

CASEHOLE SOLUTIONS



Rev.042519 A	CUSTOMER P. O. NUMBER	Ticket No. (SO)	PAGE
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.		F-3954	1 of 1
TO CASEHOLE SOLUTIONS, INC. You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment:		DATE 12/12/2019	

SERVICE(S) AND/OR EQUIPMENT REQUESTED

*DS123 DB720 B0504 WELD*

CUSTOMER	COMPANY	EXTRACTION OIL & GAS LLC		
FURNISHED	LEASE	PACE	WELL NUMBER	2
LEASE/WELL	LEGAL & LOCATION	0		
INFORMATION	FIELD	WATTENBERG	PARISH/COUNTY	WELD
			STATE	CO

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 CASEHOLE SOLUTIONS, INC. 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: EXTRACTION OIL & GAS LLC

INVOICE MAILING ADDRESS: CITY STATE ZIP CODE

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

Thank you for using Casedhole Solutions!! Total runs, all pages: 4

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER: 200054 OPERATION TYPE: \_\_\_\_\_ WELL TYPE: \_\_\_\_\_ ROUND TRIP MILEAGE: \_\_\_\_\_

TRIP: \_\_\_\_\_ HOISTING TYPE: \_\_\_\_\_

DISC NO	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			B - Packoff	each	1					Plug			
			B - Set & Supply 4 1/2 CIBP	each	1					Perf			
			B - Dump Baller	per run	1								
		3500'	B - CBL - INCOMPLETE	per run	1								
		3500'	B - Gauge Ring or Depth Determination	per run	1								

4 1/2 CIBP @ 4415'

2 sx cem on CIBP

STACK OUT WITH CBL & GR @ 3500'

WELL NAME: Pace #2

AFE: 1900402

SUB CODE: 940.10

ROUTING CODE: 2600

CONSULTANT (Print): Juan Cadena

APPROVAL: [Signature]

DATE: 12/13/19

STANDARD PRICING	TOTAL OF BOOK PRICE	10K	NO. SHOTS FIRED	0	NO. SEL. SWITCHES	0	SEL. SW. FAILURE	0
Runs for this job - 4	TOTAL DISCOUNT		PRASE	0	SFF	0		
	TOTAL DISCOUNT PERCENTAGE		Was catering provided by Casedhole Solutions? <b>NO</b>					
ESTIMATED TOTAL CHARGE PAGE			<b>NO</b>					

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** Juan Cadena

LOGS RECEIVED AT WELL: \_\_\_\_\_

CUST. INITIALS: \_\_\_\_\_

SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER: [Signature] Frank, Adam Sage

SIZE	WEIGHT	CASING/TUBING RECORD	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
		Casing 1	LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F. G.L.
		Casing 2	Fluid Type	Fluid Weight	Fluid Level	REMARKS
		Tubing	lbs/gal	feet	District doing job:	Fort Lupton, CO
		Liner	Bottom Hole Temperature	Degrees F	Line of Business:	Workover
		Drill Pipe			Type of Job:	Vertical P and A
CASEHOLE ENGINEER NAMES		WORK WITNESSED BY NAME		Class: Vert. Domestic		
Frank, Adam Sage	Crew 1	Juan Cadena	District job is in:	Fort Lupton, CO		
	Crew 2		AFE#:			
	Crew 3		Engineer:	Frank, Adam Sage		
	Crew 4		MSA#:			
	Crew 5					
	Crew 6					

