

*The Road to Excellence Starts with Safety*

Sold To #: 300466	Ship To #: 3204358	Quote #:	Sales Order #: 900932152
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: CO MAN TRNDAD 208, TOM	
Well Name: Murphy	Well #: 1-31M	API/UWI #: 15-292-21957	
Field:	City (SAP): ELKHART	County/Parish: Morton	State: Kansas
Legal Description: Section 31 Township 32S Range 42W			
Lat: N 37.218 deg. OR N 37 deg. 13 min. 5.023 secs.		Long: W 101.92 deg. OR W -102 deg. 4 min. 49.41 secs.	
Contractor: TRINADAD		Rig/Platform Name/Num: TRINADAD 208	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: STEELE, KENNETH		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 #
ESTRADA, JOSE Corral	6	541275	SEARS, LOGAN Partick	6	544024	WILTSHIRE, MERSHEK TonJe	6	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	Top	Bottom		Date	Time	Time Zone	
Formation Depth (MD)			93 degF	Called Out	04 - Dec - 2013	22:00	CST
Form Type		BHST		On Location	05 - Dec - 2013	00:00	CST
Job depth MD	1500. ft	Job Depth TVD		Job Started	05 - Dec - 2013	04:23	CST
Water Depth		Wk Ht Above Floor		Job Completed	05 - Dec - 2013	06:10	GMT
Perforation Depth (MD)	From	To		Departed Loc	05 - Dec - 2013	08:30	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					1500.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.	8 RD (ST&C)	J-55		1500.		

**Sales/Rental/3<sup>rd</sup> 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	7	EA		
CLP,LIM,8 5/8,FRICT,WTH DOGS	1	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
KIT,HALL WELD-A	1	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		
SUGAR - GRANULATED	200	LB		

**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	Fresh Water		10.00	bbl	8.33	.0	.0	6.0		
2	Lead Slurry	VARICEM (TM) CEMENT (452009)	430.0	sacks	11.4	2.93	17.98	6.0	17.98	
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.1 %	WG-17, 50 LB SK (100003623)								
	0.5 lbm	POLY-E-FLAKE (101216940)								
	17.979 Gal	FRESH WATER								
3	Tail Slurry	HALCEM (TM) SYSTEM (452986)	220.0	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		92.00	bbl	8.33	.0	.0	.0		

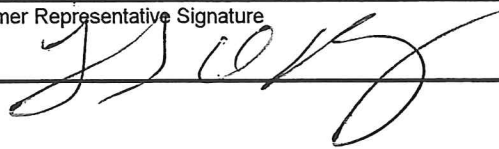
Calculated Values		Pressures		Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	Pad
Top Of Cement		5 Min		Cement Returns		Actual Displacement	Treatment
Frac Gradient		15 Min		Spacers		Load and Breakdown	Total Job

### Rates

Circulating		Mixing		Displacement		Avg. Job	
Cement Left In Pipe	Amount	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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Sold To #: 300466	Ship To #: 3204358	Quote #:	Sales Order #: 900932152
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: CO MAN TRNDAD 208, TOM	
Well Name: Murphy	Well #: 1-31M	API/UWI #: 15-292-21957	
Field:	City (SAP): ELKHART	County/Parish: Morton	State: Kansas
Legal Description: Section 31 Township 32S Range 42W			
Lat: N 37.218 deg. OR N 37 deg. 13 min. 5.023 secs.		Long: W 101.92 deg. OR W -102 deg. 4 min. 49.41 secs.	
Contractor: TRINADAD		Rig/Platform Name/Num: TRINADAD 208	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: STEELE, KENNETH		Srvc Supervisor: WILTSHIRE, MERSHEK	MBU ID Emp #: 195811

