KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form must be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 4549
Name: ANADARKO PETROLEUM CORPORATION
Address 1: P.O. BOX 1330
Address 2:
City HOUSTON State TX Zip: 77251 + 1330
Contact Person: DIANA SMART
Phone (832) 636-8380

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WICHITA, KS

CONTRACTOR: License # 33784
Name: TRINIDAD
Wellsite Geologist:
Purchaser: Anadarko Energy Services Company

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW
X 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. ____
X Other (SWD or Enhr?) Docket No. 10-CONS-147-CIDW

02/25/2010 Spud Date or Recompletion Date
02/28/2010 Date Reached TD
03/19/2010 Completion Date or Recompletion Date

API NO. 15- 129-21890-00-00
Spot Description:
__ - __ - __ - SE Sec. 26 Twp. 34 S. R. 42 ☐ East ☒ West
1320 FSL Feet from ☐ North / ☒ South Line of Section
1320 FEL Feet from ☒ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County MORTON
Lease Name CHANDLEY A Well # 4
Field Name GREENWOOD
Producing Formation WABAUNSEE/SHAWNEE
Elevation: Ground 3499 Kelley Bushing ____
Total Depth 3435 Plug Back Total Depth ____
Amount of Surface Pipe Set and Cemented at 629 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 4600 ppm Fluid volume 120 bbls
Dewatering method used HAUL OFF
Location of fluid disposal if hauled offsite:
Operator Name ANADARKO PETROLEUM CORPORATION
Lease Name KEEFER A 1 License No. 4549
Quarter ____ Sec. 13 Twp. 32 S R. 38 ☐ East ☒ West
County STEVENS Docket No. D17157

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: 06/29/2010

Subscribed and sworn to before me this 29th day of June
20 10.
Notary Public Anna Elmore
Date Commission Expires 9/10/2011

ANNA M ELMORE
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
SEPT. 10, 2011

KCC Office Use ONLY
N Letter of Confidentiality Attached
✓ If Denied, Yes ☐ Date: ____
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I - Dlg - 7/1/10

Side Two

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BENNETT C Well # 1

Sec. 26 Twp. 34 S.R. 42 ☐ East ☒ West County MORTON

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:

NEUTRON
CBL

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

Name	Top	Datum
BASE CEDAR HILLS	1150	SHAWNEE - 2980
BASE STONE CORRAL	1413	
CHASE	2104	
COUNCIL GROVE	2395	
WABAUNSEE	2764	

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	629	STANDARD	440	2% 2% CC
PRODUCTION	7.875	5 1/2	15.5	3433	STANDARD	580	.5 HALAD

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 Sqeeze Record *(Amount and Kind of Material Used)*	Depth
4	3027-43 3054-63 3105-24	4500 GALS 15% FE HCL	3105-3124
4	2764-2856 2915-39 2983-94	6000 GALS 15% FE HCL	3027-3063
		25000# 16/30 SAND	2764-2984
	TOC= 160'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	3135		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Enhr. 03/24/2010

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	234	34		

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 2764-3124

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	**Ship To #:** 2770660	**Quote #:**	**Sales Order #:** 7204244
Customer: ANADARKO PETROLEUM CORP - EBUS		**Customer Rep:** Vigil, John	
Well Name: Chandley	**Well #:** A4		**API/UWI #:**
Field: GREENWOOD GAS AREA	**City (SAP):** ELKHART	**County/Parish:** Morton	**State:** Kansas
Contractor: TRINIDAD	**Rig/Platform Name/Num:** 208		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: HESTON, MYRON	**Srvc Supervisor:** UNDERWOOD, BILLY	**MBU ID Emp #:** 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MATA, ADOLFO V	7	419999	PORTILLO, CESAR	7	457847	SLATER, JOE P	7	106095
TIRRELL, MICHAEL Edward	6	429195	UNDERWOOD, BILLY Dale	6	159068			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240245	65 mile	10243558	65 mile	10286731	65 mile	10949719	65 mile
10951586	65 mile	10998524	65 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2-25-10	2	0	2-16-10	4	1			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	6295. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	25 - Feb - 2010	15:30	CST
On Location	25 - Feb - 2010	21:15	CST
Job Started	26 - Feb - 2010	03:00	CST
Job Completed	26 - Feb - 2010	03:55	CST
Departed Loc	26 - Feb - 2010	04:30	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					635.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		629		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
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	3	EA		
CLP,LIM,8 5/8,FRICT,WTH DOGS	1	EA		
BASKET-CMT-8-5/8 CSG-SLIP-ON-S	1	EA		
KIT,HALL WELD-A	1	EA		

