





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

	Length	Depth
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

Surface Casing

8-5/8" inch (OD)
 24 # (weight)
 N-24 grade
 210' depth from KB
 Surface cement top
 150 sacks of cement
 12-1/4" inch (OD) HOLE SIZE

Visual Returns

Rod Design

	length	depth
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

Calculated

Open Perforations

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

PBTD: 7,842' (Unknown)

Pump Details:
 Unknown

Pumping Unit Details:
 N/A

Well Notes:
 HIC at 3,832'

