, SWD or Enhr. 07/10/2008	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 0	Gas Mcf 173	Water Bbls 1	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) _____

CONFIDENTIAL

Side Three

Operator Name: OXY USA Inc. Lease Name: Rademacher ATU "A" Well #: 5

Sec. 22 Twp. 28 S. R. 36W East West County: Grant

Name	Top	Datum
Towanda	2626	463
Fort Riley	2683	405
Matfield	2756	333
Wreford	2779	310
Council Grove Group	2800	289
A1 LM	2819	269
B1 SH	2883	236
B1 LM	2870	219
B2 SH	2881	207
B2 LM	2892	196
B3 SH	2903	185
B3 LM	2916	172
B4 SH	2921	167
B4 LM	2933	155
B5 SH	2938	150
B5 LM	2944	145

2008 08 27
10:28 AM
11090

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 27 2008

CONSERVATION DIVISION
WICHITA, KS

Customer <i>Oxy</i>	Lease No.	Date <i>5-31-8</i>	
Lease? <i>Underminches 17U</i>	Well # <i>A-5</i>		
Field Order # <i>70253</i>	Station <i>Liberal</i>	Casing <i>1 1/2</i>	Depth <i>3110</i>
Type Job <i>Long string</i>	Formation	County <i>Chaut</i>	State <i>KS</i>
		Legal Description <i>28-36</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>1 1/2</i>	Tubing Size	Shots/Ft		Acid <i>2055x A</i>	RATE <i>5000</i>	PRESS <i>100</i>	ISIP <i>2130</i>	<i>13.54</i>
Depth <i>3110</i>	Depth	From	To	Pre-Pad <i>2955x</i>	Max		5 Min.	<i>115</i>
Volume <i>117</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>Paul Walker</i>	Station Manager <i>Jerry Bennett</i>	Treater <i>Frank C. Moore</i>
--	--------------------------------------	-------------------------------

Service Units	<i>19891</i>	<i>10875</i>	<i>10910</i>	<i>10874</i>	<i>10809</i>	<i>17709</i>	<i>10805</i>				
Driver Names	<i>E. C. Hill</i>	<i>CONFIDENTIAL</i>		<i>James A</i>	<i>Alan</i>	<i>Tom</i>					

Time	Casing Pressure	Tubing Pressure	UGB's Pumped	Rate	Service Log
<i>2130</i>					<i>Arrive on location</i>
<i>2145</i>			<i>KCC</i>		<i>Setup, making rig up</i>
<i>2200</i>					<i>Plug and Annulus Test</i>
<i>2205</i>	<i>7200</i>				<i>Pressure Test</i>
<i>2210</i>	<i>550</i>		<i>22</i>	<i>5.0</i>	<i>Pump 5000 @ 1120. Mod flush H₂O</i>
<i>2220</i>	<i>500</i>		<i>76</i>	<i>5.0</i>	<i>Pump 1000 @ 17.2 H₂O</i>
<i>2245</i>	<i>400</i>		<i>56</i>	<i>4.5</i>	<i>Pump 500 @ 16.1 H₂O</i>
<i>2310</i>					<i>Stop pump, wash up</i>
<i>2315</i>	<i>900</i>			<i>5.5</i>	<i>Displace</i>
<i>2330</i>	<i>1400</i>			<i>.5</i>	<i>Low flow float hold</i>
<i>0030</i>					<i>Job Complete</i>

RECEIVED
 KANSAS CORPORATION COMMISSION
 AUG 27 2008
 CONSERVATION DIVISION
 WICHITA, KS

14000