



Job Summary

Ticket Number	Ticket Date
TN# BCO-2006-0006	6/2/2020

COUNTY	COMPANY	API Number
WELD	PDC ENERGY	512313349
WELL NAME	RIG	JOB TYPE
HOFF 20-1	Ensign 356	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.379167 -104.571389	Francisco Flores	Bud Holman

EMPLOYEES		
Tony Yates		
Doug Graves		

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole					
1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	12	4210	0		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe							
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	15.1	J55	4210	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7	J55	4025	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA				
Stage 1:	From Depth (ft):	4210	To Depth (ft):	3885
Type: Squeeze	Volume (sacks):	67	Volume (bbls):	28.7
Cement & Additives:				
	Density (ppg)	12	Yield (ft³/sk)	2.41
	Water Req.			12.02

Stage 2:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)		Yield (ft³/sk)	
	Water Req.			

Stage 3:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)		Yield (ft³/sk)	
	Water Req.			

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)		Yield (ft³/sk)	
	Water Req.			

SUMMARY				
Preflushes:	4 bbls of Fresh Water	Calculated Displacement (bbl):	13.5	Stage 1
	10 bbls of SAPP	Actual Displacement (bbl):	13.5	Stage 2
Total Preflush/Spacer Volume (bbl):	14	Plug Bump (Y/N):		Bump Pressure (psi):
Total Slurry Volume (bbl):	28.7	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	59.2			
Returns to Surface:	Mud	59.2 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): CICR set@4025'. Holes@4210' &4010'. Calculated 12" O.H. Mix & pump 67sx@12.0ppg 2.41Y. 185' of coverage below retainer. 200' of annular fill. Leave 2 bbls on top of retainer. 140' of coverage above retainer. ETOC@3885'. After job customer wanted to pump 100lbs SAPP@1488' to treat hole. Pumped job per customers request. Job went great. Thank you!

Customer Representative Signature: _____ Thank You For Using NexTier Completion Solutions

