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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

October 2008

Form must be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

OPERATOR: License # 33002

Name: Kerr-McGee Oil & Gas Onshore LP

Address 1: PO Box 1330

Address 2: \_\_\_\_\_

City Houston State TX Zip: 77251 + 1330

Contact Person: Diana Smart

Phone ( 832 ) 636-8380

CONTRACTOR: License # 30606

Name: Murfin Drilling Co Inc

Wellsite Geologist: \_\_\_\_\_

Purchaser: NCRA

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well-Info as follows: \_\_\_\_\_

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date \_\_\_\_\_ Original Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv.to Enhr  Conv.to SWD

Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Enhr?) \_\_\_\_\_ Docket No. \_\_\_\_\_

03/06/2010 03/15/2010 04/01/2010

Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API NO. 15- 187-21158-00-00

Spot Description: \_\_\_\_\_

NW - SW Sec. 21 Twp. 29 S. R. 41  East  West

1980 Feet from  North /  South Line of Section

660 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Stanton

Lease Name Pro Farms Well # 21-1

Field Name Arroyo

Producing Formation Morrow

Elevation: Ground 3408 Kelley Bushing \_\_\_\_\_

Total Depth 5935 Plug Back Total Depth \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1650 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

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 3250 ppm Fluid volume 0 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 67202, 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 on 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 \_\_\_\_\_

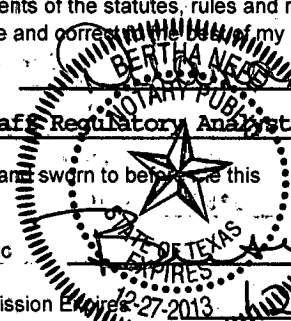
Title Staff Regulatory Analyst Date 7/8/10

Subscribed and sworn to before this \_\_\_\_\_ day of July

20 10

Notary Public \_\_\_\_\_

Date Commission Expires 12-27-2013



KCC Office Use ONLY

<input checked="" type="checkbox"/>	Letter of Confidentiality Attached	7/8/10 - TGN
<input checked="" type="checkbox"/>	If Denied, Yes	Date: 7/12/10 - TGN
<input type="checkbox"/>	Wireline Log Received	
<input type="checkbox"/>	Geologist Report Received	
<input type="checkbox"/>	UIC Distribution	

Operator Name Kerr-McGee Oil & Gas Onshore LP Lease Name Pro Farms Well # 21-1

Sec. 21 Twp. 29 S.R. 41  East  West

County Stanton

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during 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 Density/Neutron

MD Log

Borehole Profile

Array Induction

Name	Top	Datum
Morrow Group	4992	
Morrow F	5285	
Base Morrow F	5315	
Lower Morrow	5376	
St. Genevieve	5456	

**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
Surface	12.25	8 5/8	24	1650	Standard	775	3%, 2% CC
Production	7.875	5 1/2	14	5860	PozPr 50/50	350	5%, 5% CalSeal

**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	5386-5406, 5416-20, 5428-36	Frac W/2500 gls 7.5% FE/NE acid & 50,000 #s 16/30 sand	5386-5436
	TOC = 2419'		

**TUBING RECORD** Size 2 3/8 Set At 5471 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD, or Enhf. 04/08/2010 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	74	140	12	1891	41.5

DISPOSITION OF GAS:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	5386 - 5436



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KCC WICHITA

Kerr-McGee Oil & Gas Onshore LP  
AN ANADARKO COMPANY  
1201 LAKE ROBBINS DR  
THE WOODLANDS, TX 77380

July 8, 2010

Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 S. Market Room 2078  
Wichita, KS 67202-3802

RE: Pro Farms 21-1  
Section 31-29S-41W  
API 15-187-21158  
Stanton County, Kansas

Gentlemen:

Enclosed are the following forms and documents for the completion of the above referenced new well:

ACO-1 Well Completion form (original & 2 copies)  
Cementing Tickets  
Copies of all logs run

Confidentiality is requested for a period of one year.

Please call me at 832-636-8380 if there are any questions.

Sincerely,

A handwritten signature in black ink that reads 'Diana Smart'.

Diana Smart  
Staff Regulatory Analyst  
[Diana.Smart@anadarko.com](mailto:Diana.Smart@anadarko.com)

Enclosures

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HALLIBURTON

KCC WICHITA

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2772694	Quote #:	Sales Order #: 7238839
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Fluke, Gavin	
Well Name: Pro Farms	Well #: 21-#	API/UWI #:	
Field: ARROYO	City (SAP): JOHNSON	County/Parish: Stanton	State: Kansas
Contractor: Murfin Drilling		Rig/Platform Name/Num: 25	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: DEETZ, DONALD	MBU ID Emp #: 389855

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEETZ, DONALD E	2.5	389855	GREEN, SCOTT Anthony	8.0	301261	HAYES, CRAIG H	8.0	449385
PORTILLO, CESAR S	2.5	457847						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10714253C	85 mile	10994449	85 mile	11133699	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-15-10	2.5	2.5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	14 - Mar - 2010	17:00	CST
Form Type			BHST	On Location	15 - Mar - 2010	01:30	CST
Job depth MD	5937.6 ft		Job Depth TVD	5937.6 ft	Job Started	15 - Mar - 2010	02:43
Water Depth			Wk Ht Above Floor	3. ft	Job Completed	15 - Mar - 2010	03:45
Perforation Depth (MD)	From		To		Departed Loc	15 - Mar - 2010	05:00

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 Hole				7.875				1650.	5860.		
Production Casing	Unknown		5.5	5.012	14.		J-55		5860.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		1650.		

