

The Road to Excellence Starts with Safety

Sold To #: 318072	Ship To #: 2792004	Quote #:	Sales Order #: 7463564
Customer: PETERSON ENERGY MANAGEMENT	Customer Rep: HOPE, CRAIG		
Well Name: State-Bradbury	Well #: 13-36	API/UWI #: 05-005-07128-00	
Field: PEACE PIPE	City (SAP): STRASBURG	County/Parish: Arapahoe	State: Colorado
Contractor: Ensign	Rig/Platform Name/Num: 14		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: FLING, MATTHEW	Srv Supervisor: BLAKE, MICHAEL	MBU ID Emp #: 305760	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	13.5	372277	BLAKE, MICHAEL James	13.5	305760	DRAA, JOSEPH Michael	13.5	429860
SINCLAIR, RICHARD	13.5	368195	WILEY, JAMES A	13.5	440080			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025030	73 mile	10248060C	73 mile	10679720C	73 mile	10804557C	73 mile
10824253C	73 mile	11019275C	73 mile	11142999	73 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/27/10	13.5	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	7350. ft	7350. ft						26 - Jun - 2010	22:30	MST
											On Location	27 - Jun - 2010	01:30	MST
											Job Started	27 - Jun - 2010	08:05	MST
											Job Completed	27 - Jun - 2010	13:53	MST
											Departed Loc	27 - Jun - 2010	15:00	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
7 7/8 Open Hole				7.875				770.	7350.	.	7350.
Multiple Stage Cementer	Unknown							1463.	1463.		
Production Casing	New		4.5	4.	11.6		N-80	.	7340.	.	7340.
Surface Casing	Unknown		8.625	8.097	24.		J-55	.	770.		

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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	.	.0	.0	4.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	.0	.0	.0	
3	TUNED SPACER III	TUNED SPACER III - SBM (483826)	20.00	bbl	10.5	.0	.0	.0	
37.58 gal/bbl		FRESH WATER							
88.7 lbm/bbl		BARITE, 100 LB SK (100003680)							
4	1st Stage Cement 13.5#	FRACCEM (TM) SYSTEM (452963)	230.0	sacks	13.5	1.7	8.16	5.0	8.16
8.162 Gal		FRESH WATER							
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	Water Spacer		10.00	bbl	8.33	.0	.0	4.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	.0	.0	4.0	
3	TUNED SPACER III	TUNED SPACER III - SBM (483826)	20.00	bbl	10.5	.0	.0	4.0	
37.58 gal/bbl		FRESH WATER							
88.7 lbm/bbl		BARITE, 100 LB SK (100003680)							
4	2nd Stage Cement 12.5#	ECONOCEM (TM) SYSTEM (452992)	190.0	sacks	12.5	1.9	10.37	5.0	10.37
10.371 Gal		FRESH WATER							
5	15.8# Tail Cmt.	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	50.0	sacks	15.8	1.15	4.99	3.0	4.99
94 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
4.989 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	144	Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	135	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown	108	Total Job	387
Rates									
Circulating	5	Mixing	7	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	1.5 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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Customer: PETERSON ENERGY MANAGEMENT		Customer Rep: HOPE, CRAIG	
Well Name: State-Bradbury		Well #: 13-36	API/UWI #: 05-005-07128-00
Field: PEACE PIPE	City (SAP): STRASBURG	County/Parish: Arapahoe	State: Colorado
Legal Description:			
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: Ensign		Rig/Platform Name/Num: 14	
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FLING, MATTHEW		Srvs Supervisor: BLAKE, MICHAEL	MBU ID Emp #: 305760

