

The Road to Excellence Starts with Safety

Sold To #: 352431		Ship To #: 3005141		Quote #:		Sales Order #: 900657370	
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS				Customer Rep: Evans, Wes			
Well Name: Moran Trust			Well #: 2-1		API/UWI #: 05-005-07207		
Field: WILDCAT		City (SAP): BENNETT		County/Parish: Arapahoe		State: Colorado	
Legal Description: Section 2 Township 5S Range 64W							
Lat: N 39.642 deg. OR N 39 deg. 38 min. 30.142 secs.				Long: W 104.517 deg. OR W -105 deg. 29 min. 0.139 secs.			
Contractor: H&P			Rig/Platform Name/Num: H&P 280				
Job Purpose: Cement Intermediate Casing							
Well Type: Development Well			Job Type: Cement Intermediate Casing				
Sales Person: GROFF, THEODORE			Srvc Supervisor: OTERI, VAUGHN			MBU ID Emp #: 443828	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	11.	372277	MAYFIELD, BYRON L	11.	528751	OTERI, VAUGHN Steeves	11.	443828
SIMS, DENNIS A	11.	158880	TRANCOSO, JEFFREY Donald	11.	550472	TRIER, DEREK	11.	546461

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	47 mile	10867419C	47 mile	11036301	47 mile	11526488	47 mile
11527041C	47 mile	11645063	47 mile	11812069C	47 mile	12010172	47 mile

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				Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom	Called Out	10 - Aug - 2013 16:42	MST
Form Type		BHST		On Location	10 - Aug - 2013 21:30	MST
Job depth MD	8030. ft	Job Depth TVD	8030. ft	Job Started	11 - Aug - 2013 04:45	MST
Water Depth		Wk Ht Above Floor	5. ft	Job Completed	11 - Aug - 2013 08:00	MST
Perforation Depth (MD)	From		To	Departed Loc	11 - Aug - 2013 08:30	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
8-3/4" Open Hole				8.75				2266.	8017.		
7" Casing	Unknown		7.	6.094	32.	BTC	P-110	.	8017.		
9-5/8" Casing	Unknown		9.625	8.921	36.	STC	J-55	.	2266.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	0	JOB		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
CLR,FLT,7 LG 8RD 23-26PPF,2-3/4	1	EA		
CENTRALISER SLIDER II,#0700-0834S	80	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
MILEAGE FOR CEMENTING CREW,ZI	100	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	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				40.00	bbl	10.5	3.86	24.21	.0				
	0.5 gal/bbl	SEM-7, 5 GAL PAIL (100003860)												
	0.5 gal/bbl	MUSOL(R) A, 5 GAL PAIL (100064220)												
2	ExtendaCem B1	EXTENDACEM (TM) SYSTEM (452981)			420.0	sacks	12.	2.0	10.64		10.64			
	0.2 %	SUPER CBL, 50 LB PAIL (100003668)												
	3 %	SALT, BULK (100003695)												
	10.64 Gal	FRESH WATER												
3	HalCem	HALCEM (TM) SYSTEM (452986)			135.0	sacks	15.8	1.52	6.19		6.19			
	6.19 Gal	FRESH WATER												
Calculated Values		Pressures			Volumes									
Displacement		Shut In: Instant			Lost Returns		0	Cement Slurry		Pad				
Top Of Cement		5 Min			Cement Returns		0	Actual Displacement		Treatment				
Frac Gradient		15 Min			Spacers		40	Load and Breakdown		Total Job				
Rates														
Circulating		Mixing			Displacement			Avg. Job						
Cement Left In Pipe		Amount	80 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									