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O			
MATERIAL USAGE FORM										Fort Lupton, CO					13	3030	200054
1	Date:	12/12/2019	Company:	EXTRACTION OIL & GAS LLC													
2	SO#	F-3954	Lease:	PAGE 2													
3	TYPE OF MATERIAL USED										QUANTITY USED				SAP Legacy Material Number		
4	<b>SETTING TOOL EQUIPMENT: power charges and ignitors.</b>																
5	PC.10.S ---- #10 STANDARD POWER CHARGE										1			10004689	PC.10.S		
6	PC.1500.SHORTY ---- 1 1/2"-1 11/16" Shorty Power Charge													10004687	PC.1500.SHORTY		
7	PC.3625.COMPACT ---- 3 5/8 COMPACT POWER CHARGE													10004704	PC.3625.COMPACT		
8																	
9																	
10																	
11	<b>PLUGS and PATCHES:</b>										QUANTITY USED						
12	PLUG.CW.3593002 ---- 3.593 OD BRIDGE PLUG										1			10004152	PLUG.CW.3593002		
13																	
14																	
15																	
16	<b>GUNS: please list gun size, ported, slick, tag, Ultra II, or HSC, footage (quantity), spf, phasing</b>																
17	<b>Size and Type</b>	<b>SPF, Phasing, Length</b>								<b>QUANTITY USED</b>							
18	GUN.31.020.06.060 ---- 3 1/8" x 2' 6/60													CJ0076022	GUN.31.020.06.060		
19	GUN.31.030.06.060 ---- 3 1/8" x 3' 6/60													CJ0088109	GUN.31.030.06.060		
20	GUN.31.050.06.060 ---- 3 1/8" X 5' 6/60													10004751	GUN.31.050.06.060		
21	GUN.15.010.04.000 ---- 1 9/16" x 1' 4/0													10004740	GUN.15.010.04.000		
22	GUN.15.020.04.000 ---- 1-9/16" x 2' 4/0													10004741	GUN.15.020.04.000		
23																	
24																	
25																	
26																	
27																	
28	<b>CHARGES: please list charge number, HMX or RDX, type, quantity, gram</b>										QUANTITY USED						
29	CHG.O.TAG3375301 ---- 3-3/8" TAG BH RDX													10004798	CHG.O.TAG3375301		
30	CHG.O.TAG3375311L ---- 3 3/8" DP RDX 19G TAG													10004828	CHG.O.TAG3375311L		
31																	
32	<b>PRIMA CORD: list footage (quantity) and whether 80 or 40 gram, RDX or HMX</b>										QUANTITY USED						
33	DETCORD.80.PETN ---- 80 GRAIN PETN WP (DETOTEC)													10004249	DETCORD.80.PETN		
34	DETCORD.80.RDX ---- FIRELINE 17/80 RDX NYLON (500 FEET)													10004222	DETCORD.80.RDX		
35	<b>CAPS AND DETONATORS: list name cap or detonator and quantity</b>										QUANTITY USED						
36	IGNIT.GOSTYLE ---- Legacy Ignitor										1			10004635	IGNIT.GOSTYLE		
37	DETO.O.321 ---- Owen Det 321													10004220	DETO.O.321		
38	DT-0325-140S ---- Legacy Cutter Cap														DT-0325-140S		
39	<b>JET CUTTERS, SEVERING TOOLS: list size and quantity</b>										QUANTITY USED						
40	SHOCSUB.CUT0100078 ---- Shock Sub Ext.-Casing Cutter JRC													10004119	SHOCSUB.CUT0100078		
41	JETCUT.3625 ---- 3 5/8" CSG Cutter													10004082	JETCUT.3625		
42	<b>RADIAL TORCH and TORCH PERFORATORS: list size and quantity</b>										QUANTITY USED						
43																	
44																	
45	<b>CHEMICAL CUTTERS: list size and quantity</b>										QUANTITY USED						
46																	
47																	
48	<b>SELECT FIRE SWITCHES:</b>										QUANTITY USED						
49																	
50																	
51																	
52																	
53	<b>Free Form Materials (things not in the dropdowns)</b>										QUANTITY USED						
54																	
55																	
56																	
57																	
58																	
59																	

CASEHOLE SOLUTIONS



Rev.042519 A	CUSTOMER P. O. NUMBER	Ticket No. (SO) F-3955	PAGE 1 of 1
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.			DATE 12/13/2019
To CASEHOLE SOLUTIONS, INC. 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  
 DS123 DB720 80504 WJEL

CUSTOMER COMPANY	EXTRACTION OIL & GAS LLC		
FURNISHED LEASE	PACE	WELL NUMBER	2
LEASE/WELL LEGAL & LOCATION	0 WATTENBERG		
INFORMATION FIELD	SPINDLE	PARISH/COUNTY	WELD STATE CO

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 CASEHOLE SOLUTIONS, INC. 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: EXTRACTION OIL & GAS LLC

INVOICE MAILING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: \_\_\_\_\_

X Thank you for using Casedhole Solutions!! Total runs, all pages 1

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER: 200054 OPERATION TYPE: \_\_\_\_\_ WELL TYPE: \_\_\_\_\_ ROUND TRIP MILEAGE: \_\_\_\_\_

