

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 19-JUL-15		F.R. # 10011166240			SERV. SUPV. Daniel F Kuenz						
LEASE & WELL NAME RAZOR FED #30K-3106 - API 05123402130000			LOCATION NESW S30-10N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # UNIT 406			TYPE OF JOB Liner								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
Dart For Plug Catcher, 4-1/2 In		Float Collar, Pop Valve, 4-1/2 - 8rd							Liner		5331	5331		
		Float Shoe 4-1/2 - 8rd												
		Stop Collar, 4-1/2 in												
		Centralizer, with Pins, 4-1/2 in												
		Thread Locking Compound												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES								
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh Water w/ Dye							8.34				10			
Ultraflush II							12				20			
50:50Poz:G+.2%R3+.2%FL63+.2%CD32+.6%FL52				C07-037-15		720	14.5	1.21	5.26	06:09	155.2	90.19		
+.1%SMS+3%Gel+.01gpsFP6L				C07-037-15			14.5				0			
2% KCl Water, 1st 10bbis Sugar Water							8.4				160.3			
2% KCl Water, Roll Hole							8.4				130			
Available Mix Water 400 Bbl.				Available Displ. Fluid 400 Bbl.				TOTAL		475.5 90.19				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6.125	15	13488	3.34	4	14	DP	5331	5331	S-135	13480	13437	1		
			4	4.5	11.6	CSG	13480	6024	P-110					
LAST CASING				PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
6.2	7	29	CSG	6450	6024	Liner		5331	0	0	2	1502	WATER BASED	9.1
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER			
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator			
160.3	BBLS	2% KCl Water, 1st 10 2% KCl Water, Roll H		8.4 8.4	1269	0	0	0	0	10690	8552	Rig Tanks		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2.5			Circulation Rate: 4.6 BPM					
Mud Density In: 9.1 LBS/GAL				Mud Density Out: 9.1 LBS/GAL		PV & YP Mud In: 11			PV & YP Mud Out: 11					
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>								
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: Visual								
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 96			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID					
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 0				Competition: 0		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:								
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT				Bottom of Plug: 0 FT						
Squeezes (Update Original Treatment Report for Primary Job)														
BLOCK SQUEEZE <input type="checkbox"/>				SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>				
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL						

CEMENT JOB REPORT



Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Rig running into hole with casing when we arrived on location. Appro 2000' casing & 5331' drill pipe left to run into hole.

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5196 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:00						YARD CALL	
14:15						PRE-JOB CONVOY SAFETY MEETING	
14:30						DEPART BHI YARD	
17:00						ARRIVE ON LOCATION	
17:05						SAFETY WALK AROUND ON LOCATION	
17:10						PRE-RIG UP SAFETY MEETING	
17:15						SPOT CEMENT EQUIPMENT ON LOCATION	
17:20						RIG UP WATER & BULK TRUCKS	
17:30						ALL EO'S OFF DUTY WELLSITE, RIG RUNNING CASING	
18:10						RIG FINISHED RUNNING CASING	
18:15						ALL EO'S BACK ON DUTY, RIG UP ALL GROUND IRON	
19:10						RIG STARTED RUNNING DRILL PIPE	
19:45						ALL EO'S OFF DUTY WELLSITE, RIG RUNNING DRILL PIPE	
22:23	1196	0	4.6	690	WBM	CASING LANDED, RIG CIRCULATING	
23:27						DROP BALL	
00:18						SET HANGER	
00:30						ALL EO'S BACK ON DUTY	
00:45						PRE-JOB SAFETY MEETING	
01:15						MAKE UP TOP CONNECTION TO WELLHEAD, RIG UP ALL IRON ON RIG FLOOR	
01:47	169	0	2.4	2	H2O	LOAD LINES, FRESH WATER SPACER	
01:49	5196	0	0	0	H2O	PRESSURE TEST HARD LINES	
01:54	539	0	2.4	8	H2O	FRESH WATER SPACER w/ DYE	
01:58	0	0	0	0	H2O	BATCH UP ULTRAFLUSH II 12#	
02:04	496	0	2.4	20	H2O	ULTRAFLUSH II SPACER @ 12#	
02:16	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY 14.5#	
02:21	469	0	3.6	10	CEMENT	720sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
02:25	0	0	0	0	CEMENT	KNIFE GATE STUCK, HAD TO REMOVE CAGE TO FREE KNIFE GATE	
02:30	469	0	3.6	90	CEMENT	720sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
02:58	396	0	3.6	55.2	CEMENT	720sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
03:21	0	0	0	0	CEMENT	SHUT DOWN, WASH UP CEMENT PUMP TO CATCH TANK	
03:33	196	0	3.6	10	H2O	DROP DART, SUGAR WATER DISPLACEMENT	
03:36	236	0	4.8	15	H2O	2% KCl WATER DISPLACEMENT	
03:39	569	0	3.1	9	H2O	SLOW RATE, 2% KCl WATER DISPLACEMENT	
03:42	981	0	3.1	2	H2O	DART/WIPER PLUG LATCH	