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/04/2013 22:00							
Arrive At Loc	12/05/2013 02:00							RIG HAS ONLY AROUND 5 JOINTS OF CASING TO RUN
Start Job	12/05/2013 04:23							
Test Lines	12/05/2013 04:23						3000.0	
Pump Spacer 1	12/05/2013 04:42		4	10			75.0	PUMP WATER
Pump Lead Cement	12/05/2013 04:45		6	224			120.0	430 SKS VARICEM @ 11.4#
Pump Tail Cement	12/05/2013 05:20		5	47			180.0	220 SKS HALCEM @ 15.6#
Other	12/05/2013 05:31		5		271		141.0	END CEMENT
Drop Top Plug	12/05/2013 05:31							
Pump Displacement	12/05/2013 05:35		5.5	92			75.0	DISP. W/ RG WATER
Displ Reached Cmnt	12/05/2013 05:53		4.5	47			160.0	
Slow Rate	12/05/2013 06:01		2	80			400.0	SLOW RATE LAST 12 BBLs
Other	12/05/2013 06:07						447.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	12/05/2013 06:07		2		92		1090.0	
Check Floats	12/05/2013 06:10							1 BBLs BACK TO THE UINT
Cement Returns to Surface	12/05/2013 06:12							110 BBLs OF CEMENT TO SURFACE

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
End Job	12/05/2013 06:20							

*The Road to Excellence Starts with Safety*

Sold To #: 300466	Ship To #: 3204358	Quote #:	Sales Order #: 900972915
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: BINGEL, TOM	
Well Name: Murphy	Well #: 1-31M	API/UWI #: 15-292-21957	
Field:	City (SAP): ELKHART	County/Parish: Morton	State: Kansas
Legal Description: Section 31 Township 32S Range 42W			
Lat: N 37.218 deg. OR N 37 deg. 13 min. 5.023 secs.		Long: W 101.92 deg. OR W -102 deg. 4 min. 49.41 secs.	
Contractor: TRINADAD		Rig/Platform Name/Num: 208	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: STEELE, KENNETH		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 #
ESTRADA, JOSE Corral	13	541275	Simpson, Curtis	13	557731	TORRES, CLEMENTE	13	344233
WILTSHIRE, MERSHEK TonJe	13	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	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	13 - Dec - 2013	23:00	CST
Form Type	BHST		128 degF	07 - Dec - 2013	03:00	CST
Job depth MD	5250. ft	Job Depth TVD	Job Started	14 - Dec - 2013	05:12	CST
Water Depth	Wk Ht Above Floor	Job Completed	14 - Dec - 2013	12:06	GMT	
Perforation Depth (MD)	From	To	Departed Loc	14 - Dec - 2013	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
7 7/8" Production Hole				7.875				1500.	5250.		
Multiple Stage Cementer								2375.	3750.		
5 1/2" Production Casing	Unknown		5.5	4.95	15.5	8 RD (LT&C)	J-55	.	5250.		
8 5/8" Surface Casing	Unknown		8.625	8.097	24.	8 RD (ST&C)	J-55	.	1500.		

**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 ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	6.0	
2	Scavenger (E923)	POZ PREMIUM 50/50 - SBM (12302)	15.0	sacks	10.	5.9	38.58		38.58
	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)							
	38.584 Gal	FRESH WATER							
3	Stage 1 Cement	POZ PREMIUM 50/50 - SBM (12302)	235.0	sacks	13.9	1.57	6.77	6.0	6.77
	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)							
	6.767 Gal	FRESH WATER							
4	Displacement		124.00	bbl	8.33	.0	.0	6.0	
Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water		20.00	bbl	8.33	.0	.0	.0	
2	Scavenger (E923)	MIDCON-2 CEMENT STANDARD - SBM (15078)	15.0	sacks	10.	5.43	36.47		36.47
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	2.5 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	36.47 Gal	FRESH WATER							
3	Stage 2 Cement	MIDCON-2 CEMENT STANDARD - SBM (15078)	100.0	sacks	11.8	2.62	15.39		15.39
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	2.5 lbm	KOL-SEAL, 50 LB BAG (100064232)							
	15.387 Gal	FRESH WATER							
4	Displacement		85.00	bbl	8.33	.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	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					

