

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

6/10/11

Form ACO-1  
October 2008

Form must be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

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

**RECEIVED**

Name: Murfin Drilling Co Inc

**JUN 11 2010**

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

Purchaser: NCRA

**KCC WICHITA**

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW

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. \_\_\_\_\_

02/24/2010 03/05/2010 04/03/2010

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

API NO. 15- 187-21159-00-00

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

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

660 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 # 21-2

Field Name Arroyo

Producing Formation Morrow

Elevation: Ground 3394 Kelley Bushing \_\_\_\_\_

Total Depth 5860 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 AN INJ 6 TS TO  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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 Diana Smart

Title Staff Regulatory Analyst Date 6/10/10

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

Notary Public ANNA ELMORE  
NOTARY PUBLIC STATE OF TEXAS  
MY COMMISSION EXPIRES SEPT. 10 2011

Date Commission Expires \_\_\_\_\_

**KCC Office Use ONLY**

- Letter of Confidentiality Attached
- If Denied, Yes  Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

Operator Name Kerr-McGee Oil & Gas Onshore LP Lease Name Pro Farms Well # 21-2

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) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  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 (Submit Copy) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  List All E.Logs Run: CBL Density/Neutron MD Log Caliper Array Induction	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample  Name Top Datum  Morrow Group 4969 Morrow F 5273 Base Morrow F 5292 Lower Morrow 5356 St. Genevieve 5393
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CASING RECORD <input 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
Surface	12.25	8 5/8	24	1650	Standard	800	3%, 2% CC
Production	7.875	5 1/2	14	5860	PozPr 50/50	350	5%, 5% CalSeal
						TOC=3810'	

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	5376-5385	Frac w/500 gls 7.5% FE/NE acid & 30,000 #s 16/30 sand	5376-5385

<b>TUBING RECORD</b>		Size <u>2 3/8</u> Set At <u>5447</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>04/03/2010</u>		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. <u>102</u>	Gas Mcf <u>125</u>	Water Bbls. <u>5</u>	Gas-Oil Ratio <u>1225</u>
				Gravity <u>40.4</u>

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<b>METHOD OF COMPLETION</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	<b>Production Interval</b> <u>5376' - 5385'</u>
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# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2770633	Quote #:	Sales Order #: 7221272
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Fluke, Gavin	
Well Name: Pro Farms	Well #: 21-2	API/UWI #: 15-187-211589	
Field: ARROYO	City (SAP): JOHNSON	County/Parish: Stanton	State: Kansas
Legal Description: Section 21 Township 29S Range 41W			
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		Srv Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	11	371263	SLATER, JOE P	11	106095	SMITH, BOBBY Wayne	11	106036

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240239	85 mile	10744298C	85 mile	11133702	85 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	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	04 - Mar - 2010	23:00 CST
Form Type BHST	On Location	05 - Mar - 2010	02:00 CST
Job depth MD 5860. ft Job Depth TVD 5860.9 ft	Job Started	05 - Mar - 2010	10:49 CST
Water Depth Wk Ht Above Floor 2. ft	Job Completed	05 - Mar - 2010	11:44 CST
Perforation Depth (MD) From To	Departed Loc	05 - Mar - 2010	13:30 CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/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		RECEIVED
SHOE, GID, 5-1/2 8RD	1	EA		CONFIDENTIAL
PLUG ASSY, 3 WIPR LTH-DWN, 5 1/2 CSG	1	EA		JUN 11 2010
CENTRALIZER ASSY - TURBO - API -	20	EA		JUN 1 2010
COLLAR-STOP-5 1/2"-W/DOGS	1	EA		KCC WICHITA
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					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

# HALLIBURTON

# 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	Water Pre-Flush			bbl	8.33	.0	.0	.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)		bbl	8.4	.0	.0	.0	
3	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							
4	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							
5	Displacement		142.00	bbl	8.33	.0	.0	.0	
	251 lbm/Mgal	POTASSIUM CHLORIDE 3% (100001585)							

#### 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 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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JUN 10 2011

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JUN 11 2010

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KCC WICHITA

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2770633	Quote #:	Sales Order #: 7204893
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Fluke, Gavin	
Well Name: Pro Farms	Well #: 21-A	API/UWI #: 15-187-211589	
Field: ARROYO	City (SAP): JOHNSON	County/Parish: Stanton	State: Kansas
Legal Description: Section 21 Township 29S Range 41W			
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRITTAIN, LYLE Jay	16.5	460473	CARRILLO, EDUARDO Carrillo	16.5	371263	HAYES, CRAIG H	16.5	449385
LOPEZ, JUAN R	16.5	198514	SMITH, BOBBY Wayne	16.5	106036			

### 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

### Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	25 - Feb - 2010	19:30	CST
Job depth MD	1650. ft	Job Depth TVD	Job Started	26 - Feb - 2010	09:45	CST
Water Depth		Wk Ht Above Floor	Job Completed	26 - Feb - 2010	10:48	CST
Perforation Depth (MD) From		To	Departed Loc	26 - Feb - 2010	12:00	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 Hole				12.25					1650.		
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
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA	1	EA		<b>RECEIVED</b> <b>JUN 11 2010</b> <b>KCC WICHITA</b>
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	Conc	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	Water Pre-Flush			bbl	8.33	.0	.0	.0		
2	Mid-Con 2 Standard	MIDCON-2 CEMENT STANDARD - SBM (15078)	550.0	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			bbl	8.33	.0	.0	.0		
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>				
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		
<b>Rates</b>										
Circulating		Mixing		Displacement		Avg. Job				
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 <i>[Signature]</i>						

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