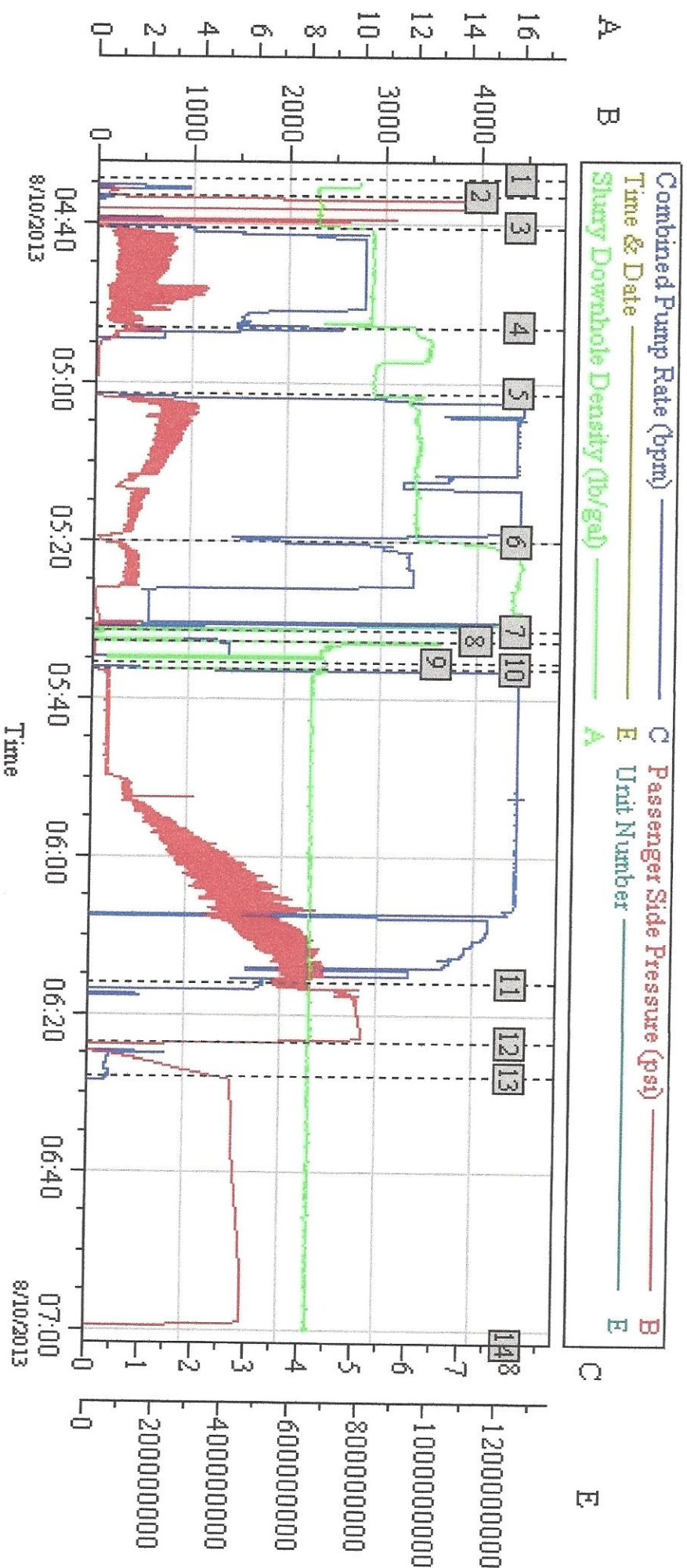
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Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: GROFF, THEODORE		Srvc Supervisor: OTERI, VAUGHN	MBU ID Emp #: 443828

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	08/11/2013 04:45							PRELOADED PLUGS WITHNESSED BY COMPANY REP
Test Lines	08/11/2013 04:47						4000.0	TESTED LINES FOUND NO LEAKS ,PRESSURE HELD
Pump Spacer 1	08/11/2013 04:49		5	40			540.0	MIXED 10.5PPG CLEAN SPACER ON BATCH MIXER WITH FRESH WATER
Drop Bottom Plug	08/11/2013 05:03							PLUG LEFT PLUG CONTAINER WITHNESSED BY COMPANY REP
Pump Lead Cement	08/11/2013 05:03		8	149			690.0	MIXED 12.0PPG EXTENDACEM WITH FRESH WATER
Pump Tail Cement	08/11/2013 05:31		6	36			665.0	MIXED 15.8PPG HALCEM WITH FRESH WATER
Shutdown	08/11/2013 05:40							CLOSED ALL VALVES ON MANIFOLD
Clean Lines	08/11/2013 05:41							PUMP LINES CLEAN
Drop Top Plug	08/11/2013 05:42							PLUG LEFT PLUG CONTAINER WITHNESSED BY COMPANY REP
Pump Displacement	08/11/2013 05:46		8	285			1500.0	PUMPED 285BBLS OF TREATED WATER SUPPLIED BY COMPANY
Bump Plug	08/11/2013 06:25						2150.0	BUMP PLUG 500 OVER FINAL PRESSURE
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

