JOB LOG

WESTERN WELLSITE SERVICES
17509 ROAD 14
FORT MORGAN, CO 80701

Company	Black Raven Energy INC
Well	RM Hough #A-4
Location	NW SW 7 T1N R57W
Date	March 13, 2013

Pre-job Safety Meeting
MIRU P&A
MIRU wireline
TIH gauge ring to 760' TOH same
TIH CIBP to 760' and set TOH
TIH and dumpbailed 2 sacks cement on top of CIBP TOH same
TIH and shot squeeze holes @ 730' Depth OK'd by Dirk Sutphim, COGCC
Established circulation to surface
Tallied tubing, PU CICR and TIH to 630' and set. OK'd by Dirk Sutphin, COGCC
Mixed and pumped 50 sacks cement, 45 under and 5 on top. OK'd by Dirk Sutphin, COGCC
TOH LD stinger
MIRU wireline
TIH and shot squeeze holes @ 160'
RDMO wireline
Established circulation to surface
Mixed and pumped 55 sacks cement to surface
RDMO
Dug up wellhead and cut off
Good cement to surface
Welded on cap and backfilled wellbore

Top fish @ 780 ft
77 jts 2 3/8 tbg to Sub-pump & Wire left in hole

WIRELINE CONTRACTOR	J-W Wireline
CEMENT CONTRACTOR	WESTERN WELLSITE SERVICES
DIRTWORK CONTRACTOR	NA
RESEEDING CONTRACTOR	NA

Signed: Tony R Jackson; field supervisor March 14, 2013