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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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Pre-Flush		0.00	bbl	8.33	.0	.0	5.0	
2	Halliburton Light Standard	HALLIBURTON LIGHT STANDARD - SBM (12313)	220.0	sacks	12.4	2.07	11.35	5.0	11.35
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	11.35 Gal	FRESH WATER							
3	Standard Cement	CMT - STANDARD CEMENT (100003684)	220.0	sacks	15.6	1.2	5.24	5.0	5.24
	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)							
	5.238 Gal	FRESH WATER							
4	Displacement		37.00	bbl	8.33	.0	.0	5.0	

Calculated Values		Pressures		Volumes					
Displacement	37	Shut In: Instant		Lost Returns		Cement Slurry	128	Pad	
Top Of Cement		5 Min		Cement Returns	25	Actual Displacement	37	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	165

Rates							
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5

Cement Left In Pipe	Amount	42.88 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

The Road to Excellence Starts with Safety

Sold To #: 300466	**Ship To #:** 2770660	**Quote #:**	**Sales Order #:** 7211315
Customer: ANADARKO PETROLEUM CORP - EBUS		**Customer Rep:**	
Well Name: CHANDLEY	**Well #:** A-4		**API/UWI #:**
Field: GREENWOOD GAS AREA	**City (SAP):** ELKHART	**County/Parish:** Morton	**State:** Kansas
Contractor: TRINIDAD	**Rig/Platform Name/Num:** TRINIDAD #208		
Job Purpose: Cement Production Casing			
Well Type: Development Well	**Job Type:** Cement Production Casing		
Sales Person: HESTON, MYRON	**Srvc Supervisor:** WILTSHIRE, MERSHEK	**MBU ID Emp #:** 195811	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNETT, JAMES Ray	9.5	226567	HAYES, CRAIG H	9.5	449385	LOPEZ, JUAN R	9.5	198514
WILTSHIRE, MERSHEK Tonje	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	~~3433.~~ 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	28 - Feb - 2010	02:30	CST
Job Started	28 - Feb - 2010	09:13	CST
Job Completed	28 - Feb - 2010	10:45	CST
Departed Loc	28 - 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
Production Hole				7.875				635 ~~675.~~	3435		
Production Casing	Unknown		5.5	5.012	14.		J-55	.	3433		
Surface Casing	Unknown		8.625	8.097	24.		J-55	.	629		

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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	

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	Water Pre-Flush			bbl	8.33	.0	.0	6.0	
2	MID-CON 2 STANDARD	MIDCON-2 CEMENT STANDARD - SBM (15078)	250.0	sacks	11.4	2.89	17.84	6.0	17.84
	0.25 lbm	POLY-E-FLAKE (101216940)							
	17.838 Gal	FRESH WATER							
3	50/50 POZ STANDARD	POZ STANDARD 50/50 - SBM (12308)	330.0	sacks	13.3	1.62	7.18	6.0	7.18
	10 lbm	KOL-SEAL, BULK (100064233)							
	0.5 %	HALAD(R)-322, 50 LB (100003646)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	7.179 Gal	FRESH WATER							
4	2% Clay-Fix 3 Water w/ Biocide Displacement		83.00	bbl	8.33	.0	.0	6.0	
	0.105 gal/bbl	CLAYFIX II, HALTANK (100003729)							
	0.021 gal/bbl	BE-7, TOTE TANK (101649552)							
	42 gal/bbl	WATER - FRESH - GAL (24047)							

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	42.88 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