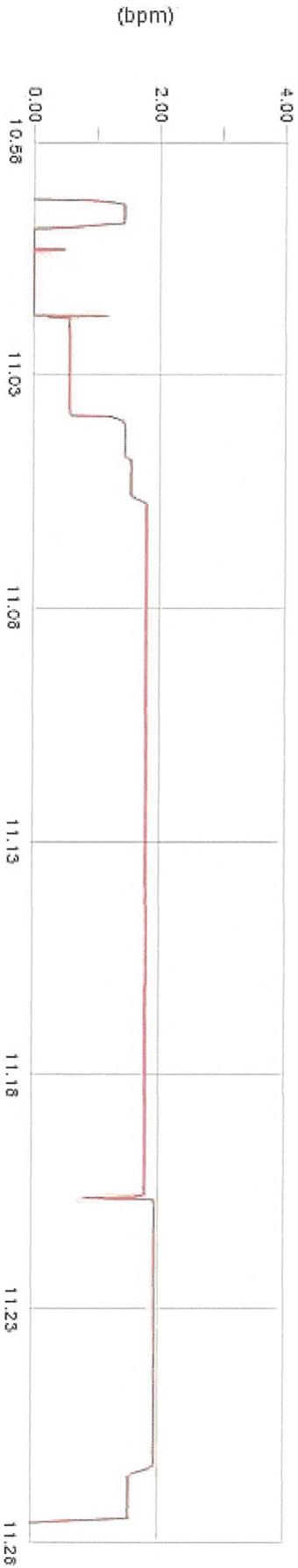


Client
Ticket No. 20060006
Location Weld
Comments 67sx@12.0ppg 2.41Y

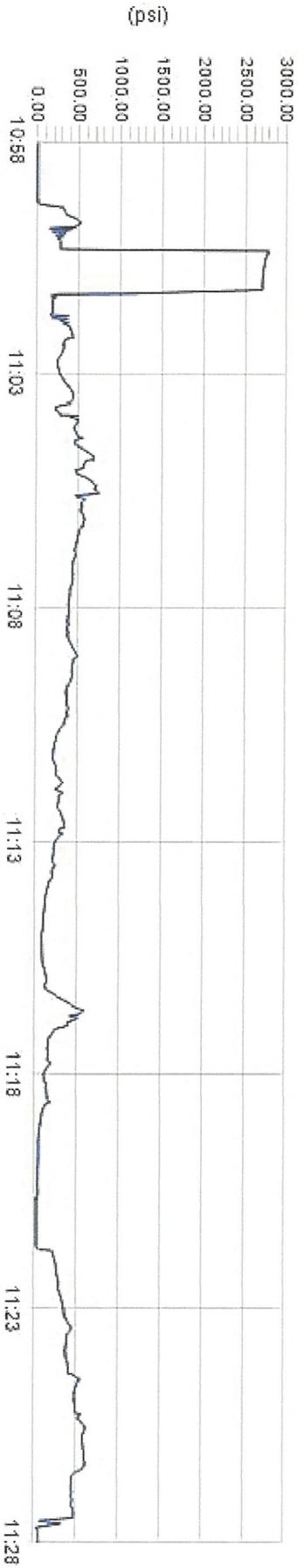
Client Rep Bud Holman
Well Name Hoff 20-1
Job Type Abandonment Plugs

Supervisor Francisco Flores
Unit No. 945063
Service District Brighton
Job Date 06/02/2020

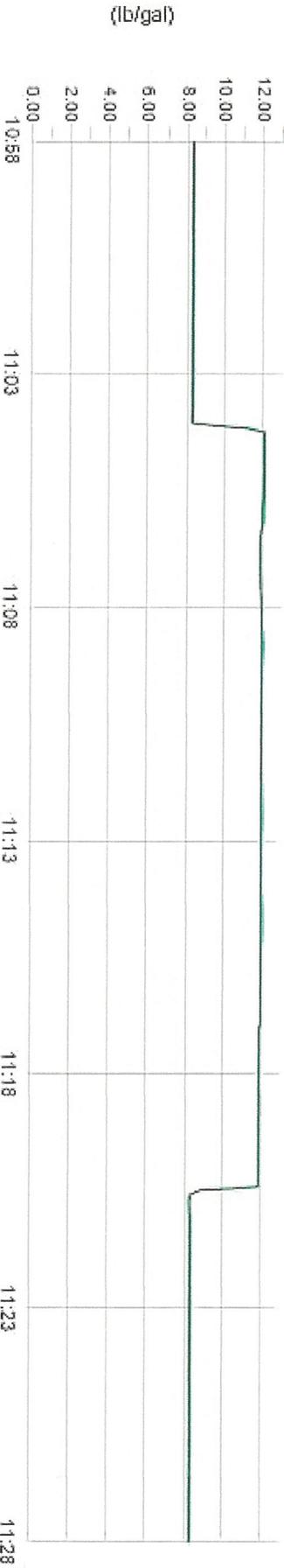
Unit 945063 Rate Total



Unit 945063 Pump Pressure



Unit 945063 Density





Job Summary

Ticket Number	Ticket Date
TN# BCO-2006-0007	6/3/2020

COUNTY	COMPANY	API Number
WELD	PDC ENERGY	512313349
WELL NAME	RIG	JOB TYPE
HOFF 20-1	Ensign 356	CM-P2A-PERM.
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.379167 -104.571389	Cody Michel	Bud Holman

EMPLOYEES		
Tony Yates		
Israel Davila		

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	14	292	620	292	620
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	10	620	1510	620	1510

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	292	0	292
Production Casing	4.5	15.1		1510	1581	1510	1581
Tubing	2.375	4.7		0	1581	0	1581

CEMENT DATA

Stage 1:	From Depth (ft):	1228	To Depth (ft):	1581
Type: Stub Plug	Volume (sacks):	88	Volume (bbls):	20.8
Cement & Additives:				
100% Type III		Density (ppg):	14.8	Yield (ft³/sk)
		Water Req.	6.32	

Stage 2:	From Depth (ft):	0	To Depth (ft):	620
Type: Surface Plug	Volume (sacks):	300	Volume (bbls):	71
Cement & Additives:				
100% Type III		Density (ppg):	14.8	Yield (ft³/sk)
		Water Req.	6.32	

Stage 3:	From Depth (ft):	0	To Depth (ft):	19
Type: Top Off	Volume (sacks):	5	Volume (bbls):	1.2
Cement & Additives:				
100% Type III		Density (ppg):	14.8	Yield (ft³/sk)
		Water Req.	6.32	

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
		Density (ppg):		Yield (ft³/sk)
		Water Req.		