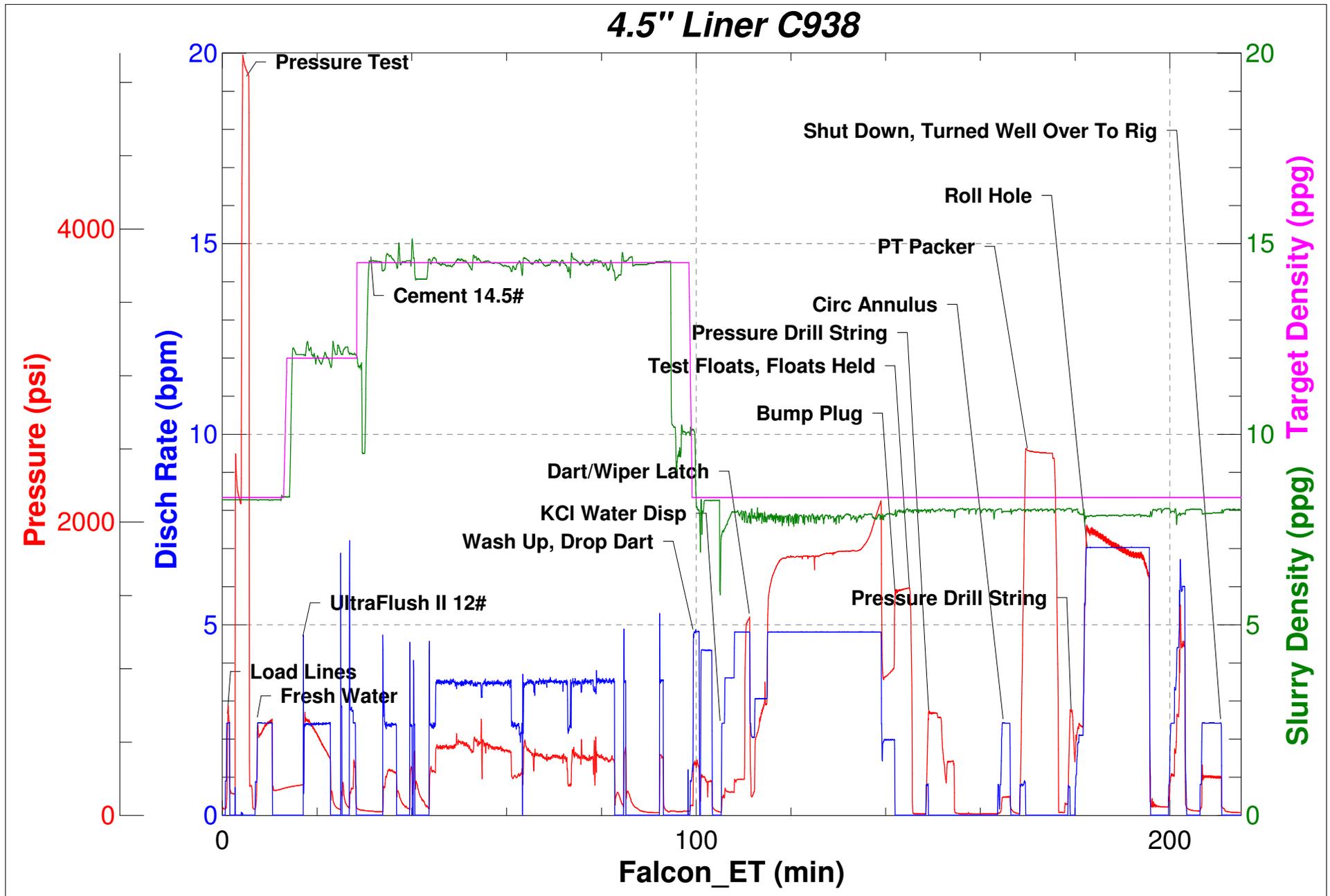
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	PIPE	ANNULUS				TEST LINES 5196 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
03:43	1609	0	4.8	64	H2O	2% KCl WATER DISPLACEMENT	
03:56	1769	0	4.8	50	H2O	2% KCl WATER DISPLACEMENT	
04:07	926	0	1.9	10.3	H2O	SLOW RATE, 2% KCl WATER DISPLACEMENT	
04:09	1546	0	0	0	H2O	BUMP PLUG 600 psi OVER FINAL LIFT PRESSURE	
04:12	1549	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
04:14	0	0	0	0	H2O	FLOATS HELD, 1 bbls FLOWED BACK	
04:20	0	0	0	0	H2O	RIG SETTING PACKER	
04:31	126	0	2.4	5	H2O	ESTABLISH ANNULAR FLOW, 2% KCl WATER	
04:36	2504	0	0	1	H2O	PRESSURE TEST PACKER, 2500 psi, HOLD 5 min	
04:38	2500	0	0	0	H2O	HOLD PRESSURE 5 min	
04:43	2471	0	0	0	H2O	BLEED OFF PRESSURE	
04:46	719	0	0	0	H2O	PUT 800 psi ON DRILL PIPE STRING	
04:47	700	0	0	0	H2O	RIG STINGING OUT OF LINER	
04:48	1960	0	6.9	125	H2O	ROLL HOLE, 2% KCl WATER	
05:19	0	0	0	0	H2O	SHUT DOWN, TURNED WELL BACK OVER TO RIG	
05:25						POST-JOB SAFETY MEETING, RIG DOWN	
						10bbls FW & 18bbls UltraFlush II Spacers Back To Surface	
						TOP OF CEMENT @ APPROX 5331'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	
06:00						ALL EO'S OFF DUTY WELLSITE, OUT OF DOT DRIVING HOURS	
14:00						2 RELIEF DRIVERS ARRIVED ON LOCATION	
14:01						PRE-TRIP 2 BULK TRUCKS	
14:12						POST-JOB CONVOY SAFETY MEETING	
14:15						4 EO'S FROM JOB AND 3 DRIVERS DEPART LOCATION	
16:00						SERVICE SUPERVISOR BACK ON DUTY. 10hrs OFF	
16:02						PRE-TRIP TRUCK	
16:10						SERVICE SUPERVISOR AND DRIVER ARRIVE ON LOCATION	
16:15						DEPART LOCATION	
16:25						POST-JOB CONVOY SAFETY MEETING	
16:30						SERVICE SUPERVISOR AND BULK TRUCK DEPART LOCATION, CEMENT PUMP LEFT ON LOCATION	
18:00						DROP OFF HOSE TRAILER ON ANOTHER LOCATION	
19:00						ARRIVE BACK ON BHI YARD, 2 SERVICE SUPERVISORS AND BULK TRUCK	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1546	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	475.5	0	Y <input checked="" type="checkbox"/> N	