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	06/27/2010 01:30							
Safety Huddle	06/27/2010 01:45							
Safety Meeting	06/27/2010 07:50							
Start Job	06/27/2010 08:05							# 1 STAGE
Test Lines	06/27/2010 08:06		0.5	1	1		4720.0	TEST PUMPS AND LINES
Pump Water	06/27/2010 08:08		5	10	11		195.0	PUMP WATER SPACER AND CLAY FIX
Pump Spacer 1	06/27/2010 08:10		5	24	35		230.0	PUMP MUD FLUSH
Pump Spacer 2	06/27/2010 08:15		5	20	55		260.0	PUMP TUNED SPACER AT 10.5#
Pump Cement	06/27/2010 08:21		8	70	125		325.0	PUMP (230 sks) OF FRACCEM CEMENT AT 13.5#
Drop Top Plug	06/27/2010 08:31							SHUT DOWN AND DROP PLUG AND CLEAN LINES
Pump Displacement	06/27/2010 08:35		8	114	139		745.0	PUMP DISPLACEMENT WITH WATER AND CLAY FIX
Bump Plug	06/27/2010 08:53						1990.0	BUMP PLUG AND RELEASED BACK AND CHECK FLOATS HELD
Pause	06/27/2010 08:57						1130.0	SHUT DOWN AND DROP BOMB AND WAIT 10 min.
Open Multiple Stage Cementer	06/27/2010 09:12							OPEN MSC. AND PUMP TO MAKE SURE GOT CIRCULATION

Sold To # : 7.20.130

Ship To # :2792004

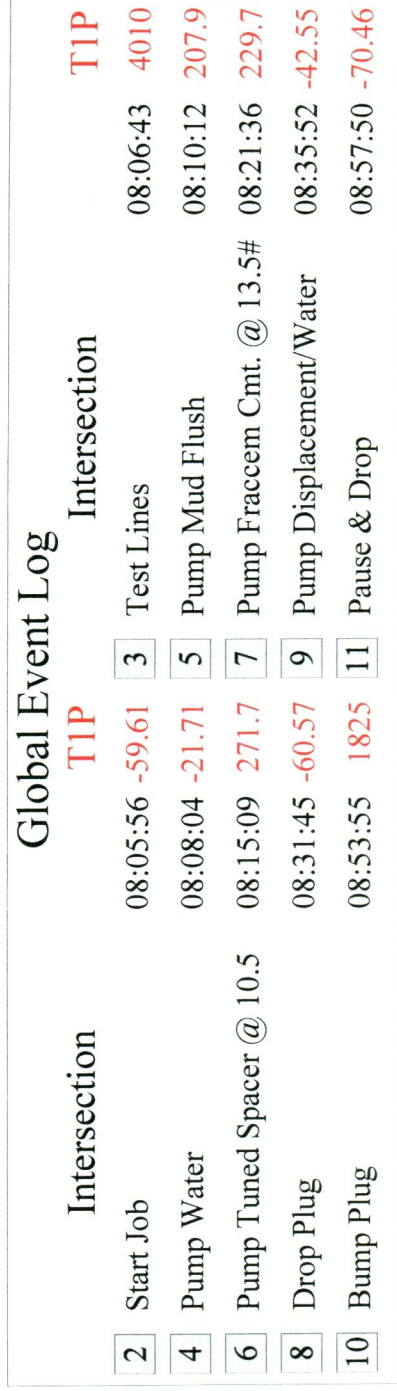
Quote # :

