

JOB LOG

Magna Energy Services
Niobrara Blvd. 20661
LaSalle, Colorado 80645

Operator: PDC Energy

Miller 21-31 API 05-123-21350 -00

Location: NENW, Sec. 31, T6N, R63W

Date: 10-19-16 10-21-16

MIRU Plugging Rig & Equipment ICP- 160 ITP-75 ISCP- 0 Function Test BOPS Hu Blow dn Well to tank

Circulate Hole Clean ND WH NU BOPS LD 4' + 10' Subs TOH w/ 15 stds LD 174 jts 2-3/8 J55 4.7# Eue Tbg

& SNNC Total 204 Jts + Subs - 6748.54 KB

MIRU Magna WL RIH w/ GRJB 3.50 od to 6730' POOH RIH w/ 4-1/2 Owens 10 K CIBP 3.50 od Set @ 6709' POOH RIH w/ DB put 2 sks Cement on top of CIBP POOH Load Hole Pressure Test to 950 psi Hold 5 Min Test Good Release Pressure RIH w/ 2nd 4-1/2 Owens 10K CIBP 3.50 od set @ 6432' POOH RIH w/ DB put 2 sks Cement on Top of CIBP POOH RIH w/ Split Shot Split Collar @ 900' POOH RDMOWL

ND BOPS & WH Unland Csg NU WH & BOPS LD 21 Jts 4-1/2 11.6# N 80 LTC Csg Total 900' C/O to Tbg PU MS Sub TIH w/ 30 Jts end of Tbg @ 1000' HU Circulate & Condition Hole Pump 281 sks 15.8# Class G Cement To get Good

Cement to Surface LD Tbg Top off Well w/ 8 sks Total Pumped 289 sks 59.19 Brls Slurry RD Plugging Rig & Equipment

ND BOPS & WH Dig around Surface Csg Cut & Cap Surface Csg 6' Below GL Cement 4' Below Cut & Cap

Weld on Name Plate Back Fill Hole

Total Cement Pumped 289 sks

PDC will Flush Flow Line

Cement Contractor: Magna Energy Services of LaSalle, CO

Kevin Billman

Field Supervisor

3036011877

Company Name:

PDC

Company Man:

Tom Lefor / Ryan Beam

Today's Date: 10/19/2016

10/19/2016

A/E or Project #:

PA-000-

Company Man Cell:

970-301-8295 - 970-405-8585

Days on Well:

Well Name/Number: Miller 21-31 Api 05-123-21350-00

Section/Township/Range
NENW Sec: 31T:6N R: 63W

Rig #:

16

Tool Pusher:

Kevin Billman

Operator:

Nathan Scott

Rig Hand:

Otoniel Rodriguez

Ria Hand:

Amando Lopez Jr

Ria Hand:

Austin Jones

Ria Hand:

[illegible]

P&A Mangers Signature:

VP Operations Signature:

Company Name:

PDC

Company Man:

Tom Lefor / Ryan Beam

Today's Date: 10/20/2016

10/20/2016

A/E or Project #:

PA-000-

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Nathan Scott

Rig Hand:

Otoniel Rodriguez

Rig Hand:

Amando Lopez Jr

Riq Hand:

Austin Jones

Ria Hand:



Task Times:		Job Steps in Bid Scope		Task Times:		Job Steps out of Bid	
6:00	6:30	Crew Travel					
6:30		Hold JSA Meeting HU Blow Dn Well to Tank Circulate Hole					
		Clean ND WH NU BOPS LD 4' + 10" Subs TOH w/ 15 stds 2-3/8					
		J55 4.7# Eue Tbg LD 174 jts +SNNC Total 204 jts + Subs 6748.54					
		MIRU Magna WL RIH w/ GRJB 3.50 od to 6730' POOH RIH w/					
		4-1/2 Owens 10K CIBP set @ 6709' POOH RIH w/ DB put 2 sks					
		Cement on Top of CIBP POOH Load Hole Pressure Test to 950					
		psi Hold 5 Min Test Good release pressure RIH w/ 2nd 4-1/2					
		Owens 10K CIBP set @ 6432' POOH RIH w/ DB put 2 sks					
		Cement on top of CIBP POOH RIH w/ Split Shot Split Collar @					
		900" POOH RDMOWL					
		ND BOPS & WH Unland Csg NU WH & BOPS LD 21 Jts 4-1/2					
	6:00	11.6# N 80 LTC Csg Total 900' C/O to Tbg SWIFN					
6:00	6:30	Crew Travel					

P&A Managers Signature:

VP Operations Signature:

10/21/2016

970-301-8295 -970-405-8585

Miller 21-31 Api 05-123-21350-00

NENW Sec: 31T: 6N R: 63W

Austin Jones



Task Times:		Job Steps in Bid	Scope	Task Times:	Job Steps out of Bid
6:00	6:30	Nathan & Kevin attend JSA Meeting			
6:30	7:00	Crew Travel			
7:00		Hold JSA Meeting Open Well -0 PU MS Sub TIH w/ 30 Jts End of Tbg @ 1000' HU Circulate & Condition Hole Pump 281 sks			
		15.8# Class G cement to Get Good Cement to Surface LD Tbg			
		Top Off Well with 8 sks Total Pumped 289 sks 59.19 Brls Slurry			
		Wash up Pump & Lines Clean out Work Tank RD Plugging Rig & Equipment ND BOPS & WH Dig around Surface Csg Cut & Cap			
		Surface Csg 6' Below GL Cement 4' below Cut & Cap Weld on			
	5:00	Name Plate Back Fill Hole			
5:00	5:30	Crew Travel			
5:30	6:00	Kevin Stays Watches Back fill & Help James Put up Fence			
		Final Report PDC Will Flush Flow Line			

VP Operations Signature: