



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

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

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

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

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

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

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

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: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2968995	Quote #:	Sales Order #: 900068309
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Bingel, Tom	
Well Name: Santa Fe	Well #: 21-2	API/UWI #: 15-187-21211	
Field:	City (SAP): JOHNSON	County/Parish: Stanton	State: Kansas
Legal Description: Section 21 Township 29S Range 41W			
Contractor: Murfin		Rig/Platform Name/Num: 21	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: KRANZ, ZACHARY		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN	10	442123	HEIDT, JAMES Nicholas	10	517102	JOHNSON, MATTHEW Warren	10	525955
TORRES, CLEMENTE	10	344233						

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
12/12/2012	1.5		12/13/2012	8.5	1.5			

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			BHST	On Location	12 - Dec - 2012	22:30	CST
Job depth MD	1628.3 ft		Job Depth TVD	Job Started	13 - Dec - 2012	03:49	CST
Water Depth			Wk Ht Above Floor	Job Completed	13 - Dec - 2012	05:17	CST
Perforation Depth (MD)	From		To	Departed Loc	07 - Dec - 2012	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
12 1/4" Surface Hole				12.25					1650.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.	8 RD (ST&C)	J-55		1650.		

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

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 8 5/8, HW, 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	7	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	1	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	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	

**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		10.00	bbl	8.33	.0	.0	6.0	
2	Lead Slurry	VARICEM (TM) CEMENT (452009)	500.0	sacks	11.4	2.95	18.09	6.0	18.09
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	18.09 Gal	FRESH WATER							
3	Tail Slurry	HALCEM (TM) SYSTEM (452986)	200.0	sacks	15.6	1.2	5.22	6.0	5.22
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	5.218 Gal	FRESH WATER							
4	Displacement		101.00	bbl	8.33	.0	.0	.0	

**Calculated Values**

**Pressures**

**Volumes**

Displacement	101 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	319 BBL	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	196 BBL	Actual Displacement	101 BBL	Treatment	
Frac Gradient		15 Min		Spacers	10 BBL	Load and Breakdown		Total Job	

**Rates**

Circulating	5	Mixing	6	Displacement	6	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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<b>Sold To #:</b> 300466	<b>Ship To #:</b> 2968995	<b>Quote #:</b>	<b>Sales Order #:</b> 900079560
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Bingel, Tom	
<b>Well Name:</b> Santa Fe		<b>Well #:</b> 21-2	<b>API/UWI #:</b> 15-187-21211
<b>Field:</b>	<b>City (SAP):</b> JOHNSON	<b>County/Parish:</b> Stanton	<b>State:</b> Kansas
<b>Legal Description:</b> Section 21 Township 29S Range 41W			
<b>Contractor:</b> Murfin		<b>Rig/Platform Name/Num:</b> 21	
<b>Job Purpose:</b> Cement Production Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Casing	
<b>Sales Person:</b> KRANZ, ZACHARY		<b>Srvc Supervisor:</b> RODRIGUEZ, EDGAR <b>MBU ID Emp #:</b> 442125	

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOURNAGAN, MICHAEL	5	524224	RODRIGUEZ, EDGAR Alejandro	5	442125	TORRES, CLEMENTE	5	344233

**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
12/19/2012	5	3.5	12/20/2012	1	0			

**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	5661. ft	Job Depth TVD	5619. ft	Job Started	19 - Dec - 2012	19:00
Water Depth	Wk Ht Above Floor	4. ft	Job Completed	19 - Dec - 2012	22:05	19:00	CST
Perforation Depth (MD)	From	To	Departed Loc	20 - Dec - 2012	23:30	01:10	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 Hole				7.875				1650.	5580.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5	8 RD (ST&C)	J-55	.	5580.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.	8 RD (ST&C)	J-55	.	1650.		

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

Description	Qty	Qty uom	Depth	Supplier
SHOE,GID,5-1/2 8RD	1	EA		
PLUG ASSY,3 WIPR LTH-DWN,5 1/2 CSG	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		
CENTRALIZER ASSY - TURBO - API -	20	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	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	5 1/2	1	HES		Packer					Top Plug	5 1/2	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar	5 1/2	1	HES		Retainer					SSR plug set			
Insert Float										Plug Container	5 1/2	1	HES
Stage Tool										Centralizers	5 1/2	20	HES

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				5.00	bbl	8.33	.0	.0	6.0		
2	Scavenger Slurry	POZ PREMIUM 50/50 - SBM (12302)			25.0	sacks	10.5	4.32	26.94	6.0	26.94	
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)										
	5 %	POTASSIUM CHLORIDE 5% (100001585)										
	8 lbm	KOL-SEAL, 50 LB BAG (100064232)										
	0.5 %	HALAD(R)-322, 50 LB (100003646)										
	26.941 Gal	FRESH WATER										
3	Tail Slurry	POZ PREMIUM 50/50 - SBM (12302)			300.0	sacks	13.9	1.56	6.65	6.0	6.65	
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)										
	5 %	POTASSIUM CHLORIDE 5% (100001585)										
	8 lbm	KOL-SEAL, 50 LB BAG (100064232)										
	0.5 %	HALAD(R)-322, 50 LB (100003646)										
	6.647 Gal	FRESH WATER										
4	Displacement				132.00	bbl	8.33	.0	.0	6.0		
	0.8 gal/Mgal	CLA-WEB - TOTE (101985045)										
Calculated Values			Pressures			Volumes						
Displacement	132	Shut In: Instant				Lost Returns		Cement Slurry		102	Pad	
Top Of Cement	2349.9	5 Min				Cement Returns		Actual Displacement		132	Treatment	
Frac Gradient		15 Min				Spacers		Load and Breakdown			Total Job	239
Rates												
Circulating	5	Mixing		5	Displacement		5	Avg. Job		5		
Cement Left In Pipe	Amount	46.31 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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<b>Sold To #:</b> 300466	<b>Ship To #:</b> 2968995	<b>Quote #:</b>	<b>Sales Order #:</b> 900068309
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Bingel, Tom	
<b>Well Name:</b> Santa Fe		<b>Well #:</b> 21-2	<b>API/UWI #:</b> 15-187-21211
<b>Field:</b>	<b>City (SAP):</b> JOHNSON	<b>County/Parish:</b> Stanton	<b>State:</b> Kansas
<b>Legal Description:</b> Section 21 Township 29S Range 41W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Murfin		<b>Rig/Platform Name/Num:</b> 21	
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> KRANZ, ZACHARY		<b>Srvc Supervisor:</b> AGUILERA, FABIAN	<b>MBU ID Emp #:</b> 442123

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/12/2012 18:30							CREW CALLED OUT FOR ANADARKO PETROLEUM, SANTE FE 21-2, 8 5/8 SURFACE
Pre-Convoy Safety Meeting	12/12/2012 20:00							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Yard	12/12/2012 20:30							CALL IN JOURNEY MANAGEMENT, IN ROUTE TO ANADARKO PETROLEUM, SANTE FE 21-2
Arrive At Loc	12/12/2012 22:30							ARRIVE AT LOCATION
Assessment Of Location Safety Meeting	12/12/2012 22:40							ASSESSED THE LOCATION, SPOT IN EQUIPMENT, WATER TESTED GOOD, GOT WITH CM AND WENT OVER JOB DEPTH AND NUMBERS, AT THIS TIME THEY HAVE GOOD RETURNS. RIG CREW IS TRIPPING OUT OF HOLE WITH DP
Pre-Rig Up Safety Meeting	12/12/2012 22:50							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Up Equipment	12/12/2012 23:00							RIG UP IRON AND WATER HOSES
Rig-Up Completed	12/13/2012 00:00							RIG UP WENT WELL AND SAFELY

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	12/13/2012 01:30							AT THIS TIME CASING CREW IS RIGGING UP TO START RUNNING CASING DOWNHOLE
Other	12/13/2012 03:00							AT THIS TIME CASING CREW DONE RUNNING CASING DOWNHOLE AND STARTED RIGGING DOWN, CM REQUESTED TO CIRCULATE TIL CASING DONE RIGGING DOWN, HAVE GOOD RETURNS
Pre-Job Safety Meeting	12/13/2012 03:30							DISCUSSED ALL POTENTIAL HAZARDS WHEN PRESSURE IS PRESENT WITH HES AND RIG CREW, WENT OVER JOB SCHEDULE AND NUMBERS WITH CM, AT THIS TIME THEY HAVE GOOD RETURNS
Start Job	12/13/2012 03:49							
Test Lines	12/13/2012 03:50							TEST LINES TO 2000 PSI
Pump Spacer	12/13/2012 03:55		5	10			190.0	PUMP SPACER 10 BBL FW
Pump Lead Cement	12/13/2012 03:58		6	276			277.0	PUMP LEAD CEMENT = 525 SKS = 276 BBL @ 11.4#
Pump Tail Cement	12/13/2012 04:44		6	43			260.0	PUMP TAIL CEMENT = 200 SKS = 43 BBL @ 15.6#
Clean Lines	12/13/2012 04:50							STOP CLEAN LINES AND TUB
Drop Top Plug	12/13/2012 04:51							DROP TOP PLUG
Pump Displacement	12/13/2012 04:52		6	101			130.0	PUMP DISPLACEMENT OF 101 BBL
Displ Reached Cmnt	12/13/2012 05:04		6		58		210.0	DISPLACEMENT REACH CEMENT AT 58 BBL AT 210 PSI
Slow Rate	12/13/2012 05:10		2		91		390.0	SLOW RATE TO 2 BPM TO BUMP PLUG AT 91 BBL GONE



Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	12/13/2012 05:14		2		101		500.0	BUMP PLUG AT 500 PSI
Check Floats	12/13/2012 05:15						1000.0	FLOATS HELD GOOD, RELEASE PRESSURE AND GOT BACK 1/2 BBL
End Job	12/13/2012 05:17							
Pre-Rig Down Safety Meeting	12/13/2012 05:20							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Down Equipment	12/13/2012 05:30							RIG DOWN IRON AND WATER HOSES
Rig-Down Completed	12/13/2012 06:30							RIG DOWN WENT WELL AND SAFELY
Pre-Convoy Safety Meeting	12/13/2012 07:00							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Location	12/13/2012 07:30							THANK YOU FOR CHOOSING HALLIBURTON, FABIAN AND CREW

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<b>Sold To #:</b> 300466	<b>Ship To #:</b> 2968995	<b>Quote #:</b>	<b>Sales Order #:</b> 900079560
<b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS		<b>Customer Rep:</b> Bingel, Tom	
<b>Well Name:</b> Santa Fe		<b>Well #:</b> 21-2	<b>API/UWI #:</b> 15-187-21211
<b>Field:</b>	<b>City (SAP):</b> JOHNSON	<b>County/Parish:</b> Stanton	<b>State:</b> Kansas
<b>Legal Description:</b> Section 21 Township 29S Range 41W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Murfin		<b>Rig/Platform Name/Num:</b> 21	
<b>Job Purpose:</b> Cement Production Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Production Casing	
<b>Sales Person:</b> KRANZ, ZACHARY		<b>Srvc Supervisor:</b> RODRIGUEZ, EDGAR	<b>MBU ID Emp #:</b> 442125

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/19/2012 14:00							DISPATCH CALLED CEMENT CREW OUT FOR JOB. ANADARKO PETROLEUM SANTA FE #21-2 5 1/2 PRODUCTION CASING
Other	12/19/2012 15:00							LOAD EQUIPMENT
Depart Yard Safety Meeting	12/19/2012 15:50							DISCUSSED ALL ROUTES TO TAKE AND THE POSSIBLE HAZARDS ON THE ROAD. DISCUSSED ALL PLANNED STOPS.
Crew Leave Yard	12/19/2012 16:00							
Arrive At Loc	12/19/2012 19:00	ä						
Assessment Of Location Safety Meeting	12/19/2012 19:03							RUNNING CASING. GOT NUMBERS FROM CUSTOMER REP. TP=5 1/2 15.5# K-55 5619.73' OH=7 7/8 @5661' PREVIOUS CSN= 8 5/8 24# J-55 @1625' SJ=46.31'
Pre-Rig Up Safety Meeting	12/19/2012 19:10							WENT OVER JSA TO DISCUSS ALL RED ZONES. WHERE TO SPOT EQUIPMENT AND RUN LINES. HAVE SPOTTER AT ALL TIMES
Rig-Up Equipment	12/19/2012 19:20							
Rig-Up Completed	12/19/2012 20:20							