TRIP: \_\_\_\_\_ HOISTING TYPE: \_\_\_\_\_

WIRELINE DEPTH: \_\_\_\_\_ MAX. WELLHEAD PRESSURE: \_\_\_\_\_ PSI BOTTOM HOLE PRESSURE: \_\_\_\_\_ PSI

Disc NO	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN	UNIT PRICE	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.		
1			B - Packoff	each	1				Plug					
			B - Cement Bond Log TD	each	1				Perf					
	CBL (4380' - Sur.)													
										Disc. NO.	NO. GUNS	SHOTS FIRED	TYP. CHRG.	SIZE

WELL NAME: Pace #2

AFE: 1900402

SUB CODE: 940.10

ROUTING CODE: 2600

CONSULTANT (PRINT): Juan Cadena

APPROVAL: *Juan Cadena*

DATE: 12/13/19

Runs for this job - 1	STANDARD PRICING	TOTAL OF BOOK PRICE	10K	TOTAL DISCOUNT	0	TOTAL DISCOUNT PERCENTAGE	0	ESTIMATED TOTAL CHARGE PAGE 1	NO
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SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: X Juan Cadena

LOGS RECEIVED AT WELL: \_\_\_\_\_

CUST. INITIALS: \_\_\_\_\_

SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER: *Frank Adam Sage* Frank, Adam Sage

SIZE	WEIGHT	TYPE	FROM	TO	PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
		Casing 1						
		Casing 2						
		Tubing						
		Liner						
		Drill Pipe						

CASEHOLE ENGINEER NAMES	WORK WITNESSED BY NAME	Class:	Vert. Domestic
Frank, Adam Sage	Juan Cadena	District job is in:	Fort Lupton, CO
Crew 1		AFE#:	
Crew 2		Engineer:	Frank, Adam Sage
Crew 3		MSA#:	
Crew 4			
Crew 5			
Crew 6			

CASEHOLE SOLUTIONS



Rev.042519 A	CUSTOMER P. O. NUMBER	Ticket No. (SO) F-3956	PAGE 1 of 1
* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.			DATE 12/14/2019
to CASEHOLE SOLUTIONS, INC. 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  
 05123 08720 80504 WELD

CUSTOMER FURNISHED LEASE/WELL INFORMATION	COMPANY	EXTRACTION OIL & GAS LLC		
	LEASE	PACE	WELL NUMBER	2
	LEGAL & LOCATION	0		
	FIELD	WATTENBERG	PARISH/COUNTY	WELD
		STATE	CO	

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 CASEHOLE SOLUTIONS, INC. 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: EXTRACTION OIL & GAS LLC

INVOICE MAILING ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

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

Thank you for using Casedhole Solutions!! Total runs, all pages: 3

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER: 200054	OPERATION TYPE: _____	WELL TYPE: _____	ROUND TRIP MILEAGE: _____
TRIP: _____	HOISTING TYPE: _____		
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			B - Packoff	each						Plug			
			B - Squeeze Gun - 1st Gun	each						Perf			
			B - Squeeze Gun - 2nd gun & more	each									
			B - Scallop Gun Barrels	foot									
			B - Jet Cutters (all)	each									
			Squz Guns:										
	6 Holes @ 3200'												
	6 Holes @ 3000'												
	Jet Cut @ 450'												

WELL NAME: Pace #2

AFE: 190040a

SUB CODE: 940.10

ROUTING CODE: 2600

CONSULTANT (Print): Juan Cadena

APPROVAL: [Signature]

DATE: 12/14/19

STANDARD PRICING	NO. DESC	NO. SHOTS FIRED	NO. SEL. SWITCHES	SEL. SW. FAILURE
Runs for this job - 3	1	0	0	0
TOTAL OF BOOK PRICE	10K	0	0	0
TOTAL DISCOUNT				
TOTAL DISCOUNT PERCENTAGE				
ESTIMATED TOTAL CHARGE PAGE 1				NO