*[Signature]*  
 AFE 2092002  
 LD WTK612

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Sold To #: 300466		Ship To #: 3204358		Quote #:		Sales Order #: 900972915	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: BINGEL, TOM			
Well Name: Murphy			Well #: 1-31M		API/UWI #: 15-292-21957		
Field:		City (SAP): ELKHART		County/Parish: Morton		State: Kansas	
Legal Description: Section 31 Township 32S Range 42W							
Lat: N 37.218 deg. OR N 37 deg. 13 min. 5.023 secs.				Long: W 101.92 deg. OR W -102 deg. 4 min. 49.41 secs.			
Contractor: TRINADAD			Rig/Platform Name/Num: 208				
Job Purpose: Cement Multiple Stages						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Multiple Stages				
Sales Person: STEELE, KENNETH			Srcv Supervisor: WILTSHIRE, MERSHEK			MBU ID Emp #: 195811	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/13/2013 23:00							
Arrive At Loc	12/14/2013 03:00							CASING JUST REACHED BOTTOM RIG UP TO CIRCULATE
Other	12/14/2013 03:00							RIG UP CEMENT HEAD AND CIRUCLATED
Start Job	12/14/2013 05:09							5 1/2" MULTIPLE STAGE /// STAGE #1
Test Lines	12/14/2013 05:14					35000 .0		
Pump Spacer 1	12/14/2013 05:14		3	20		265.0		WATER
Pump Lead Cement	12/14/2013 05:17		6	16		320.0		15 SKS 50/50 POZ @ 10.0#
Pump Tail Cement	12/14/2013 05:20		6	66		306.0		235 SKS 50/50 POZ @ 13.93
Other	12/14/2013 05:33		6		82	120.0		END CEMENT
Clean Lines	12/14/2013 05:38							
Drop Bottom Plug	12/14/2013 05:39							
Pump Displacement	12/14/2013 05:39		6	124		90.0		40 BBSL DISP. W/ WATER /// 84 BBSL DISP. WITH MUD
Displ Reached Cmnt	12/14/2013 05:48		6	45		180.0		
Other	12/14/2013 06:12					730.0		PRESSURE BEFORE LANDING PLUG
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

Sold To #: 300466

Ship To #: 3204358

Quote #:

Sales Order #: 900972915

		#	Stage	Total	Tubing	Casing	
Bump Plug	12/14/2013 06:12		2	124		1274.0	FLOAT DIDN'T HOLD // TIRED TWICE WAIT FOR 45 MIN /// FLOAT HELD /// 1 BBL BACK TO THE UNIT
Drop Opening Device For Multiple Stage Cementer	12/14/2013 07:06						
Open Multiple Stage Cementer	12/14/2013 07:27					739.0	TOOL OPEN WITH 739 PSI /// PUMP THE REST OF THE MUD OFF THE CEMENT UNIT /// TURN OVER TO THE RIG TO CIRCULATE
Other	12/14/2013 11:20						START STAGE #2
Pump Spacer 1	12/14/2013 11:20		4	20		145.0	WATER
Pump Lead Cement	12/14/2013 11:26		5	15		200.0	15 SKS MIDCON 2 @ 10.0#
Pump Tail Cement	12/14/2013 11:29		5	47		137.0	100 SKS MIDCON 2 @ 11.8#
Other	12/14/2013 11:40		5		62	32.0	END CEMENT // DROP PLUG
Clean Lines	12/14/2013 11:42						
Pump Displacement	12/14/2013 11:44		5	84		13.0	DISP. W/ WATER
Displ Reached Cmnt	12/14/2013 11:55		5	55		130.0	
Other	12/14/2013 12:04					478.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	12/14/2013 12:04		3	84		2250.0	FLOAT HELD /// 1 BBLS BACK TO UNIT
Close Multiple Stage Cementer	12/14/2013 12:05						CLOSE DV TOOL WITH 2250 PSI
End Job	12/14/2013 12:06						