



KANSAS CORPORATION COMMISSION 1066085
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34269
Name: Apache Corporation
Address 1: 2000 POST OAK BLVD, STE 100
Address 2: _____
City: HOUSTON State: TX Zip: 77056 + _____
Contact Person: Amanda Pickney
Phone: (918) 491-4852
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Karl Graham
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

03/27/2011	04/04/2011	05/08/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-119-21263-00-00
Spot Description: _____
_____ SW Sec. 12 Twp. 34 S. R. 28 East West
1320 Feet from North / South Line of Section
1320 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Meade
Lease Name: HAGER Well #: 1-12
Field Name: Unnamed
Producing Formation: Cherokee
Elevation: Ground: 2370 Kelly Bushing: 2371
Total Depth: 6260 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1631 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: 6900 ppm Fluid volume: 1500 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 10/26/2011
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gerriso Date: 10/31/2011



1066085

Operator Name: Apache Corporation Lease Name: HAGER Well #: 1-12
 Sec. 12 Twp. 34 S. R. 28 East West County: Meade

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Microresistivity Log Array Induction Shallow Focused Electric Log Compact Photo Density Compensated Neutron Microresistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Cherokee</td> <td>5662</td> <td>-3292</td> </tr> <tr> <td>Morrow</td> <td>5810</td> <td>-3440</td> </tr> <tr> <td>Chester</td> <td>5942</td> <td>-3572</td> </tr> </table>	Name	Top	Datum	Cherokee	5662	-3292	Morrow	5810	-3440	Chester	5942	-3572
Name	Top	Datum											
Cherokee	5662	-3292											
Morrow	5810	-3440											
Chester	5942	-3572											

CASING RECORD <input checked="" 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	6.625	32	1630	A	650	
Production	7.875	5.5	17	6264	Prem & Lite	240	

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	5843-5850	750 gal 5% Nefe Acid	5843
0	CIBP set	10' cement	5853
4	5670-5680	1000 gal 15% HCl w/inhibitor	5370

TUBING RECORD:		Size: <u>2.875</u>	Set At: <u>5831</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/08/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>SI</u>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	84	0	0

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5670-5680</u>
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HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2845475	Quote #:	Sales Order #: 8081353
Customer: APACHE CORP		Customer Rep: Stanley, Josh	
Well Name: Hager		Well #: 1-12	API/UWI #:
Field:	City (SAP): PLAINS	County/Parish: Meade	State: Kansas
Legal Description: Section 13 Township 34S Range 27W			
Contractor: Duke Drilling		Rig/Platform Name/Num: 6	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	13	442123	CARRILLO, EDUARDO Carrillo	13	371263	PORTILLO, CESAR	13	457847
SMITH, BOBBY Wayne	13	106036	TORRES, CLEMENTE	13	344233			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10244148	45 mile	10286731	45 mile	10714253C	45 mile	10744298C	45 mile
10825713	45 mile	10988832	45 mile	10994449	45 mile	11133699	45 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-3-2011	4	1.5	4-4-2011	2.5				

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone	
Formation Depth (MD)			On Location	03 - Apr - 2011	16:00	CST	
Form Type		BHST	142 degF	On Location	03 - Apr - 2011	18:30	CST
Job depth MD	6268. ft	Job Depth TVD	6266. ft	Job Started	04 - Apr - 2011	06:40	CST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	04 - Apr - 2011	08:00	CST
Perforation Depth (MD)	From	To	Departed Loc	04 - Apr - 2011	09:45	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
7-7/8" Production Open Hole				7.875				1600.	6260.		
5-1/2" 17 ppf Production Casing	New		5.5	4.892	17.	8 RD (LT&C)	J-55		6260.		
8-5/8" Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	J-55		1600.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG ASSY, 5 1/2 OMEGA/HWE, 4.38 MIN/5.09	1	EA		
SHOE, FLOAT, 5 1/2 8RD, 2 3/4 SUPER SEAL	2	EA		
CLR, FLT, 5-1/2 8RD, 14-23PPF, 2-3/4	2	EA		
CTRZR ASSY, 5 1/2 CSG X 7 7/8 HOLE, HINGED	12	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	2	EA		
KIT, HALL WELD-A	2	EA		

HALLIBURTON

Cementing Job Summary

Tools and Accessories														
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	
Guide Shoe	6268				Packer					Top Plug	5 1/2	H	1	
Float Shoe					Bridge Plug					Bottom Plug				
Float Collar					Retainer					SSR plug set				
Insert Float										Plug Container	5 1/2	H	1	
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														
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	Fresh Water				20.00	bbl	8.33	.0	.0	.0				
2	Superflush				20.00	bbl	9.5	.0	.0	.0				
		68 lbm/bbl HALLIBURTON SUPER FLUSH (100003639)												
3	Fresh Water				20.00	bbl	8.33	.0	.0	.0				
4	Lead Cement	MIDCON-2 CEMENT PREMIUM - SBM (15077)			90.0	sacks	11.4	2.89	17.85		17.85			
		0.1 % WG-17, 50 LB SK (100003623)												
		17.852 Gal FRESH WATER												
5	Tail Cement	HALLIBURTON LIGHT PREMIUM - SBM (12311)			150.0	sacks	12.7	1.94	9.3		9.3			
		10 lbm GILSONITE, BULK (100003700)												
		0.6 % HALAD(R)-322, 50 LB (100003646)												
		9.303 Gal FRESH WATER												
6	2% KCL Displacement				144.00	bbl	8.45	.0	.0	.0				
		167 lbm/Mgal POTASSIUM CHLORIDE - KCL, 50 LB BAG (100001585)												
		1 gal/Mgal CLAYFIX 3, 5 GAL PAIL (101810105)												
		1 gal/Mgal LOSURF-300M, 5 GAL PAIL (101439821)												
Calculated Values				Pressures				Volumes						
Displacement	144	Shut In: Instant		Lost Returns		0	Cement Slurry		98	Pad				
Top Of Cement	3142	5 Min		Cement Returns		0	Actual Displacement		144	Treatment				
Frac Gradient		15 Min		Spacers		60	Load and Breakdown			Total Job 302				
Rates														
Circulating	4	Mixing		6	Displacement		6	Avg. Job		6				
Cement Left in Pipe	Amount	45 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 Log

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2845475	Quote #:	Sales Order #: 8081353
Customer: APACHE CORP		Customer Rep: Stanley, Josh	
Well Name: Hager	Well #: 1-12	API/UWI #:	
Field:	City (SAP): PLAINS	County/Parish: Meade	State: Kansas
Legal Description: Section 13 Township 34S Range 27W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Duke Drilling	Rig/Platform Name/Num: 6		
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: MEREDITH, JERRY	Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/03/2011 16:00							Dispach Called Cement Crew Out For Apach CORP Job Hager 1-12 5 1/2 Production
Pre-Convoy Safety Meeting	04/03/2011 17:30							Discuss Route to take and Hazards on the road
Assessment Of Location Safety Meeting	04/03/2011 18:30							Rigg Triping Out Drill Pipe.
Pre-Rig Up Safety Meeting	04/03/2011 18:45							Discussed all Red Zones Proper Lifting To Have Spoters at all Times Where to Run Water and Iron Lines Went Over JSA.
Rig-Up Completed	04/03/2011 19:45							
Other	04/03/2011 19:50							Got Numbers From Customer RepJosh Stanley // TD=6260//TP=6266//SJ=45.73//Disp=144 BBL//CAP = 1.06 BBL IN SJ. Have Customer Rep Sing Work Order Contract.
Wait on Customer or Customer Sub-Contractor Equip	04/03/2011 20:00							Wait on Rig Crew To Finish Triping Pipe Out.
Other	04/03/2011 21:10							Casing Crew Rigging Up. To Pull Calers Out.
Other	04/03/2011 21:30							Bob and Fabian at Location With Stand By Truck.
Other	04/04/2011 00:00							Casing Going In Hole

Sold To #: 300496

Ship To #: 2845475

Quote #:

Sales Order #:

8081353

SUMMIT Version: 7.20.130

Monday, April 04, 2011 09:36:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	04/04/2011 05:30							Rigg Circulating Casing
Pre-Job Safety Meeting	04/04/2011 06:00							Went Over Job Steps With all Discussed Valumes and Pressuers and Rates On How Fast To Pump With Customer Rep Had All Sing Safety Sheet.
Start Job	04/04/2011 06:40							Ready for Halliburton
Test Lines	04/04/2011 06:41						4000.0	Tested @ 4000 PSI. Heald Good Released PSI On Truck.
Pump Spacer 1	04/04/2011 06:46		5	20	20		100.0	Pump 20 BBLS H2O Fresh Water
Pump Spacer 2	04/04/2011 06:49		6	20	40		680.0	Pumped 20 BBLS Super Flush
Pump Spacer 1	04/04/2011 06:53		6	20	60		650.0	Pumped 20 BBLS H2O Fresh Water
Pump Lead Cement	04/04/2011 06:57		6	46	106		675.0	Pumped 90 SKS @ 11.4 PPG // = 46 BBLS CMT // = 90 X 2.89 = 260 CU/FT
Pump Tail Cement	04/04/2011 07:04		6	52	158		350.0	Pumped 150 SKS @ 12.7 PPG// = 52 BBLS CMT // = 150 X 1.94 = 291 CU/FT
Shutdown	04/04/2011 07:12							
Drop Top Plug	04/04/2011 07:12							HWE
Pump Displacement	04/04/2011 07:20		6	144	302		200.0	Pumped 144 BBLS 2% KCL Water Disp
Displ Reached Cmnt	04/04/2011 07:37		6	100			305.0	Displasment Reach Cemt @ 100 bbls Diaplacment Pumped at 6 bpm
Slow Rate	04/04/2011 07:43		2	134	302		650.0	
Bump Plug	04/04/2011 07:49		2	144	302		780.0	Bumped Plug @ 780 PSI Took to 1300 PSI 144 bbls Disp
Check Floats	04/04/2011 07:55							Floats held 1bbl Back
End Job	04/04/2011 08:00							

Sold To # : 300496

Ship To # : 2845475

Quote # :

Sales Order # : 8081353

SUMMIT Version: 7.20.130

Monday, April 04, 2011 09:36:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Rig Down Safety Meeting	04/04/2011 08:05							Discuss Pinchpoint and Tripping Hazards
Rig-Down Completed	04/04/2011 09:10							
Other	04/04/2011 09:15							THANK YOU FOR CHOOSING HALLIBURTON
Crew Leave Location	04/04/2011 09:45							

Sold To #: 300496

Ship To #: 2845475

Quote #:

Sales Order #: 8081353

SUMMIT Version: 7.20.130

Monday, April 04, 2011 09:36:00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2845475	Quote #:	Sales Order #: 8064202
Customer: APACHE CORP	Customer Rep: Stanley, Josh		
Well Name: Hager	Well #: 1-12	API/UWI #:	
Field:	City (SAP): PLAINS	County/Parish: Meade	State: Kansas
Legal Description: Section 13 Township 34S Range 27W			
Contractor: Duke	Rig/Platform Name/Num: #8		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: MEREDITH, JERRY	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 #
AGUILERA, FABIAN	6	442123	GOMEZ, OSCAR	3	490448	LOPEZ, CARLOS	3	321975
MCJILTON, LONDON Kyle	6	489077	SMITH, BOBBY Wayne	6	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	28 - Mar - 2011	08:30	CST
Job depth MD	1630. ft	Job Depth TVD	Job Started	28 - Mar - 2011	11:30	CST
Water Depth		Wk Ht Above Floor	Job Completed	28 - Mar - 2011	14:24	CST
Perforation Depth (MD) From		To	Departed Loc	28 - Mar - 2011	15:42	CST
					17:30	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
12-1/4" Surface Open Hole				12.25				80.	1600.		
20" Pre-Set Conductor	New		20.	19.124	94.				80.		
8-5/8" Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	J-55		1600.		

