O'KEEFE DRILLING

MINING

CLIENT Entro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 11-28-16

S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-																			1½
DRILL FOOTAGE																			9
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			2

Finish digging rat hole
Set 40' 6"
Casing seal for setup

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CASE16-0	90	0	240	240

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	5 3/4 Tricone = AB01886
Casing	2 (6620) = 40
~~Bentonite~~	25 (50lb) Casing seal
Cement	
Foam	
Polymer	1 (5 gal E-mud)
Other	Fuel 92.9 gals

Greenfield Helena, Butte Montana

Type RC

Driller Hugo Deha Mora

Helpers RJ - Fan

Aux. Equ. Hours / Days

Client Approval

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 11-29-16

S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			13/4
DRILL 4:45 FOOTAGE																			12/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Lil cover on 4" water

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNSE16-03	90	240	500	260

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 2162 gals

Greenfield Printing, Hale Media

Type RC

Driller Hugo B De La Mora

Helpers [redacted] - Frank

Aux. Equ. Hours / Days

Client Approval

O'KEEFE DRILLING

MINING

CLIENT Intro Resources

ENGINEER Scott Price

PROJECT clayton wp

DATE 11-30-16

S M T (W) T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-45																			13/4
DRILL FOOTAGE																			10/2
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER 4:45																			

Shorter problems

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CN2016-03	90	500	740	240

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 360 gals

Type RC

Driller Hugo Weba Mora

Helpers RJ - Evan

Aux. Equ.

Hours / Days

Client Approval

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-1-16

S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			4 3/4
DRILL FOOTAGE																			8 3/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER 4:45																			

Frozen Pump Valve cable

EOS- Drive silver peak to camp

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE16-03	90	240	500	260

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 214 gal

Type RC Aux. Equ. Hours / Days

Driller Hugo B De La Mana Client Approval

Helpers RT - Fran

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayto NE DATE 12-6-16 M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4:45																			11½
DRILL FOOTAGE																			11½
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B. 4:45																			3¼
OTHER																			

clean sump + back-hoe 4:45-5:30

Cooled / helping

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	900	1060	160

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel - 301.6 gals

Greenfield Printers, Inc. Montana

Type RC Aux. Equ. Hours / Days

Driller Hugo B Dela Mora Client Approval

Helpers RT - Fray

Jan 05 17 12:20p Logs 19723421514 p.1

O'KEEFE DRILLING

MINING

CLIENT Tatro ReSources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-7-16

S M T (W) T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			1½
DRILL FOOTAGE 4/45																			12½
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Back-hoe work dig Sump. 3rd

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1060	1240	180

Rig # 147

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#
Casing
Bentonite
Cement
Foam
Polymer
Other Fuel - 206.7 gals
Booster 12.00-5.00 (5 hr)

Type RC Aux. Equ. Hours / Days

Driller Hugo DeLa Mora Client Approval

Helpers RJ - Fran

Jan 05 17 12:20p Logs 19723421514 p.2

O'KEEFE DRILLING MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-8-16 S M T W (T) F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4:15																			1½
DRILL FOOTAGE																			12
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

4-4:15 unit 333 Dead battery

2nd samp.

Back-hoe work, finish dipping

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1240	1400	80

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#
Casing
Bentonite
Cement
Foam
Polymer
Other Fuel = 572.5

Booster - 6am - 5pm (12hr)

Type RC Aux. Equ. Hours / Days

Driller Hugo De la Mora Client Approval

Helpers RJ - Fran

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-9-16

S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45-																			11½
DRILL FOOTAGE 4:45																			11¼
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.U.																			
OTHER																			

tear down 4" plumping from
line to threaded plumping
high and rewold brackets.

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1400	1480	80

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 390.6 gals Booster - 11¼ hr

Type RC Aux. Equ. Hours / Days

Driller Hugo Dela Mora Client Approval

Helpers RJ - Fran

Greenfield Printers, Butte Montana

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton DATE 12-10-16 S M T W T F (S)

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			11
DRILLING 4:45 FOOTAGE																			13
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1480	1560	80

Rig # 142

MATERIALS USED

	Left in the Hole Quantity (Ft / Joints / Bags / Gal)
Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 360. gals Booster (13hrs)

Greenfield Printers, Butte Montana

Type RC Aux. Equ. Hours / Days

Driller Hugo Deha Mora Client Approval Scott Price

Helpers RJ - Fran

Jan 05 17 12:21p Logs 19723421514 p.5

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-11-16

(S) M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4:45																			1½
DRILL FOOTAGE 4:45-																			13¼
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1560	1720	160

Rig #

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	fuel = 371 gals Booster (13 hrs)

Type RC Aux. Equ. Hours / Days

Driller Hugo Deba Mora Client Approval

Helpers RJ - Fran.

Jan 05 17 12:21p Logs 19723421514 p.6

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE ~~12-12-16~~ 12-12-16 S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			11
DRILL FOOTAGE 4:45																			11 3/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Tripped, change tricone bits
Start tripping back in, stop at (580')
depleted, problems w/ loading arm
Rig back w/ head line to pump and losing prime.