SUMMARY

Preflushes:	5 bbls of Fresh Water	Calculated Displacement (bbl):	5	Stage 1	Stage 2
	5 bbls of Fresh Water	Actual Displacement (bbl):	4.7		
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	93.0	Lost Returns (Y/N):	No	(if Y, when)	
Total Fluid Pumped	107.7				
Returns to Surface:	Cement	1	bbls		

Job Notes (fluids pumped / procedures / tools / etc.): 2.375" 4.7 ppg tubing inside 4.5" 15.1 ppg and OH with casing cut at 1510' Established circulation then pumped 5 bbl of fresh water then 88 sks (20.8 bbl) of Type III cement @ 14.8 ppg and displaced 4.7 bbl of fresh water to balance to an estimated TOC of 1228'. Then waited on rig to trip to 620' and pumped 300 sks(71 bbl) of type III cement @ 14.8 ppg to surface Shut down and tripped off well.

Thank You For Using
NexTier Completion Solutions

Customer Representative Signature: _____



Client
Ticket No.
Location
Comments

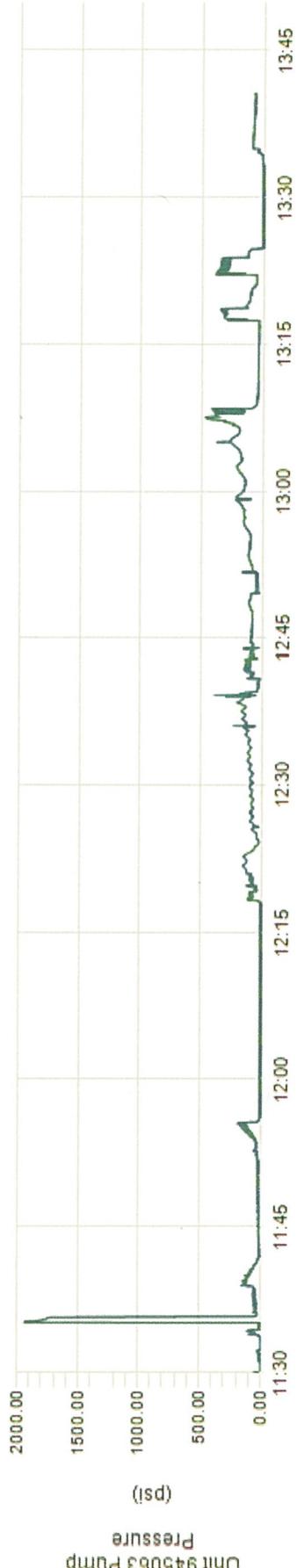
PDC Energy
BCC-2002-0007
20 5N 64W
See Job Log

Bud Holman
Hoff 20-1
Abandonment Plugs

Client Rep
Well Name
Job Type

Supervisor
Unit No.
Service District
Job Date

Cody Michel
945063
Brighton
06/03/2020





CUSTOMER P. O. NUMBER	SERVICE ORDER 2109	PAGE 1 of 1
DATE 6/1/2020		

SureFire Wireline
You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	PDC Energy, Inc		
FURNISHED	LEASE	Hoff	WELL NUMBER	20-1
LEASE/WELL	API:	05-123-13349		
INFORMATION	FIELD	Wattenberg	PARISH/COUNTY	WELD
			STATE	Colorado

THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF SUREFIRE WIRELINE WEST COLORADO LLC, IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.

IN CONSIDERATION OF THE PRICES AS SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.

WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME: PDC Energy, Inc

INVOICE MAILING ADDRESS: _____ CITY: _____ STATE: _____ ZIP CODE: _____

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: _____

X Thank you for using SureFire Wireline!! Total runs, all pages: **3**

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING

UNIT NUMBER: 802 OPERATION TYPE: DAYLIGHT WELL TYPE: WORKOVER ROUND TRIP MILEAGE: _____

TRIP: FIRST HOISTING TYPE: WORKOVER RIG

WIRELINE DEPTH: _____ MAX. WELLHEAD PRESSURE: _____ PSI BOTTOM HOLE PRESSURE: _____ PSI

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - 5K Packoff	each	1					Plug			
2	Tag@6505		P - Gauge Ring or Depth Determination	per run	1					Perf			
3			P - Radial Cement Bond Log (2000'-6000')	each	1								
4	6 Shots@4210		P - Squeeze Gun - 1st Gun	each	1								
5	6 Shots@4010		P - Squeeze Gun - 2nd gun & more	each	1								
6			P - Select Fire Sub	each	1								
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

STANDARD PRICING	TOTAL DISCOUNT	0
Runs for this job	3	
ESTIMATED TOTAL COST		

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** Bud Holman

LOGS RECEIVED AT WELL: _____

CUSTOMER: _____

WIRELINE ENGINEER: Nolan, Gregory

CASING/TUBING RECORD	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
SIZE WEIGHT TYPE FROM TO	LOG MEAS. FROM WHICH IS	ABOVE PERM DATUM D.F.	G.L.	
Casing 1	Fluid Type Fluid Weight Fluid Level	REMARKS		
Casing 2	lbs/gal feet	District doing job: Kersey, CO		
Tubing		Line of Business: Completions		
Liner	Bottom Hole Temperature Degrees F	Type of Job: Vertical P and A		
Drill Pipe		Class: Vert. Domestic		
SUREFIRE ENGINEER NAMES	WORK WITNESSED BY NAME	District job is in: Kersey, CO		
Nolan, Gregory Crew 1	Bud Holman			
SUREFIRE OPERATORS		AFE#:		
Martinez, Rick Crew 3		Engineer: Nolan, Gregory		
Redfean, Jeremiah Crew 4		MSA#:		
Crew 5				
Crew 6				



CUSTOMER P. O. NUMBER	SERVICE ORDER 2110	PAGE 1 of 1
DATE 6/2/2020		

SureFire Wireline
You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	PDC Energy, Inc		
FURNISHED	LEASE	Hoff	WELL NUMBER	20-1
LEASE/WELL	API	05-123-13349		
INFORMATION	FIELD	Wattenberg	PARISH/COUNTY	WELD
			STATE	Colorado

THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF SUREFIRE WIRELINE WEST COLORADO LLC., IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.
IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.
WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME	PDC Energy, Inc		
INVOICE MAILING ADDRESS	CITY	STATE	ZIP CODE
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE			

X	Thank you for using SureFire Wireline!!	Total runs, all pages	2
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THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY SUREFIRE WIRELINE WEST COLORADO ACCOUNTING

UNIT NUMBER	OPERATION TYPE	WELL TYPE	ROUND TRIP MILEAGE
802	DAYLIGHT	WORKOVER	
	TRIP	HOISTING TYPE	
	FIRST	WORKOVER RIG	
WIRELINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE
			PSI

DESC. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC	DISC PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			P - 5K Packoff	each	1					Plug			
2	CICR@4025		P - Plug or Retainer - setting (3rd party)	each	1					Perf			
3	Cut@1510		P - Jet Cutters (all)	each	1								
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

STANDARD PRICING	TO	TO	TOTAL DIS
Runs for this job	2		
ESTIMATED TOTAL C			

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE	LOGS RECEIVED AT WELL	CUST. INITIALS	SIGNATURE OF SUREFIRE WIRELINE ENGINEER
X Bud Holman			Nolan, Gregory

CASING/TUBING RECORD	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV K.B.
SIZE WEIGHT TYPE FROM TO	LOG MEAS. FROM WHICH IS ABOVE PERM DATUM D.F. G.L.	Fluid Type Fluid Weight lbs/gal	Fluid Level feet	REMARKS
Casing 1				District doing job: Kersey, CO
Casing 2				Line of Business: Completions
Tubing				Type of Job: Vertical P and A
Liner				Class: Vert. Domestic
Drill Pipe	Bottom Hole Temperature	Degrees F		District job is in: Kersey, CO
SUREFIRE ENGINEER NAMES	WORK WITNESSED BY NAME			AFE#:
Nolan, Gregory Crew 1	Bud Holman			Engineer: Nolan, Gregory
SUREFIRE OPERATORS				MSA#:
Martinez, Rick Crew 3				
Crew 4				
Crew 5				
Crew 6				