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	5	EA		
HALLIBURTON WELD-A KIT	1	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	1	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	2	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		

NOTRUBILLAN

Cementing Job Summary

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	Treatment Flt	Conc	Conc	Surfactant	Inhibitor	Conc	Conc	Acid Type	Sand Type	Qty	Size	Conc	%
										Conc	Qty	%	

Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density	Yield	Mix	Rate	Total Mix				
					ibm/gal	ft ³ /sk	Fluid	bbl/min	Fluid				
							Gal/sk		Gal/sk				
1	Water Spacer		0	bbl	8.3	.0	.0	.0					
2	Lead Cement	MIDCON-2 CEMENT STANDARD - SBM (15078)	450	sacks	11.4	2.95	18.09		18.09				
	3 %	CALCIUM CHLORIDE - HI TEST PELLETT (100005053)											
	0.5 lbm	POLY-E-FLAKE (101216940)											
	0.01 %	WG-17, 50 LB SK (100003623)											
	18.09 Gal	FRESH WATER											
3	Tail Cement	CMT - STANDARD CEMENT (100003684)	205	sacks	15.8	1.2	5.18		5.18				
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)											
	2 %	CALCIUM CHLORIDE - HI TEST PELLETT (100005053)											
	0.5 lbm	POLY-E-FLAKE (101216940)											
	5.177 Gal	FRESH WATER											
4	Fresh Water Displacement		101.4	bbl	9.	.0	.0	.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	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 <i>Josh Shubly</i>
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HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 300498		Ship To #: 2845475		Quote #:		Sales Order #: 8064202	
Customer: APACHE CORP				Customer Rep: Stanley, Josh			
Well Name: Hager			Well #: 1-12		API/UWI #:		
Field:		City (SAP): PLAINS		County/Parish: Meade		State: Kansas	
Legal Description: Section 13 Township 34S Range 27W							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: Duke			Rig/Platform Name/Num: #6				
Job Purpose: Cement Surface Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MEREDITH, JERRY			Srvc Supervisor: SMITH, BOBBY			MBU ID Emp #: 106036	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/28/2011 08:30							
Depart Location Safety Meeting	03/28/2011 10:30							
Arrive At Loc	03/28/2011 11:30							
Assessment Of Location Safety Meeting	03/28/2011 11:30							casing on bottom rig is circulating. Waiting on the bulk trucks.
Pre-Rig Up Safety Meeting	03/28/2011 11:35							
Rig-Up Completed	03/28/2011 12:00							
Other	03/28/2011 13:50							Bulk trucks on location.
Other	03/28/2011 13:55							safety meeting with bulk trucks and rigged them up.
Safety Meeting - Pre Job	03/28/2011 14:15							
Start Job	03/28/2011 14:24							we used the water in the frac tank.
Test Lines	03/28/2011 14:24						3000.0	
Pump Lead Cement	03/28/2011 14:28		6	236.4			100.0	450 sx = 1327.5 ft3 = top of cement surface
Pump Tail Cement	03/28/2011 15:07		6	43.81			100.0	205 sx = 246 ft3. top of cement 1077.26 ft
Drop Top Plug	03/28/2011 15:15							
Pump Displacement	03/28/2011 15:17		6	0			100.0	water
Bump Plug	03/28/2011 15:40		2	101.3		500.0	2000.0	
Check Floats	03/28/2011 15:41							float held.

Sold To #: 300496

Ship To #: 2845475

Quote #:

Sales Order #:

8064202

SUMMIT Version: 7.20.130

Monday, March 28, 2011 04:19:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	03/28/2011 15:42							100 bbls of cement back to surface.
Safety Meeting - Pre Rig-Down	03/28/2011 15:45							
Rig-Down Completed	03/28/2011 17:00							
Safety Meeting - Departing Location	03/28/2011 17:15							
Depart Location for Service Center or Other Site	03/28/2011 17:30							Thank you for calling Halliburton. Bob and crew.

Sold To #: 300496

Ship To #: 2845475

Quote #:

Sales Order #: 8064202

SUMMIT Version: 7.20.130

Monday, March 28, 2011 04:19:00

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 26, 2011

Amanda Pickney
Apache Corporation
2000 POST OAK BLVD, STE 100
HOUSTON, TX 77056

Re: ACO1
API 15-119-21263-00-00
HAGER 1-12
SW/4 Sec.12-34S-28W
Meade County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Amanda Pickney

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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October 26, 2011

Amanda Pickney
Apache Corporation
2000 POST OAK BLVD, STE 100
HOUSTON, TX 77056

Re: ACO-1
API 15-119-21263-00-00
HAGER 1-12
SW/4 Sec.12-34S-28W
Meade County, Kansas

Dear Amanda Pickney:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 03/27/2011 and the ACO-1 was received on October 26, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department