

PetroPro Engineering Inc.
Monaghan A-1
NENE Sec.24 T2S R66W
Procedure to Plug and Abandon

1. 5 days before MIRU, Notify FAA at DIA regarding rig per 7460 requirement. File COGCC form 42, notice of operations.
2. MIRU. NDWH, NU BOP. TOOH & Stand back 40 stands. LD rest of tbg on float.
3. PU perf gun, RIH & perf 2 sqz holes @ 2,430' and 2 sqz holes @ 2,365'. RD WL. (leak between 2,394- 2,425')
4. PU cement retainer, Tally and TIH and set ret @ +/- 2,405'. RU Schlumberger, pump 100 sx thru retainer, sting out of retainer and pump 10 sx on top of retainer. PU 12 stands and circ clean. RD Schlumberger. TOOH, stand back 29 stands, LD rest of tubing on float.
5. PU perf gun, RIH & perf 2 sqz holes @ 1,820'. RD WL
6. PU cement retainer, Tally and TIH and set ret @ +/- 1,780'. RU Schlumberger, pump 350 sx thru retainer, sting out of retainer and pump 10 sx on top of retainer. PU 12 stands into derrick, then circ clean. RD Schlumberger. TOOH, LD rest of tubing on float.
7. TIH to 700' and set 15 sx balanced plug, 700 – 600'. PU to 400' and circulate clean.
8. LD 3 jts, to +300', pump 30 SX to surface.
9. ND BOP, cut of wellhead 4' below ground level. Weld on plate. RDMO. Pull anchors.
10. Blow out flowline and clean up any contaminated soil.

City and County of Denver

Date: 10/30/2015
 Prepared by: JMB
 Well Name: Monaghan A-1
 Field: Third Creek
 Legal: NENE Sec. 24 T2S R66W

Geological tops

Niobrara 7,474'
 D Sand 8,215'
 J Sand 8,266'

County: Denver
 State: Colorado
 GL: 5,244'
 KB: 5,252'
 API: 05-031-06449

Spud date: 2/25/1972
 Completion date: 4/10/1972
 Producing zone: J Sand

Hole Size: 12 1/4"
 Surface Casing: 8 5/8" 24#
 Cement Volume: 150 sx

Surface Casing Shoe: 202'

DV Not Present per CBL
 cmt retainer 1,780'

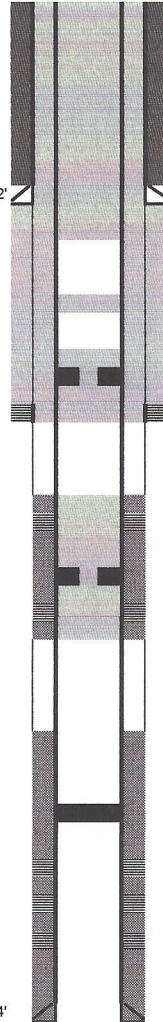
cmt retainer 2,405'

Production Casing: 5 1/2 17#

Perforations

J Sand 8,285' - 8,318'
 2SPF

Csg pt TD: 8,394'
 8,396'



30 sx plug from surface to 300'

15 sx balanced plug 600 - 700'

set ret @ 1,780', pump 350 sx thru retainer and 15 sx on top to surface

Perf 1,820' 2SPF

Leak btwn 2,394 - 2,425', could not pump into Perf 2 shots @ 2,430' and 2 shots @ 2,365', pump 100 sx thru ret @ 2,405' pump 10 sx on top of retainer

TOC 7,880' per CBL

CIBP 8,165' w/ 2 sx See STS and KLX field tickets

Cement 150 sx

Hole Size 7 7/8 "

PBTD 8,350'

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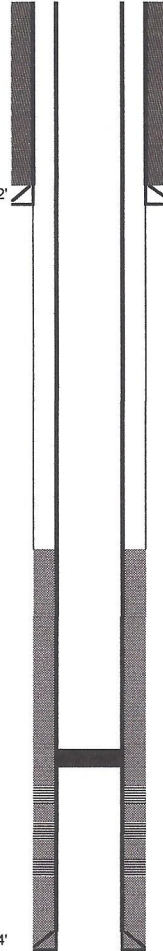
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PBTD 8,350'



Field Ticket # **NO 15591**

Date 10/28/2015

Sater Tools and Services LLC, 2424 6th Ave Greeley CO 80631 Phone 970-356-4644 Fax 970-356-0185

Bill To Customer:		City and County of Denver		PO#	Lease Name:		County:	Well St:	Monaghan	Well #:	A-1
Address:		14981 Clinton st.			County:		Weld	St:	CO	Invoice Ref. #:	
City:		Brighton		Field:	Job Type:						
State:		CO	Zip:	80602	Legal Description:						
Ordered By:		Julie		Gum Club RD+96th Ave S. 2 W Into		Casing Sz & Wt:		5 1/2		Matco 102	
				Service Man:		Israel Villa Ortega		Petro Pro Engineering			
NO.	RENTALS/SALES	QTY	PRICE	DSC	TOTAL						
1	Sale of Cast Iron Bridge Plug Set w/256 JTS @ 8165.72'	1	1,670.00		\$1,670.00						
2	Rental of Mechanical Setting Tool	1	550.00		550.00						
3	Rental of 5 1/2 32-A Packer	1	2,545.00		2,545.00						
4					0.00						
5					0.00						
6					0.00						
7					0.00						
8					0.00						
9					0.00						
10					0.00						
11	Cast Iron Bridge Plug Set @ 8165.72'				0.00						
12					0.00						
13	Isolation of Casing Leak 2394' to 2425'				0.00						
14					0.00						
		Subtotal Taxable Charges			\$4,765.00						
SERVICE MANS TIME					\$0.00						
					0.00						
					0.00						
					0.00						
		Subtotal Non-Taxable Charges			\$0.00						
MILEAGE					\$295.00						
Mileage		100			\$2.95						
					0.00						
					0.00						
		Subtotal Non-Taxable Charges			\$295.00						
					\$5,060.00						
		Total Service & Material:			\$138.19						
		Tax:			\$5,198.19						
		TOTAL CHARGES:									

Terms: Net 30 Days

Authorized Agent: _____

Date: _____

FIELD
TICKET

10334

CUSTOMER

City & County of Denver

ACCOUNT #

MATCO WELL SERVICE

MAIL INVOICE TO

CITY

STATE

ZIP

JOB COMPLETION DATE

10-29-15

DISTRICT

Rock Mountain

ENGINEER

Cody Rall

HOIST # / CRANE #

Nine line 40

WELL NAME & NUMBER

MONAGHAN A-1

CUSTOMER REP (PRINT)

Julie Bronting / Bill Wilson

FIELD

Third Creek

CUSTOMER REP PHONE #

Marty Matchett

COUNTY

Denver

STATE

60

AFE/ PURCHASE ORDER NO

SEE BACKSIDE

SEE BACKSIDE FOR GENERAL TERMS AND CONDITIONS

District Manager

BY SIGNING THIS RECEIPT, THE CUSTOMER ACCEPTS ALL TERMS AND CONDITIONS OF SALES INCLUDING THOSE ON BACK SIDE AND THOSE PROVIDED WITH PRICE LIST.

Customer Representative