

## JOB LOG

Magna Energy Services  
Niobrara Blvd. 20661  
LaSalle, Colorado 80645

Operator: PDC Energy

Olson 29-21 API 05-123-20198 -00

Location: NENW, Sec. 29, T4N, R67W

Date: 9-22-16 9-27-16

MIRU Plugging Rig & Equipment ICP- 600 ITP-180 ISCP- Blow Function Test BOPS Hu Blow dn Well to tank  
Circulate Hole Clean ND WH NU BOPS LD 4' +6' + 8" Subs TOH w/ 20 Jts LD 202 Jts 2-3/8 J55 4.7# Eue Tbg Total  
222 Jts + Subs 7289'

MIRU Magna WL RIH w/ GRJB 3.50 od to 7264' POOH RIH w/ 4-1/2 Owens 10K CIBP 3.50 od set @ 7254' POOH  
RIH w/ 3" DB Starts Stacking out POOH RIH w/ 2" DB Make 2 runs put 2 sks Cement on top CIBP POOH Load  
Hole Pressure Test to 900 psi Hold 5 min Test Good Release Pressure

RIH w/ 2nd 4-1/2 Owens 10K CIBP 3.50 od Try Set @ 6951' Don't set POOH w/ CIBP Get Hung up @ 1525' Work to try  
get Free Pressure up w/ Pump & surge Get Plug to move to 1440' Cant move any more pull out of rope socket RDWL  
PU RMOR 3-7/8 Over shot w/ 3-1/8 Spiral Grapple + 3-1/8 Bumper Sub RIH w/ 44 jts Latch on Fish Work Fish Pull 34 K  
over shear off Plug Go back dn Stack out TOH w/ Fishing Tools & WL setting Tools LD WL setting Tools & Fishing Tools  
Put on Washington Head PU 3-7/8 Cone Bit w/ BS TIH Tag CIBP LD Jt RU Power Swivel W/ 10' Sub Get

Circulation Drill Out Plug Pu Jt w/ swivel RD Power Swivel PU Tbg Total 214 Jts + 10' Sub end of Tbg @ 7068'  
TOH w/ 10 Stds LD rest of Tbg

MIRU Magna WL RIH w/ GRJB 3.50 od to 6970' POOH RIH w/ 2nd 4-1/2 Owens 10K CIBP 3.50 od Set @ 6951'  
RIH w/ DB make 2 Runs to put 2 sks Cement on top CIBP POOH RIH w/ Split Shot Split Collar @ 630' POOH RDMOWL  
ND BOPS & WH Unland Csg NU WH & BOPS LD 14 Jts 4-1/2 10.5# STC Csg Total 630 '  
C/O to Tbg PU MS Sub TIH w/ 22 Jts End of Tbg @ 736' ' HU Circulate & Condition Hole Pump 219 sks 15.8# Class G  
Cement to get Good Cement to Surface LD Tbg Top of Well w/ 11 sks Total Pumped 230 sks 47.10 Brls Slurry RD  
Plugging Rig & Equipment Cement @ GL Dig around Surface Csg Cut & Cap Surface Csg 6' below GL Weld on name plate  
Back Fill Hole

Total Cement Pumped 230 sks

PDC will Flush Flow Line

**Company Name:**

PDC

**Company Man:**

Tom Lefor / Ryan Beam

Today's Date: 9/22/2016

***A/E or Project #:***

PA-000-414

**Company Man Cell:**

970-301-8295 -970-405-8585

**Days on Well:**

**Well Name/Number:** Olson 29-21 Api 05-123-20198-00

Section/Township/Range NENW Sec: 29 T: 4N R: 67W

Rig #:

16

**Tool Pusher:**

Kevin Billman

**Operator:**

Nathan Scott

**Rig Hand:**

Otoniel Rodriguez

**Rig Hand:**

Amando Lopez Jr

**Rig Hand:**

Austin Jones

**Rig Hand:**

[illegible]

