

WELL COMPLETION FORM

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4549Name: Anadarko Petroleum CorporationAddress 1: PO Box 1330

Address 2: _____

City Houston State TX Zip: 77251 + 1330Contact Person: Diana SmartPhone (832) 636-8380CONTRACTOR: License # 33784Name: Trinidad Drilling

Wellsite Geologist: _____

Purchaser: _____

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 (_____) _____ Docket No. 10-CONS-149-CTDW02/16/2010 02/19/2010 03/13/2010Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____API NO. 15- 129-21895-00-00

Spot Description: _____

S2 - N2 - S2 - NE Sec. 9 Twp. 34 S. R. 41 ☐ East ☒ West1720 FNL Feet from ☐ North / ☐ South Line of Section1320 FEL Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SWCounty MortonLease Name Krieger A Well # 2Field Name GreenwoodProducing Formation Topeka/WaubenseeElevation: Ground 3407 Kelley Bushing _____Total Depth 3750 Plug Back Total Depth 3691Amount of Surface Pipe Set and Cemented at _____ 675 FeetMultiple 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 _____ ppm Fluid volume 165 bblsDewatering method used Haul Off

Location of fluid disposal if hauled offsite: _____

Operator Name Anadarko Petroleum CorporationLease Name Keefer A 1 License No. 4549Quarter SW Sec. 13 Twp. 32 S. R. 38 ☐ East ☒ WestCounty 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 _____

Title Staff Regulatory Analyst Date 06/07/2010

Subscribed and sworn to before me this _____ day of _____

20 10 _____

Notary Public _____

Date Commission Expires _____

KCC Office Use ONLY

☒ Letter of Confidentiality AttachedIf Denied, Yes ☐ Date: _____☒ Wireline Log Received☐ Geologist Report Received☐ UIC Distribution

AP-1-DIG - 6/14/10

Operator Name Anadarko Petroleum CorporationLease Name Krieger AWell # 2Sec. 9 Twp. 34 S.R. 41 ☐ East ☒ WestCounty 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 ☐ Yes ☒ No
(Attach Additional Sheets)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E.Logs Run:

Neutron, CBL☒ Log

Formation (Top), Depth and Datums

☐ Sample

Name

Top

Datum

Base Cedar Hills

1210

Shawnee - 3113

Base Stone Corral

1476

Lansing - 3606

Chase

2167

Council Grove

2471

Wabaunsee

2886

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 1/4	8 5/8	24	675	Standard	505	2%, 2% CC
Production	7 7/8	5 1/2	14	3750	Midcon2, POZ	625	.5 Halad
							TOC=654'

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	3176-84, 3153-60, 3114-19, 3061-65	Acidized w/4000 Gals 15% FE HCL	3114-3184
4	3045-49, 2992-96, 2980-86, 2955-59	Acidized w/8800 Gals 15% FE HCL	2886-3065
4	2932-39, 2907-12, 2898-2903, 2886-93	Frac'd w/10,000# 16/30 sand	2886-2939

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	3197			
Date of First, Resumed Production, SWD or Enhr.	Producing Method				
Well currently shut-in	<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input 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) _____	2886' - 3184'

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2768783	Quote #:	Sales Order #: 7182316
Customer: ANADARKO PETROLEUM CORP - EBUS	Customer Rep: Vigil, John		
Well Name: Krieger	Well #: A #2	API/UWI #: 15-129-21895	
Field: GREENWOOD GAS AREA	City (SAP): ELKHART	County/Parish: Morton	State: Kansas

Legal Description: Section 9 Township 34S Range 41W

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 **Srv 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 #
LOPEZ, JUAN R	12	198514	MATA, ADOLFO V	12	419999	SLATER, JOE P	12	106095
WILTSHIRE, MERSHEK Tonje	12	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

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	16 - Feb - 2010	19:30	CST
Job depth MD	675. ft		Job Depth TVD	Job Started	16 - Feb - 2010	05:26	CST
Water Depth			Wk Ht Above Floor	Job Completed	16 - Feb - 2010	06:18	CST
Perforation Depth (MD)	From		To	Departed Loc	17 - Feb - 2010	07:30	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					675.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		675.		

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		

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			

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Pre-Flush					bbl	8.33	.0	.0	5.0	
2	Halliburton Light Standard	HALLIBURTON LIGHT STANDARD - SBM (12313)			265.0	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)			240.0	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				40.00	bbl	8.33	.0	.0	5.0	
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						

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 2768783		Quote #:		Sales Order #: 7191262	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Vigil, John			
Well Name: Krieger			Well #: A #2		API/UWI #: 15-129-21895		
Field: GREENWOOD GAS AREA		City (SAP): ELKHART		County/Parish: Morton		State: Kansas	
Legal Description: Section 9 Township 34S Range 41W							
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: 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
ARNETT, JAMES Ray	12.0	226567	DEETZ, DONALD E	12.0	389855	HAYES, CRAIG H	11.5
LOPEZ, JUAN R	11.5	198514					
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240236	50 mile	10240245	50 mile	10243558	50 mile	10714253C	50 mile
10924982	50 mile	10994449	50 mile	11133699	50 mile		
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
2-19-10	7	1	2-20-10	5	3		
TOTAL			<i>Total is the sum of each column separately</i>				
Job				Job Times			
Formation Name				Date			
Formation Depth (MD) Top				Time			
Bottom				Time Zone			
Form Type				Called Out			
Job depth MD				On Location			
Water Depth				Job Started			
Perforation Depth (MD) From				Job Completed			
To				Departed Loc			
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Production Hole				7.875			
Production Casing	Unknown		5.5	5.012	14.		J-55
Surface Casing	Unknown		8.625	8.097	24.		J-55
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe	5.5	1	h	3736	Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float	5.5	1	h	3690			
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
				Acid Type		Qty	
				Sand Type		Size	
						Conc	%
						Qty	


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Cementing Job Summary

Fluid Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Pre-Flush		0.00	bbl	8.33	.0	.0	6.0	
2	Mid-Con 2 Standard	MIDCON-2 CEMENT STANDARD - SBM (15078)	280.0	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)	345.0	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		90.00	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	90	Shut In: Instant		Lost Returns	20	Cement Slurry	239	Pad	
Top Of Cement	surface	5 Min		Cement Returns	55	Actual Displacement	90	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	329
Rates									
Circulating		Mixing	6	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	46 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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