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

Description	Qty	Qty uom	Depth	Supplier
ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA		
PLUG,CMTG, TOP, 5 1/2, HWE, 4.38 MIN/5.09 MA	1	EA		
SHOE, GID, 5-1/2 8RD	1	EA		
PLUG ASSY, 3 WIPR LTH-DWN, 5 1/2 CSG	1	EA		
CENTRALIZER ASSY - TURBO - API -	18	EA		
KIT, HALL WELD-A	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe	5.5	1	h	5937	Packer					Top Plug	5.5	1	h
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float					Latch down	5.5	1	h	5893	Plug Container	5.5	1	h
Stage Tool										Centralizers	5.5	18	h

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HALLIBURTON

KCC WICHITA

*Cementing Job Summary*

Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	Scavenger Slurry	POZ PREMIUM 50/50 - SBM (12302)			25.0	sacks	10.5	4.27	26.58		26.58		
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)											
	5 %	POTASSIUM CHLORIDE 5% (100001585)											
	8 lbm	KOL-SEAL, BULK (100064233)											
	0.5 %	HALAD(R)-322, 50 LB (100003646)											
	26.581 Gal	FRESH WATER											
2	Tail Slurry	POZ PREMIUM 50/50 - SBM (12302)			325.0	sacks	13.8	1.57	6.72		6.72		
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)											
	5 %	POTASSIUM CHLORIDE 5% (100001585)											
	8 lbm	KOL-SEAL, BULK (100064233)											
	0.5 %	HALAD(R)-322, 50 LB (100003646)											
	6.724 Gal	FRESH WATER											
3	Displacement				140.00	bbl	8.33	.0	.0	.0			
	251 lbm/Mgal	POTASSIUM CHLORIDE 3% (100001585)											
Calculated Values			Pressures			Volumes							
Displacement	140	Shut In: Instant			Lost Returns	0	Cement Slurry	110	Pad				
Top Of Cement	2406	5 Min			Cement Returns	0	Actual Displacement	140	Treatment				
Frac Gradient		15 Min			Spacers	0	Load and Breakdown		Total Job	250			
Rates													
Circulating	6	Mixing		6	Displacement	6	Avg. Job		6				
Cement Left In Pipe	Amount	42 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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HALLIBURTON

Cementing Job Summary

KCC WICHITA

The Road to Excellence Starts with Safety

Sold-To #: 300466	Ship To #: 2772694	Quote #:	Sales Order #: 7226088
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Almanza, Abraham	
Well Name: Pro Farms	Well #: 21-4	API/UWI #:	
Field:	City (SAP): JOHNSON	County/Parish: Stanton	State: Kansas
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: BRINKMAN, BENNETT	MBU ID Emp #: 414024

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRINKMAN, BENNETT Wade	5.5	414024	LOPEZ, JUAN	6	136795	MATA, ADOLPH	6	2
PARUZINSKI, JOHN Harrison	5.5	441380	SLATER, JOE	6	1			

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
03-08-2010	6	3.5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	Job depth MD	1650. ft	Job Depth TVD	1650. ft	Job Started	08 - Mar - 2010	13:30
Water Depth	Wk Ht Above Floor	3. ft	Job Completed	08 - Mar - 2010	16:40	CST	
Perforation Depth (MD)	From	To	Departed Loc	08 - Mar - 2010	17:35	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 Hole				12.25					1650.		
Surface Casing	Unknown		8.625	8.097	24.				1650.		

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

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		
SHOE, GID, 8-5/8 8RD	1	EA		
VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	5	EA		
CLP, LIM, 8 5/8, FRICT, WTH DOGS	1	EA		
KIT, HALL WELD-A	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

KCC WFOH Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Pre-Flush		10.00	bbbl	8.33	.0	.0	.0	
2	Mid-Con 2 Standard	MIDCON-2 CEMENT STANDARD - SBM (15078)	525.0	sacks	11.4	2.95	18.09		18.09
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	18.09 Gal	FRESH WATER							
3	STANDARD	CMT - STANDARD CEMENT (100003684)	250.0	sacks	15.6	1.2	5.22		5.22
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	5.218 Gal	FRESH WATER							
4	Displacement		102.00	bbbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	102	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns	112	Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 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					