CONFIDENTIAL CONFIDENTIAL ORIGINAL 2/09/10

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY – DESCRIPTION OF WELL & LEASE

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Unknown
Operator Contact Person: Jarod Powell
Phone: (620) 629-4200
Contractor: Name: Trinidad Drilling Limited Partnership
License: 33784
Wellsite Geologist: N/A
Designate Type of Completion:
X New Well ____ Re-Entry ____ Workover
X 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. ____

10/24/2008	11/04/2008	11/26/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 175-22153-0000
County: Haskell
- SE - SE - NE Sec 7 Twp. 34S S. R 33W
2310 feet from S / N *(circle one)* Line of Section
330 feet from E / W *(circle one)* Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: METCALF Well #: 5-7
Field Name: Salley
Producing Formation: Chester
Elevation: Ground: 2878 Kelly Bushing: 2890
Total Depth: 6700 Plug Back Total Depth: 6668
Amount of Surface Pipe Set and Cemented at 1507 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.
ALT I - Dig - 4/13/09

Drilling Fluid Management Plan
(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: Nichols Fluid Service, Inc.
Lease Name: Johnson #3 License No.: 31983
Quarter ____ Sec. 16 Twp. 34 S. R. 32 ☐ East ☒ West
County: Seward Docket No.: D-27805

INSTRUCTIONS: An original an 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 CEMENTINGTICKETS 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 February 9, 2009
Subscribed and sworn to before me this 9th day of Feb.
20 09
Notary Public: Anita Peterson
Date Commission Expires: Oct 1, 2009

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

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

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ORIGINAL

Side Two

Operator Name: OXY USA Inc. Lease Name: Metcalf Well #: 5-7

Sec. 7 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 (Attach Additional Sheets) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy) ☒ Yes ☐ No

List All E. Logs Run:

CBL

High Definition Induction/Gamma Ray

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Chase	2700	190
Council Grove	3023	-133
Wabaunsee	3470	-580
Heebner	4307	-1417
Toronto	4350	-1460
Lansing	4552	-1662
Kansas City	4872	-1982
Marmaton	5191	-2301

(See Side 3)

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							
Surface	12 1/4	8 5/8	24	1507	C C	670 150	ExtendaCem + additives HalCem + additives
Production	7 7/8	4 1/2	11.6	6710	C	185	HalCem + additives

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	6380-6391, 6393-6403, 6412-6418	Acid: 2000 gals 15% HCl	
		Frac: 46,500 gals 15# X-Link w/70Q foam;	
		50,000# 12/20 Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	6438		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
01/02/2009	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil BBLS	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	11	0	46		

Disposition of Gas

☐ Vented ☐ Sold ☐ Used on Lease

(If vented, Submit ACO-18)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify)

Production Interval

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Side Three

Operator Name: OXY USA Inc. Lease Name: Metcalf Well #: 5-7

Sec. 7 Twp. 34 S. R. 33W ☐ East ☐ West County: Seward

Name	Top	Datum
Cherokee	5523	-2633
Atoka	5626	-2736
Morrow	5828	-2938
Lower Morrow	5970	-3080
Morrow S3a	6055	-3165
Morrow S3b	6077	-3187
Chester C3	6096	-3206
Chester C2	6113	-3223
Chester C1	6139	-3249
Chester BZN	6198	-3308
Chester AZN	6328	-3438
St Genevieve	6457	-3567
St Louis	6521	-3631

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HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 301145	**Ship To #:** 2690943	**Quote #:**	**Sales Order #:** 6267121
Customer: CABOT OIL & GAS PRODUCTION CORP		**Customer Rep:** Hurst, Robert	
Well Name: Metcalf	**Well #:** 5-7		**API/UWI #:**
Field:	**City (SAP):** LIBERAL	**County/Parish:** Seward	**State:** Kansas
Legal Description: Section 7 Township 34S Range 33W			
Contractor: TRINIDAD	**Rig/Platform Name/Num:** 202		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: CRAWFORD, ROBERT	**Srvc Supervisor:** WILTSHIRE, MERSHEK	**MBU ID Emp #:** 195811	