4.5" Liner C938





FIELD RECEIPT NO. 10011166240

CUSTOMER WHITING OIL & GAS CORP XML				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20096998 - 0040137279	INVOICE NUMBER		
MAIL INVOICE TO 1700 BROADWAY, SUITE 2300		STREET OR BOX NUMBER		CITY DENVER	STATE Colorado	ZIP CODE 80290-2300			
DATE WORK COMPLETED 07 19 2015	MO.	DAY	YEAR	BHI REPRESENTATIVE Daniel F Kuenz	WELL API NO: 05123402130000	WELL TYPE : New Well			
DISTRICT PP, BRIGHTON				JOB DEPTH (ft) 13,480	WELL CLASS : Oil				
WELL NAME AND NUMBER RAZOR FED #30K-3106				TD WELL DEPTH (ft) 13,488	GAS USED ON JOB : No Gas				
WELL LOCATION : 30-10N-58W		LEGAL DESCRIPTION		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Liner			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement			sacks	361	31.800	11,479.80	75%	2,869.95
100275	Sodium Metasilicate			lbs	61	4.100	250.10	82%	45.02
100283	R-3			lbs	121	3.840	464.64	82%	83.64
100316	Barite, Bulk			lbs	4200	0.630	2,646.00	80%	529.20
100317	Poz (Fly Ash)			sacks	361	14.200	5,126.20	75%	1,281.55
398117	Ultra Flush II System			bbbls	20	213.500	4,270.00	90%	427.00
488013	CD-32			lbs	121	13.300	1,609.30	82%	289.67
488015	FL-52			lbs	363	26.900	9,764.70	82%	1,757.65
488019	FP-6L			gals	10	104.250	1,042.50	82%	187.65
488449	Bentonite II			lbs	1815	0.440	798.60	82%	143.75
499632	Granulated Sugar			lbs	100	3.840	384.00	82%	69.12
499767	FL-63			lbs	121	72.000	8,712.00	82%	1,568.16
SUB-TOTAL FOR Product Material							46,547.84	80.12%	9,252.36
ARRIVE LOCATION :	MO. 07	DAY 18	YEAR 2015	TIME 17:00	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP. Kevin Mosley, Kyle Renton					CUSTOMER AUTHORIZED AGENT X			BHI APPROVED	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								CUSTOMER AUTHORIZED AGENT X	



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WELL LOCATION : 30-10N-58W		LEGAL DESCRIPTION 30-10N-58W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Liner		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
H9985	Additional Hours				ea	4	750.000	3,000.00	0%	3,000.00
H9985	Additional Miles Total 105 Miles				ea	1	700.000	700.00	0%	700.00
VP001	Cement Svcs Lin Equip-100miles or less				ea	1	15,750.000	15,750.00	0%	15,750.00
	SUB-TOTAL FOR Equipment							19,450.00	0%	19,450.00
	FIELD ESTIMATE							65,997.84	56.51%	28,702.36
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CUSTOMER REP. Kevin Mosley, Kyle Renton					CUSTOMER AUTHORIZED AGENT CUSTOMER AUTHORIZED AGENT				CUSTOMER AUTHORIZED AGENT X	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									BHI APPROVED X	