

**CONFIDENTIAL**

**ORIGINAL**

2/28/10

**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: Duke  
Operator Contact Person: Jarod Powell  
Phone: (620) 629-4200  
Contractor: Name: Murfin Drilling Company, 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. \_\_\_\_\_  
11/06/2007 11/16/2007 12/17/2007  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 189-22613-0000  
County: Stevens  
     - NW - NE - NW Sec 28 Twp. 34 S. R. 35W  
     330 feet from S  (circle one) Line of Section  
     1968 feet from E  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
     (circle one) NE SE  NW SW  
Lease Name: Wonder C Well #: 7  
Field Name: Ski  
Producing Formation: Chester  
Elevation: Ground: 2991.6 Kelly Bushing: 3003  
Total Depth: 6500 Plug Back Total Depth: 6449  
Amount of Surface Pipe Set and Cemented at 1747 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 AK INTS 19-09  
(Data must be collected from the Reserve Pit)  
Chloride content 1300 mg/l ppm Fluid volume 1600 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.: \_\_\_\_\_

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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: Jarod Powell  
Title: Capital Assets A.A. Date February 28, 2008  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_  
20\_\_\_\_\_  
Notary Public: \_\_\_\_\_  
Date Commission Expires: \_\_\_\_\_

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

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Side Two

Operator Name: OXY USA Inc. Lease Name: WONDER C Well #: 7

Sec. 28 Twp. 34 S. R. 35W  East  West County: Stevens

**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 type="checkbox"/> Yes <input checked="" 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:      Gamma Ray      Cement Bond Microlog      Long Spaced Sonic High Resolution Induction Spectral Density Dual Spaced Neutron Microlog	<table border="1" 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>Wellington Salt</td> <td>2258</td> <td>745</td> </tr> <tr> <td>Chase</td> <td>2707</td> <td>296</td> </tr> <tr> <td>Council Grove</td> <td>2979</td> <td>24</td> </tr> <tr> <td>Wabaunsee</td> <td>3436</td> <td>-433</td> </tr> <tr> <td>Heebner</td> <td>4284</td> <td>-1282</td> </tr> <tr> <td>Toronto</td> <td>4305</td> <td>-1303</td> </tr> <tr> <td>Lansing</td> <td>4430</td> <td>-1428</td> </tr> </table> <p>(See Side Three)</p>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Wellington Salt	2258	745	Chase	2707	296	Council Grove	2979	24	Wabaunsee	3436	-433	Heebner	4284	-1282	Toronto	4305	-1303	Lansing	4430	-1428
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**CASING RECORD**     New     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	1747	C	250	A-Con + additives
					C	300	A-Con + additives
Production	7 7/8	5 1/2	17	6494	H	150	POZ Premium 50/50

**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	6162-65, 6170-73, 6184-88, 6194-98, 6205-15	Acid: 5200 gals 17% FE Acid	
8	6224-28	Frac: 32,180 gals 75% 15# X-Linked gel; 210,000# 20/40 sd	

<b>TUBING RECORD</b>	Size 2-3/8	Set At 6139	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. 01/15/2008	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil BBLs 0	Gas Mcf 507	Water Bbls 1	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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Side Three

Operator Name: OXY USA Inc. Lease Name: Wonder C Well #: 7

Sec. 28 Twp. 34 S. R. 35W  East  West County: Stevens

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Kansas City	4577	-1575
Marmaton	4837	-1835
Cherokee	5314	-2311
Atoka	5584	-2582
Morrow	5852	-2850
Chester	6234	-3232
<b>TD:</b>	<b>6500</b>	

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**TREATMENT REPORT**

Customer Okl USA	Lease No. KCC	Date 11/7/07
Lease Workei	Well # C-17	
Field Order # 20016	Station Liberal	Casing 5 7/8
Type Job 5 7/8" Surface CNW	Formation	Depth 1749
		County Stevens
		State KS
		Legal Description 28-34-35

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 7/8"	Tubing Size	Shots/Ft		Acid 500 sks A-Con @ 12.2 #	RATE / PRESS 2.43 cuft/sk 14.5 gal/sk	ISIP	
Depth 1749	Depth	From	To	Pre Pad 200 sks "A" @ 14.8	Max 1.37 cuft/sk 2.8 gal/sk	5 Min	
Volume 10.2 cu	Volume	From	To	Pad	Min	10 Min	
Max Press	Max Press	From	To	Frac	Avg	15 Min	
Well Connection T.C.	Annulus Vol.	From	To		HHP Used	Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 7 Frack	Gas Volume	Total Load	