**P&A Mangers Signature:**

**VP Operations Signature:**



**Company Name:**

PDC

**Company Man:** Tom Lefor / Ryan Beam

Today's Date: 9/23/2016

**A/E or Project #:**

PA-000-414

**Company Man Cell:**

970-301-8295 -970-405-8585

**Days on Well:**

Well Name/Number: Olson 29-21 Api 05-123-20198-00

Section/Township/Range  
NENW Sec: 29 T: 4N R: 67W

Rig #:

16

**Tool Pusher:**

Kevin Billman

**Operator:**

Nathan Scott

***Rig Hand:***

toniel Rodriguez

**Rig Hand:**

mando Lopez Jr

**Ria Hand:**

Austin Jones

**Ria Hand:**



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 on Vac. Hu Takes 15 Brls load					
		Hole Circulate Hole LD Rest of Tbg Total 222 Jts + Subs 7289'					
		MIRU Magna WL RIH w/ GRIB 3.50 od To 7264' POOH RIH w/					
		4-1/2 Owens 10K CIBP 3.50 od set @ 7254' POOH RIH w/ 3"					
		DB Stacking Out @ 6400' POOH RIH w/ 2" DB Make 2 Runs					
		put 2 sks Cement on top of CIBP POOH Load Hole Pressure Test					
		to 900 psi Hold 5 min Test Good Release Pressure					
		RIH w/ 2nd 4-1/2 Owens 10K CIBP 3.50 od Go to set @ 6951'					
		Doesn't set POOH Plug hangs up @ 1525'					
1:30		Try to Work Plug loose Pump Pressure & Surge get Plug to					
		move From 1525' to 1450' cant get to move any Keep working					
	3:00	to get free Pull out of rope socket POOH RDWL SWIFN					
3:00	3:30	Crew Travel					

**Company Name:**

PDC

**Company Man:**

Tom Lefor / Ryan Beam

Today's Date: 9/26/2016

**A/E or Project #:**

PA-000-414

**Company Man Cell:**

970-301-8295 -970-405-8585

**Days on Well:**

Well Name/Number: Olson 29-21 Api 05-123-20198-00

Section/Township/Range NENW Sec: 29 T: 4N R: 67W

Rig #: 16

**Tool Pusher:** Kevin Billman

**Operator:** Nathan Scott

**Rig Hand:** Otoniel Rodriguez

**Rig Hand:** Amando Lopez Jr

**Ria Hand:** Austin Jones

**Ria Hand:**



<b>Task Times:</b>	<b>Crew</b>	<b>Job Steps in Bid Scope</b>	<b>Task Times:</b>	<b>Job Steps out of Bid</b>
6:00	6:30	Crew Travel		
6:30		Hold JSA Meeting Open Well-0 PU RMOR 3-7/8 Over shot w/ 3-1/8 Spiral Grapple + 3-1/8 Bumper Sub RIH w/ 44 Jts Latch on Fish Work trying to get CIBP loose Pull 34k over shear off  Plug Go back Dn stack out TOH W/ Fishing tools & Setting tool LD WL setting tool & Fishing tools		
8:30	9:30	Put on Washington Head Standby for Bit & Bit Sub		
9:30	10:30	PU 3-7/8 Cone Bit w/ BS TIH Tag CIBP LD It		
10:30	11:00	RU Power Swivel W/ 10' Sub Get Circulation		
11:00		Drill out CIBP Circulate Hole Clean Pu It w/ Swivel RD Power  Swivel		
1:30		Pu Tbg RIH w/ 214 Jts + 10' Sub End of Tbg @ 7068' TOH w/ 10 stds LD Rest of Tbg SWIFN		
6:30	7:00	Crew Travel		

**P&A Mangers Signature:**

**VP Operations Signature:**



Company Name: PDC Today's Date: 9/27/2016  
 AFE or Project #: PA-000-414 Tom Lefor / Ryan Beam  
 Well Name/Number: Olson 29-21 Api 05-123-20198-00 Company Man Cell: 970-301-8295 -970-405-8585  
 Section/Township/Range NENW Sec: 29 T: 4N R: 67W