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNR3-16	90	1720	1760	40'

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN# 5 5/8 tricone = OEO-387
Casing
Bentonite
Cement
Foam
Polymer
Other Fuel = 362.2 gal
Booster (6 1/4 hrs)

Greenfield Printers, Butte Montana

Type R.E Aux. Equ. Hours / Days

Driller Hugo DeLa Mora Client Approval

Helpers RJ - Fran

Jan 05 17 12:21p Logs 19723421514 p.7

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NC DATE 12-13-16

S M (T) W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 3																			1 1/4
DRILL FOOTAGE																			33 1/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Tripping in hard clean hole stopped @ 1700'

ran to pan pick up more drill steel. (500')

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90	1760	Tripping In	

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	

Greenfield Printers, Hope Mills

Type RC Aux. Equ. Hours / Days

Driller Hugo Wela Mora Client Approval Scott Price

Helpers RJ / Fran

Jan 05 17 12:21p Logs 19723421514 p.8

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-14-16

S M T (W) T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4:45																			11½
DRILL FOOTAGE 4:45																			10¼
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Tear 4" plumming apart to change 4" valve.

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNE3-16	90°	1760	1877	117

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#
Casing
Bentonite
Cement
Foam
Polymer
Other Fuel = 384.6
Booster (10¼ hrs)
Backhoe - 4PM - 5:30PM

Type RC Aux. Equ. Hours / Days

Driller Hugo DeLa Mora Client Approval

Helpers RJ - Fran

Greenfield Printers, Butte Montana

Jan 05 17 12:22p Logs 19723421514 p.9

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER S Price

PROJECT Clayton NE DATE 12-15-16

S M T W (T) F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4-4:45																			11 2
DRILL FOOTAGE 4:45																			12 4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Top 4" Pulled, bracket broke

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
CNES-16	90°	1877	1940	

Rig # 142

MATERIALS USED

	Left In the Hole Quantity (Ft / Joints / Bags / Gal)
Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	Fuel = 337.5 gals

Booster (12 1/4 hrs)

Back-hoe - 7Am - 1230 (5 1/4 hrs)

Greenfield Printers, Butte, Montana

Type RC Aux. Equ. Hours / Days

Driller Hugo B DeLaMora Client Approval

Helpers RJ - Fran

Jan 05 17 12:22p Logs 19723421514 p.10

O'KEEFE DRILLING

MINING

CLIENT Intra Resources

ENGINEER Scott Price

PROJECT Clayton NE

DATE 12-16-16

S M T W T (F) S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING																			1 3/4
DRILL FOOTAGE 4-4145 2-2145																			1 3/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Plugged Trip out, clean out
Plug trip in.

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
EWE3-16	50	1940	plugged	Trip

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	Dard grade - 35 bags
Cement	
Foam	
Polymer	
Other	Fuel 391.9 gals Booster (4 hrs)

Greenfield Printers, Butte Montana

Type RC

Aux. Equ.

Hours / Days

Driller Hugo Dela Rosa

Client Approval

Helpers RJ / Evan

Jan 05 17 12:23p Logs 19723421514 p.12

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-17-16 S M T W T F (S)

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING 4:45																			1½
DRILL FOOTAGE 4:45																			9¼
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Tripping To

Booster problems.

Tripping out end mud

Issues

Mixer problems, sand pump

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total
LNE3-16	90°	1940	TD	
		Mud/Trip		

Rig # 142

MATERIALS USED

Left in the Hole
Quantity (Ft / Joints / Bags / Gal)

Bits SN#	
Casing	
Bentonite	Boregrout - 144 bags
Cement	
Foam	
Polymer	
Other	Fuel - 185.5 gals

Type RC Aux. Equ. Hours / Days

Driller Hugo Dela Mora Client Approval Scott Price

Helpers RJ / Fran

Jan 05 17 12:22p Logs 19723421514 p.11

O'KEEFE DRILLING

MINING

CLIENT Intro Resources ENGINEER Scott Pace

PROJECT Clayton NE DATE 12-17-16 S M T W T F (S)

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING																			1 1/2
DRILL FOOTAGE																			3 1/4
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Fill in sump and burn other sumps. 9:30 - 12:00

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total

Rig # 14,2

MATERIALS USED

	Left in the Hole Quantity (Ft / Joints / Bags / Gal)
Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	

Greenfield Printers Butte Montana

Type RC Aux. Equ. Hours / Days

Driller Hugo Velez Mora Client Approval

Helpers Rj - Fran

O'KEEFE DRILLING

MINING

CLIENT Talon Resources ENGINEER Scott Price

PROJECT Clayton NE DATE 12-18-16

S M T W T F S

SHIFT REPORT

	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	TOTAL
OFF DUTY																			
DRIVING																			
DRILL FOOTAGE																			
WELL CONST																			
SET CASING																			
MOVE & SET UP																			
HAUL WATER																			
S.B.																			
OTHER																			

Work on Rig & Break-hce

DRILLING SUMMARY

Hole #	Angle, Vert Cased or O-dex	From	To	Total

Rig # 142

MATERIALS USED

	Left in the Hole Quantity (Ft / Joints / Bags / Gal)
Bits SN#	
Casing	
Bentonite	
Cement	
Foam	
Polymer	
Other	

Greenfield Printers, Butte Montana

Type RC

Driller Wayne Usher Mara

Helpers RJ. Scott

Aux. Equ. _____ Hours / Days _____

Client Approval _____

Jan 05 17 12:24p Logs 19723421514 p.14