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **X** Juan Cadena

LOGS RECEIVED AT WELL: \_\_\_\_\_

CUST. INITIALS: \_\_\_\_\_

SIGNATURE OF CASEHOLE SOLUTIONS ENGINEER: [Signature] Frank, Adam Sage

PERM. DEPTH DATUM	GROUND LEVEL	ELEV.	ELEV. K.B.
LOG MEAS. FROM	WHICH IS	ABOVE PERM DATUM	D.F. G.L.
Fluid Type	Fluid Weight	Fluid Level	REMARKS
	lbs/gal	feet	District doing job: Fort Lupton, CO
Bottom Hole Temperature	Degrees F	Type of Job:	Workover
		Class:	Vertical P and A
CASEHOLE ENGINEER NAMES	WORK WITNESSED BY NAME	District job is in:	Fort Lupton, CO
Frank, Adam Sage	Juan Cadena	AFE#:	
Crew 1		Engineer:	Frank, Adam Sage
Crew 2		MSA#:	
Crew 3			
Crew 4			
Crew 5			
Crew 6			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O			
MATERIAL USAGE FORM										Fort Lupton, CO					13	3030	200054
Date:		12/14/2019		Company:		EXTRACTION OIL & GAS LLC											
SO#		F-3956		Lease:		PAGE 2											
TYPE OF MATERIAL USED										QUANTITY USED		SAP Legacy Material Number					
<b>SETTING TOOL EQUIPMENT: power charges and ignitors.</b>																	
PC.10.S ---- #10 STANDARD POWER CHARGE												10004689		PC.10.S			
PC.1500.SHORTY ---- 1 1/2"-1 11/16" Shorty Power Charge												10004687		PC.1500.SHORTY			
PC.3625.COMPACT ---- 3 5/8 COMPACT POWER CHARGE												10004704		PC.3625.COMPACT			
<b>PLUGS and PATCHES:</b>																	
PLUG.CW.3593002 ---- 3.593 OD BRIDGE PLUG												10004152		PLUG.CW.3593002			
<b>GUNS: please list gun size, ported, slick, tag, Ultra II, or HSC, footage (quantity), spf, phasing</b>																	
Size and Type					SPF, Phasing, Length					QUANTITY USED							
GUN.31.020.06.060 ---- 3 1/8" x 2' 6/60										2		C.J0076022		GUN.31.020.06.060			
GUN.31.030.06.060 ---- 3 1/8" x 3' 6/60												C.J0088109		GUN.31.030.06.060			
GUN.31.050.06.060 ---- 3 1/8" X 5' 6/60												10004751		GUN.31.050.06.060			
GUN.15.010.04.000 ---- 1 9/16" x 1' 4/0												10004740		GUN.15.010.04.000			
GUN.15.020.04.000 ---- 1-9/16" x 2' 4/0												10004741		GUN.15.020.04.000			
<b>CHARGES: please list charge number, HMX or RDX, type, quantity, gram</b>																	
CHG.O.TAG3375301 ---- 3-3/8" TAG BH RDX										12		10004798		CHG.O.TAG3375301			
CHG.O.TAG3375311L ---- 3 3/8" DP RDX 19G TAG												10004828		CHG.O.TAG3375311L			
<b>PRIMA CORD: list footage (quantity) and whether 80 or 40 gram, RDX or HMX</b>																	
DETCORD.80.PETN ---- 80 GRAIN PETN WP (DETOTEC)										5		10004249		DETCORD.80.PETN			
DETCORD.80.RDX ---- FIRELINE 17/80 RDX NYLON (500 FEET)												10004222		DETCORD.80.RDX			
<b>CAPS AND DETONATORS: list name cap or detonator and quantity</b>																	
IGNIT.GOSTYLE ---- Legacy Ignitor										2		10004635		IGNIT.GOSTYLE			
DETO.O.321 ---- Owen Det 321										1		10004220		DETO.O.321			
DT-0325-140S ---- Legacy Cutter Cap														DT-0325-140S			
<b>JET CUTTERS, SEVERING TOOLS: list size and quantity</b>																	
SHOCSUB.CUT0100078 ---- Shock Sub Ext.-Casing Cutter JRC										1		10004119		SHOCSUB.CUT0100078			
JETCUT.3500 ---- 3 1/2 CSG Cutter										1		10004121		JETCUT.3500			
<b>RADIAL TORCH and TORCH PERFORATORS: list size and quantity</b>																	
<b>CHEMICAL CUTTERS: list size and quantity</b>																	
<b>SELECT FIRE SWITCHES:</b>																	
<b>Free Form Materials (things not in the dropdowns)</b>																	