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LOPEZ, JUAN Rosales	9.5	198514	MATA, ADOLFO V	9.5	419999	MIGUEL, GREGORIO Pedro	9.5	442124
VASQUEZ-GIRON, VICTOR	9.5	404692	WILTSHIRE, MERSHEK T	9.5	195811			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

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

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1500. ft	**Job Depth TVD**	1500. ft		
Water Depth		**Wk Ht Above Floor**	5. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out			
On Location			
Job Started	26 - Oct - 2008	04:07	CST
Job Completed	26 - Oct - 2008	05:20	CST
Departed Loc			

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 Open Hole				12.25				40.	1500.		
Preset Conductor	Unknown		20.	19.124	94.			.	40.		
Surface Casing	Unknown		8.625	8.097	24.		J-55	.	1500.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 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	

Fluid Data

HALLIBURTON

Cementing Job Summary

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	ExtendaCem	EXTENDACEM (TM) SYSTEM (452981)	670.0	sacks	12.8	1.83	9.7		9.7
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	9.703 Gal	FRESH WATER							
2	HalCem	HALCEM (TM) SYSTEM (452986)	150.0	sacks	14.8	1.35	6.37		6.37
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	6.365 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	40 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

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 301145	**Ship To #:** 2690943	**Quote #:**	**Sales Order #:** 6291416
Customer: CABOT OIL & GAS PRODUCTION CORP		**Customer Rep:**	
Well Name: Metcalf	**Well #:** 5-7		**API/UWI #:**
Field:	**City (SAP):** LIBERAL	**County/Parish:** Seward	**State:** Kansas
Legal Description: Section 7 Township 34S Range 33W			
Contractor: TRINIDAD DRILLING	**Rig/Platform Name/Num:** 202		
Job Purpose: Cement Production Casing			
Well Type: Development Well	**Job Type:** Cement Production Casing		
Sales Person: CRAWFORD, ROBERT	**Srvc Supervisor:** WILTSHIRE, MERSHEK	**MBU ID Emp #:** 195811	

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LOPEZ, JUAN Rosales	4.5	198514	MATA, ADOLFO V	3.5	419999	WILTSHIRE, MERSHEK T	4.5	195811

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

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

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	6650. ft	**Job Depth TVD**			
Water Depth		**Wk Ht Above Floor**	5. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out			
On Location			
Job Started	03 - Nov - 2008	16:16	CST
Job Completed	03 - Nov - 2008	17:39	CST
Departed Loc			

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
Production Casing Open Hole				7.875				1500.	6650.		
Production Casing	New		4.5	4.	11.6		N-80	.	6650.		
Surface Casing	Unknown		8.625	8.097	24.		J-55	.	1500.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 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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HALLIBURTON

Cementing Job Summary

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	Fresh Water		05.0	bbl	8.33	.0	.0	.0	
2	Halliburton Sack Superflush		10.00	bbl	9.5	.0	.0	.0	
	68 lbm/bbl	HALLIBURTON SUPER FLUSH (100003639)							
3	Fresh Water		05.0	bbl	8.33	.0	.0	.0	
4	HalCem	HALCEM (TM) SYSTEM (452986)	185.0	sacks	14.8	1.57	6.83		6.83
	6.834 Gal	FRESH WATER							
	10 %	SALT 10% (100003652)							
	10 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	0.8 %	HALAD(R)-322, 50 LB (100003646)							
	6 lbm	KOL-SEAL, BULK (100064233)							
	0.4 %	HALAD(R)-344, 50 LB (100003670)							
	0.25 %	D-AIR 3000 (101007446)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
5	Displacement		102.738	bbl	8.43	.0	.0	.0	
	334 lbm/Mgal	POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)							
6	RAT & MOUSE	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	25.0	sacks	14.8	1.33	6.4		6.4
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	6.401 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	40 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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