

FOUNDATION ENERGY MANAGEMENT, LLC  
DAILY WORKOVER REPORT

[illegible]

Emissions information (per Day):				
Rig engine	Model	Internal/ External (Check box)	HP	Hours operated
	0	Click to choose:	0	
Flowback				

Other Equipment (Check if used - Input hours operated):		
Other Equipment	Checkbox	Hours operated
Dehy	Click to choose:	
Boiler	Click to choose:	
Heater	Click to choose:	
Compressor	Click to choose:	
Generator	Click to choose:	
Pump	Click to choose:	

## DAILY WORKOVER REPORT

Time Log		Hrs	
From	To		
0700	0800	1	Crew arrived. RIH to 1,701' with "notched" collar. Stack out. Use power tongs to rotate. No progress made.
0800	0900	1	POOH with 1,701' and lay down on float. Tubing plugged off with mud. Assumption is that open hole caved in at 1,701'.
0900	1030	1.5	RIH and lay down 1,701' at a time. Until 1,701' of tubing left in hole to prepare for cementing. Bison Cement on location at 1030
1030	1130	1	RIH with second set of 1,701'. Stack out at 1,630'. POOH and lay down 1,630'.
1130	1400	2.5	RIH and tally in. Stacked out higher at 1,342'. Got COGCC approval to start plugging from 1,342'
1400	1500	1	MIRU Bison cement. Set up displacement lines. Set up cement lines. Set up was out lines.
1500	1600	1	Pump <b>first balance plug at 1,342' - 1,192' (60 sx)</b> WOC 30 minutes. Tag at 1,198'
1600	1630	0.5	POOH to 910'. Pump <b>second balance plug at 910' - 760' (60 sx)</b>
1630	1700	0.5	POOH to 600'. Begin to pump third balance plug. Operator realizes we are off count by 2 joints. Lower tubing, keep cementing
1700	1730	0.5	Look for returns in flowback tank. No returns spotted. Bison cement shuts down after <b>180 sx extra</b> were pumped.
1730	1800	0.5	<b>Third plug confirmed from 600' to surface.</b>
1800	1900	1	RDMO Bison cement. Begin clean up, and ND BOP
1900	2130	2.5	Clean up location, begin RDMO Key. SDFN

			ITP	ICP	IFL	Flowing/Shut-In (?)	FTP	FCP	FFL	Flowing/Shut-In (?)
<b>TOTAL HOURS:</b>	14.5									

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**Champlin #2-31**  
**COST SUMMARY**

COST SUMMARY			Day 1	Day 2	Day 3	Day 4	
	Completion Costs	Cumulative	Date	8/5/13	8/6/13	8/7/13	8/8/13
101	Roads, Loc. Maint., Snow Remove, Etc.	\$0					
102	Completion Rig	\$15,583		\$4,561	\$5,254	\$4,710	\$1,058
103	Pump, tank, power swivel	\$0					
104	Slick Line	\$5,269		\$3,302	\$1,967		
105	Cased Hole Logs & Perforating	\$0					
106	Surface Rentals (Wellhead, BOP, etc)	\$0					
107	Downhole Rentals (Packers, BP, Bailers, fish tools, etc)	\$3,000		\$1,000	\$1,000	\$1,000	
108	Rental Tubular Inspection & Repair	\$0					
109	Trucking & Hauling	\$2,000		\$1,000	\$1,000		
110	Vac Truck/Water Hauling	\$1,692		\$692		\$1,000	
111	Toilets, Trash, Light Tower, Etc.	\$0					
112	Supplies & Miscellaneous	\$0					
113	KCL, Mud & Chemicals	\$0					
114	Cementing Services	\$16,680				\$16,680	
115	Casing Crew & Tongs	\$0					
116	Bits, floats, pump off subs, etc.	\$0					
117	Tubing Testing (Hydro-test, etc.)	\$0					
118	Wellsite Supervision	\$0					
119	Meals, Travel, Communication, Accommodations	\$0					
120	Engineering	\$0					
121	Frac & Flowback Tanks	\$0					
122	Foam Unit	\$0					
123	Other Contract Svcs (Anchors, etc)	\$0					
124	Labor & Installation	\$0					
125	Well Testing (Flowback, Etc.)	\$0					
126	Stimulation	\$0					
	Tangible Completion Costs	Cumulative					
127	Production Casing	\$0					
128	Liner	\$0					
129	Tubing	\$0					
130	Tubinghead	\$0					
131	Wellhead Equipment	\$0					
132	Sinker Bars	\$0					
133	Artificial Lift	\$0					
134	Tank Battery	\$0					
135	Downhole Pump	\$0					
136	Sucker Rods	\$0					
137	Gauges / Meters	\$0					
138	Flowlines	\$0					
139	Pump Units	\$0					
140	Surface Equipment	\$0					
141	Misc/Contingency	\$0					
Well Total:		\$44,224		\$10,555	\$9,221	\$23,390	\$1,058
		Cumulative:		\$10,555	\$19,776	\$43,166	\$44,224

**Foundation Energy Management, LLC**  
**WELLBORE DIAGRAM**

Well / Battery	Prospect Name		Total Depth	Current Status
Champlin 2-31	Paladin		7,860'	SI
Location	Sec-Twn-Rng		Producing Horizon	County & State
NW NE	31-2S-63W		JSND	Adams, CO

## WELLBORE DIAGRAM

**Prepared Date:** 06/12/2013  
**Prepared By:** Eric Sappington

### General Info

API #: 05-001-07664

KB Elevation: 5,314'

GL Elevation: 5,305'

Spud Date: 11-05-1980

Completion Date: 12-12-1980

TVD: 7,860'

MD: 7,860'

Last PBTD: 7,842' (Unknown)

### Tubing Detail

2-3/8" inch(OD)

4.7 # (weight)

J-55 grade

### Tubing Tally

	<u>Length</u>	<u>Depth</u>
245 jts 2-3/8" tbg	7595	7595
4-1/2" x 2-3/8" TAC	3	7598
SN	1	7599
1 jt 2-3/8" MA	20	7619
		7619

### Rod Design

	<u>length</u>	<u>depth</u>
22' polished rod	22	22
1 - 6' x 7/8" sub	6	28
92 - 7/8" rods	2300	2328
208 - 3/4" rods	5200	7528
2 - 1-1/4" sinker bars	50	7578

**HIC at 3,832'**

### Production Casing

4-1/2" inch (OD)

11.6 # (weight)

J-55 grade

7,858' depth from KB

7,252' cement top

200 sacks of cement

7-7/8" inch (OD) HOLE SIZE

### Open Perforations

7,744' - 7,766' - 44 holes

JSND

**PBTD: 7,842' (Unknown)**