
CONOCO/PHILLIPS COMPANY EBUSINESS

**Murphy Family 4-64 36 1H
WILDCAT
Arapahoe County , Colorado**

Cement Surface Casing

30-Nov-2013

Job Site Documents

The Road to Excellence Starts with Safety

Sold To #: 352431	Ship To #: 3193330	Quote #:	Sales Order #: 900933850
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS		Customer Rep: Johnson, Mike	
Well Name: Murphy Family 4-64 36		Well #: 1H	API/UWI #: 05-005-07214
Field: WILDCAT	City (SAP): WATKINS	County/Parish: Arapahoe	State: Colorado
Lat: N 39.655 deg. OR N 39 deg. 39 min. 19.76 secs.		Long: W 104.491 deg. OR W -105 deg. 30 min. 31.734 secs.	
Contractor: H & P		Rig/Platform Name/Num: H & P280	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: PLIENESS, RYAN		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROOM, KENDALL L	9.5	524682	LAVALLEY, LARRY P	9.5	419296	MYRE, JAMES	9.5	549859
WILEY, JAMES A	9.5	440080						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	47 mile	10679720C	47 mile	10866493C	47 mile	11036295	47 mile
11338223	47 mile	11410470C	47 mile	11518549	47 mile	11532305	47 mile
11645063	47 mile	11748359	47 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/30/13	9.5	3						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom	Called Out	29 - Nov - 2013	22:00	MST
Form Type	BHST			On Location	30 - Nov - 2013	02:50	MST
Job depth MD	2145. ft		Job Depth TVD	2145. ft	Job Started	30 - Nov - 2013	10:15
Water Depth			Wk Ht Above Floor	6. ft	Job Completed	30 - Nov - 2013	13:20
Perforation Depth (MD)	From		To	Departed Loc	30 - Nov - 2013	14:15	MST

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
13-1/2" Open Hole				13.5				100.	2145.		
16" Casing	Unknown		16.	15.5				.	100.		
9-5/8" Casing	Mixed		9.625	8.921	36.	STC	J-55	.	2179.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT SURFACE CASING BOM	0	JOB		
SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA		
CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	25	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
KIT,HALL WELD-A	1	EA		
MILEAGE FOR CEMENTING CREW,ZI	100	MI		

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	Clean Spacer III				50.00	bbl	8.33	3.86	24.21	5.0			
2	12# SwiftCem B2 Lead	SWIFTCEM (TM) SYSTEM (452990)			465.0	sacks	12.	2.56	15.09	5.0	15.09		
	15.086 Gal	FRESH WATER											
3	13# SwiftCem B2 Tail	SWIFTCEM (TM) SYSTEM (452990)			200.0	sacks	13.	2.01	10.99	5.0	10.99		
	10.989 Gal	FRESH WATER											
Calculated Values		Pressures			Volumes								
Displacement	162	Shut In: Instant			Lost Returns	0	Cement Slurry	284	Pad				
Top Of Cement	SURFACE	5 Min			Cement Returns	64	Actual Displacement	162	Treatment				
Frac Gradient		15 Min			Spacers	50	Load and Breakdown		Total Job	499			
Rates													
Circulating		Mixing	5		Displacement	5		Avg. Job	5				
Cement Left In Pipe	Amount	45.2 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								

4.0 Custom Graphs

4.1 Custom Graph