Customer Representative Cal White	Station Manager Sally Bennett	Treater Chad Huff
Service Units 19568 19825 19919 19904 19583 19505 19518		
Driver Names C. Hinz C. Caro S. Clark N. Berens		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
19:00					onloc, spot trucks, safety vlog
20:00					Break Circ.
20:30	0-700-0				Psi Test
20:35	100		0	5	start mix A-Con @ 12.2 #
21:45	0		239	4.4	switch to tail @ 14.8 #
22:00	0		49	0	shut down, drop plug
22:05	0		0	3.5	start disp, w/step up on plug
22:10	0		5	5	increase Rate
22:25	500		98	3	slow Rate
22:29	500-1100-		106	0	Plug down
22:30	1100-0			0	Release press, shut well
					Job Complete
					Thank You
					Chad & Crew

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Sold To #: 348005	Ship To #: 2609945	Quote #:	Sales Order #: 5501800
Customer: OXY HUGOTON EBUSINESS		Customer Rep: Wiley, Cal	
Well Name: Wonder	Well #: C7	API/UWI #:	
Field:	City (SAP): UNKNOWN	County/Parish: Stevens	State: Kansas
Contractor: Murfin Drilling Co.		Rig/Platform Name/Num: 20	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: MCINTYRE, BRIAN	MBU ID Emp #: 106009

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HANEWALD, JOHN Jay	7.0	412340	LOPEZ, CARLOS	7.0	321975	MCINTYRE, BRIAN C	7.0	106009

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10219241	20 mile	10415642	20 mile	54219	20 mile	75819	20 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone	
				Called Out	18 - Nov - 2007	03:30	CST
				On Location	18 - Nov - 2007	06:00	CST
	6498. ft		6498. ft	Job Started	18 - Nov - 2007	10:25	CST
			5. ft	Job Completed	18 - Nov - 2007	11:38	CST
				Departed Loc	18 - Nov - 2007	13:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Casing	Used		8.625	8.097	24.		J-55		1650.		
Production Hole				7.875				1650.	6500.		
Production Casing	New		5.5	4.892	17.	8 RD (LT&C)	J-55		6498.		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,BOT,5 1/2,HWE,4.38 MIN/5.09 MA	1	EA		
PLUG,CMTG,TOP,5 1/2,HWE,4.38 MIN/5.09 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	SuperFlush		10.00	bbl	.	.0	.0	.0	
	68 lbm/bbl	HALLIBURTON SUPER FLUSH (100003639)							
2	Water Spacer		10.00	bbl	8.33	.0	.0	7.0	
3	Primary Slurry	POZ PREMIUM 50/50 - SBM (12302)	150.0	sacks	13.8	1.52	6.61	7.0	6.61
	10 %	SALT, BULK (100003695)							
	5 %	CAL-SEAL 60, BULK (100064022)							
	5 lbm	GILSONITE, BULK (100003700)							
	0.5 %	D-AIR 3000 (101007446)							
	0.6 %	HALAD(R)-322, 50 LB (100003646)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.606 Gal	FRESH WATER							
4	Water Displacement		147.74	bbl	8.33	.0	.0	7.0	
5	RAT HOLE	POZ PREMIUM 50/50 - SBM (12302)	15.0	sacks	13.8	1.52	6.61		6.61
	10 %	SALT, BULK (100003695)							
	5 %	CAL-SEAL 60, BULK (100064022)							
	5 lbm	GILSONITE, BULK (100003700)							
	0.5 %	D-AIR 3000 (101007446)							
	0.6 %	HALAD(R)-322, 50 LB (100003646)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.606 Gal	FRESH WATER							
6	MOUSE HOLE	POZ PREMIUM 50/50 - SBM (12302)	10.0	sacks	13.8	1.52	6.61		6.61
	10 %	SALT, BULK (100003695)							
	5 %	CAL-SEAL 60, BULK (100064022)							
	5 lbm	GILSONITE, BULK (100003700)							
	0.5 %	D-AIR 3000 (101007446)							
	0.6 %	HALAD(R)-322, 50 LB (100003646)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.606 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	38.56 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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