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Wait on Customer or Customer Sub-Contractor Equip	12/19/2012 20:25							RUNNING CASING
Casing on Bottom	12/19/2012 21:00							WILL CIRCULATE WHILE THEY RIG CASING CREW DOWN.
Rig-Up Equipment	12/19/2012 21:45							WILL LOAD TOP PLUG IN PLUG CONTAINER WHILE CUSTOMER REP WITNESSES. WILL RIG UP IRON ON FLOOR AND STAB PLUG CONTAINER.
Pre-Job Safety Meeting	12/19/2012 21:55							DISCUSSED HAZARDS, JOB STEPS WITH ALL ON LOCATION. WENT OVER NUMBERS, PUMPING RATES, AND PRESSURES WITH CUSTOMER REP. HAD EVERYBODY INVOLVED SIGN HES SAFETY SHEET.
Start Job	12/19/2012 22:05							
Test Lines	12/19/2012 22:06						3987.0	PRESSURE TEST TO 4000 PSI.
Pump Spacer 1	12/19/2012 22:09		1	5			412.0	5 BBLs OF FRESH WATER
Pump Lead Cement	12/19/2012 22:11		5.5	19			323.0	25 SKS OF 50/50 POZ CMT @10.5 (19 BBLs)
Pump Tail Cement	12/19/2012 22:15		5.5	83			153.0	300 SKS OF 50/50 POZ CMT @13.9 (83 BBLs)
Shutdown	12/19/2012 22:30							
Clean Lines	12/19/2012 22:31							
Drop Plug	12/19/2012 22:36							5 1/2 LATCH DOWN TOP PLUG
Pump Displacement	12/19/2012 22:36		5	80	80			FRESH WATER WITH 0.8 GAL/MGAL CLA-WEB
Displ Reached Cmnt	12/19/2012 22:36							WILL SLOW TO 3 BPM WHEN DISPLACEMENT REACHES CMT.
Slow Rate	12/19/2012 22:54		3	30	110			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Slow Rate	12/19/2012 23:05		1	10	120			SLOW TO 1 BPM TO BUMP PLUG
Bump Plug	12/19/2012 23:12		1	12	132		928.0	BUMP PLUG 500 PSI OVER. FINAL PSI 1351
Check Floats	12/19/2012 23:15							FLOATS HELD DID NOT HOLD. 8 BBLs HAD COME BACK UNTIL I CLOSED THE RELEASE LINE. TALKED TO CUSTOMER REP AND HE TOLD ME TO PICK THE RATE TO BUMP PLUG. I TOLD HIM I WOULD PUMP AT 2.5 BPM AND HE AGREED.
Comment	12/19/2012 23:18							PUMPIN ON IT AGAIN.
Bump Plug	12/19/2012 23:21		2.5	8	132		1242.0	PUMPED THE 8 BBLs BACK IN. BUMP 500 PSI OVER WITH FINAL PSI BEING 1801 PSI.
Check Floats	12/19/2012 23:24							
Comment	12/19/2012 23:27							FLOATS HELD THIS TIME. 3/4 BBL BACK
End Job	12/19/2012 23:30							
Pre-Rig Down Safety Meeting	12/19/2012 23:40							DISCUSSED ALL RED ZONES. PROPER LIFTING. SPOTTING EQUIPMENT OUT OF LOCATION
Other	12/19/2012 23:50							FINISH PAPERWORK AND HAVE CUSTOMER REP SIGN.
Rig-Down Equipment	12/19/2012 23:50							
Rig-Down Completed	12/20/2012 00:50							
Depart Location Safety Meeting	12/20/2012 01:00							DISCUSSED ALL ROUTES AND POTENTIAL HAZARDS ON THE WAY BACK TO THE YARD.
Crew Leave Location	12/20/2012 01:10							THANK YOU EDGAR A. RODRIGUEZ AND HALLIBURTON CREW.