		#		Stage	Total	Tubing	Casing	
Check Floats	08/11/2013 06:34						2855. 0	RELEASE PRESSURE BACK TO PUMP TRUCK 3BBLs BACK
Pressure Up Well	08/11/2013 06:36						1500. 0	PRESSURE UP CASING FOR 30 MINS PER CONOCO PHILLIPS POLICY
End Job	08/11/2013 07:06							

Conoco Moran Trust 2-1
Intermediate



Global Event Log

1	Start Job	04:34:20	2	Test Lines	04:36:37	3	10.5 ppg Clean Spacer	04:40:30
4	Drop Bottom Plug	04:52:57	5	12 ppg ExtendaCem	05:01:16	6	15.8 ppg HalCem	05:20:03
7	Shut Down	05:31:23	8	Wash pump and lines	05:32:40	9	Drop Top Plug	05:35:32
10	Displacement	05:36:15	11	Bump Plug	06:16:06	12	Check Floats	06:23:34
13	Casing Test	06:28:00	14	End Job	07:01:46			

Customer: Halliburton
Well Description: RTD

Job Date: 10-Aug-2013
UWT:

Sales Order #: 04:34:45

Water Analysis For Cement Mixing Water

Company: CONOCO/PHILLIP
S COMPANY
EBUSINESS

Lease: Moran Trust

Well Name, Nbr: Moran Trust, 2-1

Rig Name/Nbr: H&P 280

API No. /UWI 05-005-07207

County: Arapahoe

State: Colorado

Country: United States of America

FIELD TEST KIT

NOTE: These tests are an indication of POTENTIAL contamination and are not conclusive.
For more comprehensive results, a sample should be submitted to the Local Area Lab

Date 11-Aug-2013

Ticket Number 900657370

Service Supervisor OTERI, VAUGHN

Water Source

Temperature

pH.

Specific Gravity

[<80 F]

[between 6-8 pH]

[1.000 - 1.005 see Chart]

Chart in Kit shows comparisons of: Chlorides

Calcium

[<3,000 ppm @ 1.004 S.G.]

[<500 ppm @ 1.004 S.G.]

PASS	FAIL	<u>Nessler's Nitrogen</u>	[Passing Parameters]
<input type="checkbox"/>	<input type="checkbox"/>	Color of Yellow	[<4.5 ppm (mg/L)]
		<u>Tannin-Lignin</u>	
<input type="checkbox"/>	<input type="checkbox"/>	Color of Blue	[<25.0 ppm]
		<u>Sulfate</u>	
		Degree of Clarity	[200 ppm]
<input type="checkbox"/>	<input type="checkbox"/>	Black X Visible	[if NO >200 ppm = FAIL]
		<u>Iron (Fe)</u>	
<input type="checkbox"/>	<input type="checkbox"/>	Degree of Orange	[<20.0 ppm]

Material Roll Up

Sales Order #: 900657370
AFE #:
WO #:
PO #:

Crew: GREEN
Requested Job Start Date: 08-11-13

Colorado Oil and Gas Commission Wellsite Form

Customer: CONOCO PHILLIPS
UWI / API Number:
Well Name: MORAN TRUST
Well No: 2-1
Stage / Zone:
Formation:

Field:
County/Parish: ARAPAHOE
State: COLORADO
Latitude:
Longitude:
Sect / Twn / Rng: / /

Job Type: INTERMEDIATE
Service Supervisor: VAUGHN OTERI
Cust Rep Name:
Cust Rep Phone #: (

Do Not leave the yard without the proper MSDS documentation for All chemicals.

Colorado Oil and Gas Commission					
Material	Delivered to Location	UOM	Specific Gravity	Weight (lbs)	Comment
CLEAN SPACER	08-11-13	LB		5879.3	
EXTENDACEM	08-11-13	LB		37939	
HALCEM	08-11-13	LB		17237	
		LB			
		GAL			
		Gal			
		LB			

X

Operator provided all Material Safety Data Sheets (MSDS) related to material listed above.
Operator representative will check box to designate he/she has received all MSDS documentation.

Operator Representative Signature