



15581 Hwy 14 • P.O. Box 447 • Sterling, CO 80751
970-526-1084
12610 WCR 251/2 • Fort Lupton, CO 80621
970-785-0158

FIELD TICKET #

0070

DATE

11-2-06

TRUCK #

2

SERVICE

per

Noble

70 RANCH

41-9

CUSTOMER

LEASE

WELL#

Weld

Colo

ADDRESS

COUNTY

STATE

CITY

LEGAL DESCRIPTION

SECTION

TOWNSHIP

RANGE

STATE

ZIP

ORDERED BY

TRUCK OPERATOR

WITNESSED BY

FOOTAGE SERVICED	SERVICE PERFORMED	UNIT PRICE	TOTAL
7000'	FURNISH AND SET 4 1/2" casing c.c.p. (BAKER 10K)		\$1400 ⁰⁰
7000'	DUMP BAIL Cement on c.c.p.		\$500 ⁰⁰
5720-6730	Perf with 3 1/8" slick gun 4 spf 60° phasing (40 shots)		
	10 shots at:		\$1300 ⁰⁰
	30 shots at:	\$23 ⁰⁰ /ACT	\$690 ⁰⁰
	23 gram		
	42" entry hole		
	20.45" penetration		
	Frank		
	TOTAL CHARGES		\$3890 ⁰⁰

I CERTIFY THAT THE ABOVE MATERIALS OR SERVICES HAVE BEEN RECEIVED,
THAT THE BASIS FOR CHARGES IS CORRECTLY STATED, AND THAT I AM AUTHORIZED
TO SIGN THIS MEMORANDUM AS THE AGENT OF OWNER OR THE CONTRACTOR.

AGENT OF OWNER
OR CONTRACTOR

Bill Smith

CHARGES ARE SUBJECT TO
CORRECTIONS BY OUR INVOICING
DEPARTMENT IN ACCORDANCE WITH
LATEST PRICE SCHEDULES AND THE
ADDITION OF APPLICABLE STATE AND
LOCAL SALES/USE TAX IF NOT LISTED
ABOVE

Right P 2
S/S
JMC
WHITE - ACCOUNTING
OLD - CUSTOMER
ANALY - INVOICE
INK - FIELD

Well Name: 70 RANCH 41-09

API 05-123-23998	Surface Legal Location	License # 20062242	Regulatory Field WATTENBERG	State/Province COLORADO
Well Configuration Type VERTICAL	Original KB Elevation (ft) 4,742.00	KB - GL / MSL (ftKB) 14.00	KB-Casing Flange Distance (ft)	KB-Tubing Head Distance (ft)
API 05-123-23998	County/Parish WELD	Spud Date 8/20/2006	TD Date 8/23/2006	
Ground Elevation (ft) 4,728.00	Original KB Elevation (ft) 4,742.00	Surf Loc	User Text 2	User Text 3
		User Text 4	Basin Code	
North/South Distance (ft) 660.0	North/South Reference FNL	East/West Distance (ft) 659.0	East/West Reference FEL	
Latitude (°) 40.419367	Longitude (°) -104.434884			
Regulatory Field WATTENBERG	Field Code 90750			
Lease Code				
Total Depth (ftKB) 7,366.0	Total Depth All (TVD) (ftKB)			

Logs

Date	Type	Top (ftKB)	Btm (ftKB)
8/24/2006	COMPENSATED DENSITY	2,600.0	7,342.0
8/24/2006	INDUCTION	14.0	7,362.0
9/8/2006	CEMENT BOND	1,700.0	7,324.0

Casing Strings

Csg Des	OD (in)	Run Date	Top (ftKB)	Set Depth (ftKB)
Surface	8 5/8	8/21/2006	14.0	460.0
Production	4 1/2	8/24/2006	14.0	7,353.0

Cement Fluids

Des	Fluid	Start Date	Amount (sacks)	Top (ftKB)	Btm (ftKB)
SURFACE CASING CEMENT	Lead	8/21/2006	100	14.0	460.0
SURFACE CASING CEMENT	Tail	8/21/2006	100	14.0	460.0
PRODUCTION CASING CEMENT	Lead	8/24/2006	230	5,894.0	7,353.0
PRODUCTION CASING CEMENT	Tail	8/24/2006	600	1,840.0	4,674.0
Dump Bail	Lead	11/2/2006	2	7,050.0	7,100.0

Wellbores

Bottom Hole Legal Location	North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line
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Plug Back Total Depths

Date	Depth (ftKB)	Type
8/24/2006	7,336.0	GUIDE SHOE

Wellbore Sections

Size (in)	Section Des	Act Top (ftKB)	Act Btm (ftKB)
12 1/4	SURFACE	14.0	471.0
7 7/8	PRODUCTION	471.0	7,366.0

Formations

Formation Name	Final Top MD (ftKB)	Final Btm MD (ftKB)
FOX HILLS BASE EST		
CODELL	6,719.0	
NIOBRARA	6,432.0	
J SAND	7,171.0	
PIERRE	2,692.0	
PARKMAN	3,484.0	
SUSSEX	4,227.0	
SHANNON	4,819.0	
TEEPEE BUTTES	5,676.0	
NIOBRARA A	6,447.0	
NIOBRARA B	6,529.0	
NIOBRARA C	6,606.0	
FORT HAYS	6,695.0	
GREENHORN	6,793.0	
D SAND	7,110.0	
MOWRY	7,159.0	
J-3 SAND	7,201.0	