Rig #:	16
Tool Pusher:	Kevin Billman
Operator:	Nathan Scott
Rig Hand:	Otoniel Rodriguez
Rig Hand:	Amando Lopez Jr
Rig Hand:	Austin Jones
Rig 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 Open Well-O MIRU Magna WL RIH w/ GRJB							
		3.50 od to 6970' POOH RIH w/ 4-1/2 Owens 10K CIBP 3.50 od							
	8:30	set @ 6951' POOH							
8:30		RIH w/ DB make 2 runs to put 2 sks Cement on top CIBP							
		POOH RIH w/ Split Shot Split Collar @ 630' POOH RDMOWL							
		ND BOPS & WH Unland Csg NU WH & BOPS LD 15 Jts 4-1/2							
		10.5# M65 STC Total 630' C/O to Tbg PU MS Sub TIH w/ 22 Jts							
		end of Tbg @ 736' Hu Circulate & Condition Hole Pump 219 sks							
		15.8# Class G Cement to get Good Cement to Surface LD Tbg							
		Top off well w/ 11 sks Total Pumped 230 sks 47.10 Brls							
		Slurry Wash up Pump & Lines Clean out Work tank RD							
		Plugging Rig & Equipment Cement @ Surface ND BOPS & WH							
		Dig around Surface Csg Cut & Cap Surface Csg 6' Below GL							
6:30		weld on name plate Back Fill Hole							
	7:00	Crew travel							

P&A Mangers Signature: VP Operations Signature:



# MAGNA ENERGY SERVICES, LLC

## WIRELINE

P.O. BOX 2155  
GILLETTE, WY, 82717  
RYAN LUDWAR (307) 680-8124

Company Name: MES / PDC ENERGY		Company Address:		Field Ticket Number: 30001528 In Bid	
OLSON #29-21		Date: 9/27/2016	Wireline Unit # 222	Rig Name & Number: MAGNA # 16	
County: WELD	State: COLORADO	Field: WATTENBERG	Engineer: J. JOHNSON	Operator: D. SHEAHAN	Operator:

RUN	RUN DATA				QTY	CODE	DATE	DESCRIPTIONS	UNIT PRICE	AMOUNT
	Job Time:	12:00	Shop Time:	7:00						
	Leave Shop:	10:00	Arrive At Loc:	10:30	1	3000-001	09/23/16	Set Up Charge Cased Hole Unit		
	Begin Rig Up:	11:45	Finish Rig up:	12:00	1	2000-003	09/23/16	Packoff Operation Charge 0#-1000#		
	Time In:	12:05	Time Out:	12:35				API Type 6BX, 5,000 lb. WP 13-3/8" and smaller		
1	From:	0	To:	7264'	7264	8000-009	09/23/16	Junk Catcher / Gauge Ring Depth Charge		
	Service:	3.5" JCGR TO 7264'			1	8000-010	09/23/16	Junk Catcher / Gauge Ring Operation Charge		
2	Time In:	12:40	Time Out:	1:15	7254	8000-001	09/23/16	Bridge Plug Depth Charge		
	From:	0'	To:	7254'	1	8000-002	09/23/16	Bridge Plug Operation Charge		
	Service:	SET 4.5" CIBP @ 7254'			1	8000-015	09/23/16	Setting Tool Rental, per tool		
3	Time In:	1:20	Time Out:	2:15						
	From:	0'	To:	6820'	7254	7000-006	09/27/16	Dump Bailer Depth Charge		
	Service:	CDB 2 SX CEMENT ON CIBP @ 7254'			1	7000-007	09/27/16	Dump Bailer Operation Charge		
4	Time In:	8:00	Time Out:	8:40	6951	8000-001	09/27/16	Bridge Plug Depth Charge		
	From:	0'	To:	6951'	1	8000-002	09/27/16	Bridge Plug Operation Charge		
	Service:	SET 4.5" CIBP @ 6951'			1	8000-015	09/27/16	Setting Tool Rental, per tool		
5	Time In:	8:45	Time Out:	9:55						
	From:	0'	To:	6951'	6951	7000-006	09/27/16	Dump Bailer Depth Charge		
	Service:	CDB 2 SX CEMENT ON CIBP @ 6951'			1	7000-007	09/27/16	Dump Bailer Operation Charge		
6	Time In:		Time Out:							
	From:		To:							
	Service:									
7	Time In:		Time Out:							
	From:		To:							
	Service:									
8	Time In:	10:00	Time Out:	10:20						
	From:	0'	To:	630'	6000	5000-022	09/27/16	Split Shot Depth Charge		
	Service:	SSC 4.5" CASING @ 630'			1	5000-023	09/27/16	Split Shot Operation Charge		
9	Time In:		Time Out:							
	From:		To:							
	Service:									
10	Time In:		Time Out:							
	From:		To:							
	Service:									
11	Time In:		Time Out:					SUB TOTAL		\$ -
	From:		To:					LESS DISCOUNT		
	Service:									
					QTY	CODE	DATE	NON-DISCOUNTED ITEMS	UNIT PRICE	AMOUNT
12	Time In:		Time Out:							
	From:		To:		2	8000-014		Standard Set Power Charge		
	Service:				2	8100-000		Cast Iron Bridge Plug		
13	Time In:		Time Out:							
	From:		To:							
	Service:									
	OWEN 10K CIBP 3.5" OD									
	SETTING RANG :9.5-16.6# 4.5" CASING									
								SUBTOTAL		
								TAX		
								GRAND TOTAL		