Sales Order # : 7463564

SUMMIT Version: 7.20.130

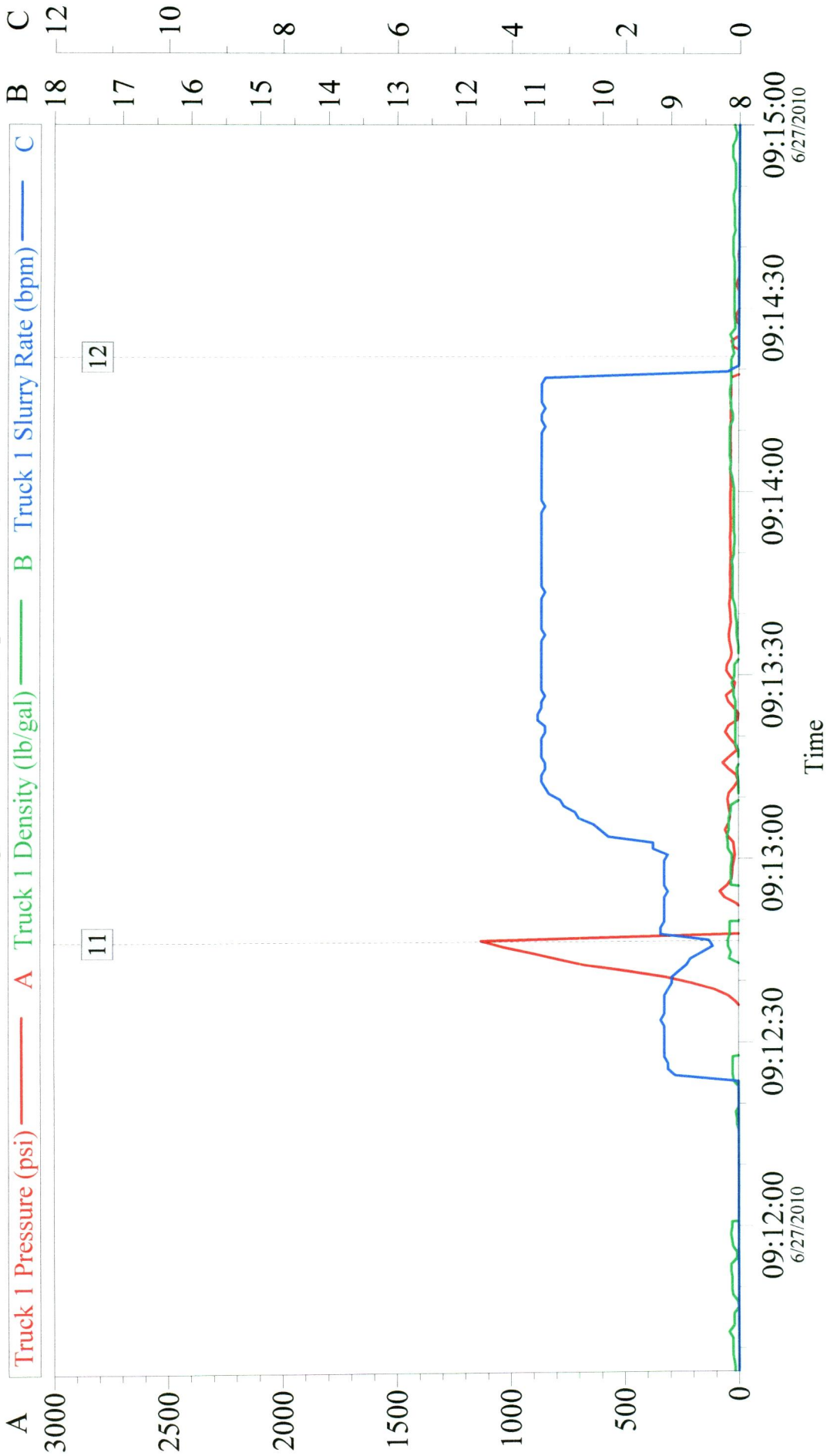
Sundav. June 27. 2010 02:19:00

4 1/2 2 Stage Production (1 St. Stg.)



Customer:	Peterson Energy	Job Date:	27-Jun-2010	Sales Order #:	7463564
Well Description:	Prod.	UWI:			

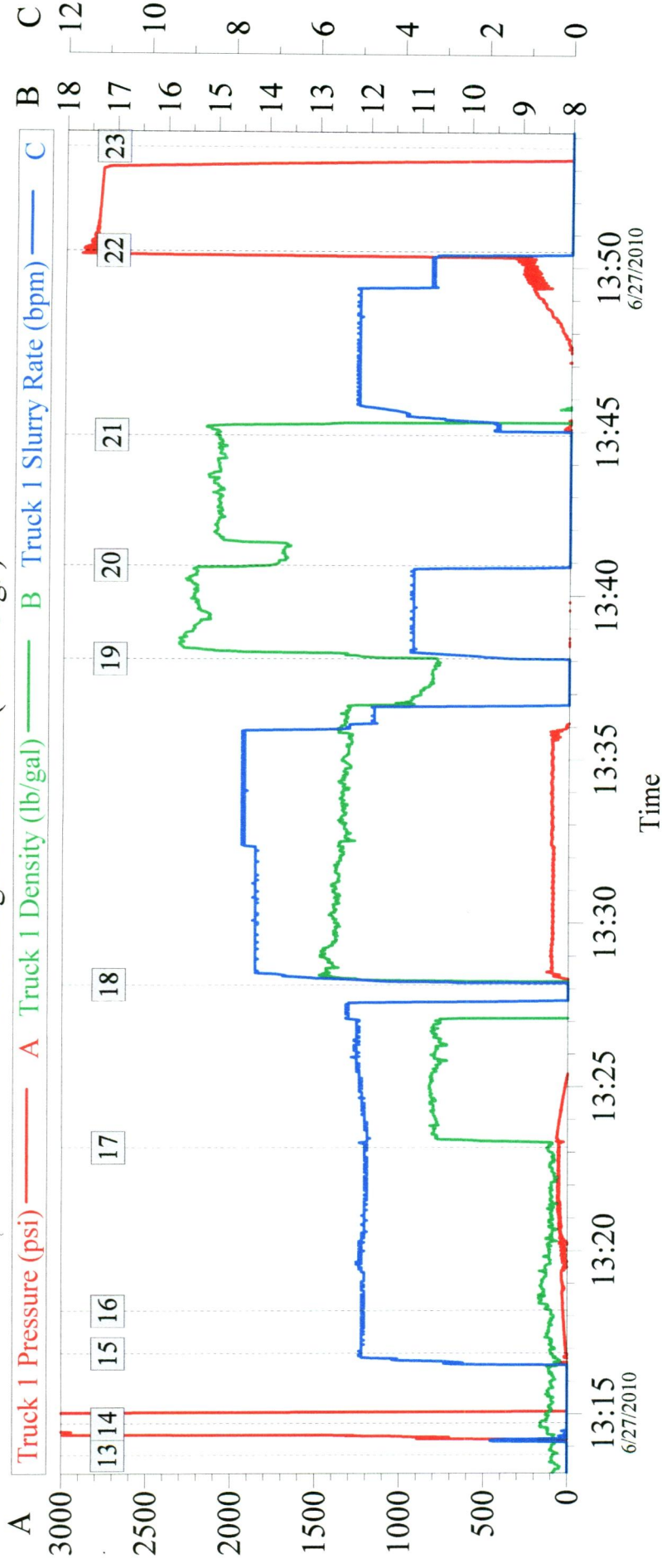
Peterson Energy - State Bradbury 13-36
4 1/2 2 Stage Production (Open MSC)



Global Event Log							
Intersection		TIP		Intersection		TIP	
11	Open MSC	09:12:47	1120	12	Pause	09:14:22	-41.79

Customer:	Peterson Energy	Job Date:	27-Jun-2010	Sales Order #:	7463564
Well Description:	Prod.	UWI:			

Peterson Energy - State Bradbury 13-36 4 1/2 2 Stage Production (2nd. Stg.)



Global Event Log			
Intersection	TIP	Intersection	TIP
13 Resume	13:13:44 -67.49	14 Test Lines	13:14:44 3845
15 Pump Water	13:16:52 8.503	16 Pump Mud Flush	13:18:10 26.52
17 Pump Tuned Spacer @ 10.5#	13:23:09 52.98	18 Pump Econocem Cmt @ 12.5#	13:28:08 -75.41
19 Pump Premium Cmt. @ 15.8#	13:38:05 -66.26	20 Drop Plug	13:40:55 -79.37
21 Pump Displacement	13:44:53 -70.46	22 Bump Plug	13:50:29 2840
23 End Job	13:53:41 -82.82		

Customer: Peterson Energy	Job Date: 27-Jun-2010	Sales Order #: 7463564
Well Description: Prod.	UWI:	

Material Roll Up

Sales Order #: 7463564

AFE #:

WO #:

PO #:

Crew: _____

Requested Job Start Date: 6-27-10**Colorado Oil and Gas Commission Wellsite Form**

Customer: Peterson Enegy Field: DJ BASIN Job Type: PRODUCTION
UWI / API Number: County/Parish: Service Supervisor: MICHAEL BLAKE
Well Name: State Bradbury State: CO.
Well No: 13-36 Latitude:
Stage / Zone: Longitude: Cust Rep Name:
Formation: Sect / Twn / Rng: / / 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
FRACCEM CEMENT	LOC.	LB	3.14	23794	
ECONOCCEM CEMENT		LB	3.14	17273	
PREMIUM CEMENT		LB	2.35	4700	
TUNED SPACER		LB	2.65	5160	
HALAD -344		LB	1.19		
SILICALITE		LB	2.52		
ECONOLITE		LB	2.40		
FE-2		LB	1.542		
BENTONITE(GEL)		LB	2.65		
CFR-3		LB	1.28		
CLAYFIX		GAL	1.06	20	LIQUID MIXED IN WATER
CAL CLORIDE		LB			
POLY FLAKE		LB			
MUD FLUSH		LB		180	

☐

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