Customer Signature:	Customer Name Printed:	Magna Representative Signature:
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The above estimated charges and data shown are subject to change by Magna Energy Services, LLC. Payment terms are net 30 Days.





## Slickline Division

3001

**Prices Subject To Correction  
by Billing Department**

Signature of Customer \_\_\_\_\_  
Date \_\_\_\_\_

UNIT NUMBER # 3	OPERATOR Johnny	ASSISTANT Sher	AFWFO PA000414
			Time on Job 12:10-3:10
			Round Trip Miles 60



This is to certify that the herein-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.



**Magna Energy Services**  
20661 Niobrara Blvd  
LaSalle, CO 80645  
Tel: 970-284-5752  
Fax: 970-284-5753

# STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE

Shipper No. \_\_\_\_\_

Carrier No. \_\_\_\_\_

Date 9/27/16

(Name of Carrier)

(SCAC)

TO: <u>Rocky Mountain Inspection</u>		FROM: <u>Magna</u>	
Consignee		Shipper	
On Collect on Delivery shipments, the letters "COD" must appear before consignee's name - - or as otherwise provided in item 430, Sec.1			
Street		Street	
<u>Greeley</u>		<u>Olson 29-21</u>	
Destination		Origin	
Zip Code		Zip Code	
Vehicle Number		U.S. DOT Hazmat Reg. Number	

Route					
No. Shipping Units	HM	Kind of Packaging, Description of Articles, Special Marks and Exception	Weight (Subject to Correction)	RATE	CHARGES
<u>2</u>		<u>Jts 4 1/2 11.6 # N 80 LTC C5g</u>			
		<u>Jts 4 1/2 10.5 M65 STC C5g</u>			
		<u>Total 630'</u>			

REMIT C.O.D. TO: ADDRESS	<b>COD</b> Amt: \$ _____ Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ _____ COLLECT <input type="checkbox"/> \$ _____
		<b>TOTAL CHARGES:</b> \$ _____ <b>FREIGHT CHARGES</b> FREIGHT PREPAID <input type="checkbox"/> Check box if charges are to be collected except when box at right is checked

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assignee.

SHIPPER <u>Kevin Billman Magna Rig 16</u>	CARRIER
PER <u>303-601-1877</u>	PER
EMERGENCY RESPONSE TELEPHONE NUMBER:	DATE

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604)

\* Mark with an "X" to designate Hazardous Material as defined in the Department of Transportation Regulations governing the transportation of hazardous materials. The use of this column is an optional method for identifying hazardous materials on bills of lading per Section 172.201(a)(1)(ii) of Title 49, code of Federal Regulations. Also, when shipping hazardous materials, the shipper's certification statement prescribed in Section 172.204(a) of the Federal Regulations must be indicated on the bill of lading, unless a specific exception from this requirement is provided in the Regulations for a particular material.