



Bison Oil Well Cementing

Invoice # 13073

API#

Foreman: Monte Bede

Date 11/14/20

Customer: Noble

Well Name: Govt Adakisson #1

*surface plug
to drill out
after cement
pumped*

County: Weld

State: Colorado

Sec: 14

Twp: 9n

Range: 59w

Consultant: Chuck

Rig Name & Number: Truepoint # 15

Distance To Location: 71

Units On Location: 4028-3102

Time Requested: 2:00pm

Time Arrived On Location: 2:00pm

Time Left Location:

Plug Job

Well Data

OD Inches	2.875	
String Weight Per ft	6.5	
First Plug Sacks	150	
First Plug Depth	434	
Second Plug Sacks		
Second Plug Depth		
Third Plug Sacks		
Third Plug Depth		
Fourth Plug Sacks		
Fourth Plug Depth		
ID	2.441	
First Plug Displacement	2.5120	bbl
Second Plug Displacement	0.0000	bbl
Third Plug Displacement	0.0000	bbl
Fourth Plug Displacement	0.0000	bbl
bbls of Spacer Ahead	5	bbls

First Plug Cement Data

Cement Name:	bn 111
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89

Second Plug Cement Data

Cement Name:	
Cement Density (lb/gal) :	
Cement Yield (cuft) :	
Gallons Per Sack:	

Third Plug Cement Data

Cement Name:	
Cement Density (lb/gal) :	
Cement Yield (cuft) :	
Gallons Per Sack:	

Fourth Plug Cement Data

Cement Name:	
Cement Density (lb/gal) :	
Cement Yield (cuft) :	
Gallons Per Sack:	

Displacement Fluid lb/gal:	8.3
Fluid Ahead (bbls):	15.0
H2O Wash Up (bbls):	20.0

bbls of Slurry

First Plug bbls of Slurry	33.9281 bbls
Second Plug bbls of Slurry	0.0000 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

bbls of Mix Water

First Plug bbls Mix Water	21.0357 bbls
Second Plug bbls Mix Water	#VALUE! bbls
Third Plug bbls Mix Water	0.0000 bbls
Fourth Plug bbls Mix Water	0.0000 bbls



Authorized To Proceed

Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.

Well Name: GOVT-ADKISSON 1

Report # 8, Report Date: 11/14/2014

API 05-123-05669		Prospect		Regulatory Field WATTENBERG		State/Province COLORADO		Country USA						
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section 14	Township 9 N	Township N/S Dir	Range 59 W	Range E/W Dir						
Well Configuration Type VERTICAL		Original KB Elevation (ft)		KB - GL / MSL (ftKB)		KB-Casing Flange Distance (ft)		KB-Tubing Head Distance (ft)						
Directions To Well CO HWY 14 & WCR 105, North to WCR 104, East to WCR 119, North 0.5 mi , West 0.2 mi Into					Comment WBI RE-ENTRY P&A FOR HORIZONTAL WELL: Washington LC13-775 AFE: 200491									
Total Depth (All) (ftKB) ORIGINAL HOLE - 287.0					Current PBTD (ftKB)									
Original PBTD														
Date		Depth (ftKB)		Type			Measurement Method							
Casing Strings														
Csg Des				OD (in)		Grade		W/Len (lb/ft)		MD (ftKB)				
Surface				9 5/8		J-55		36.00		287.0				
Cement Tops														
Description Surface Casing Cement					Top Depth (ftKB)									
Description Shoe Plug					Top Depth (ftKB)									
Tubing Components														
Des		Item Des			OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)				
Rods & Pumps														
Rod Description					Run Date			Set Depth (ftKB)						
Item Description					OD Nominal (in)		Joints		Length (ft)					
API Pump Type				Barrel Length (ft)		Seating Assembly Type								
Additional Downhole Equipment														
Des		OD (in)		Top (ftKB)		Btm (ftKB)		Run Date						
Perforations														
Zone Name	Bnch/Stg	Top Depth (ftKB)	Bottom Depth (ftKB)	Entered Shot T...	Est Hole Dia (in)	Date	Comment							
Swabs														
<dtm>					Swab Company			Total Volume Recovered (bbl)						
Swab #	Start Time	Swab Time (hr)	Start Fld Lvl (ftKB)	End Fld Lvl (ftKB)	Pull Depth (ftKB)	P Tub (psi)	P Cas (psi)	Vol Recov (bbl)	Oil (bbl)	Vol Oil Cum (bbl)	BS&W (%)	Cum BSW (bbl)	Vol Recov Cum (bbl)	Com
Equipment Pressure Test														
Test Date	Failed?	Item Tested		Location/Control Panel		Test Type	Comment							
Logs														
Type			Date		Top, MD (ftKB)	Btm, MD (ftKB)	Logging Company							
Production Failure Details														
Failure Date	Failure Des		Fail Typ		Cause		Failed Item		MCF Lost (MCF/day)	Oil Lost (bbl/day)				
Daily Activity														
Job Category OTHER			Primary Job Type HORIZONTAL WELL PREP											
Rig Name TRU-POINT WELL SERVICE			Rig Operator ANTELMO CARDENAS			Rig Number 15	Rig Start Date 11/5/2014	Rig Release Date						
Chemicals on Location														
Supply Item Des	Received	Consumed	Returned	Cum On Location	Unit Label	Note								
Report Start Date 11/14/2014		Report End Date 11/14/2014		Operations Summary CSG: SLIGHT VAC. THAW OUT & START EQUIPT. TIH W/ BHA #1 & TAG @ 597' W/ 31' FILL. WASH DOWN TO 857' W/ BHA #1 & 24 -JTS 2 7/8" TBG. FLUID BEGAN COMING UP OUTSIDE OF SURFACE CASING WHILE CIRCULATING. CIRCULATE CLEAN. TOOH. STAND BACK BHA. TIH OPEN ENDED W/ 14 - JTS 2 7/8" TBG TO 435'. HELD PJSM & RU BISON CEMENTING. PUMP 5 BLL SPACER, 150 SKS, TYPE III 3 % CaCl MIXED @ 15.2 PPG W/ 1.27 YLD. BALANCED PLUG W 2.5 BBL. POOH & LD TBG. WASH UP. SWI SDFN.										
Operations Next Report Period TAG CEMENT & RUN 5 1/2" SURFACE.														
Surface Casing Pressure (psi)		Tubing Pressure (psi)		Casing Pressure (psi)		Rig Time (hr) 13.00								
AFE Number		Total AFE + Supp Amount (Cost)		Daily Field Est Total (Cost)		18,289		Total Job Cum Cost (Cost) 35,989						
Job Contact CHUCK EMERSON				Title COMPLETION RIG SUPER		Mobile 970-381-6233								
Time Log														
Start Date	End Date	Dur (hr)	Rpt Code	Com										
Man Hrs														
Company				Type		Count	Reg Work Time (hr)	OT Sum (hr)						
Daily Costs														
Task	Line	Int/Tan	Cost Des		LOE Des		Field Est (Cost)	Vendor						
330.70	0050	Intangible	Completion Unit				5,865.00	TRU-POINT WELL SERVICE						
330.70	0381	Intangible	Contract Labor & Exp				725.00	EMERSON ENERGY INC						

Well Name: GOVT-ADKISSON 1

API 05-123-05669		Prospect		Regulatory Field WATTENBERG		State/Province COLORADO		Country USA	
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section 14	Township 9 N	Township N/S Dir N	Range 59 W	Range E/W Dir W	
Well Configuration Type VERTICAL		Original KB Elevation (ft)		KB - GL / MSL (ftKB)		KB-Casing Flange Distance (ft)		KB-Tubing Head Distance (ft)	
Directions To Well CO HWY 14 & WCR 105, North to WCR 104, East to WCR 119, North 0.5 mi , West 0.2 mi Into					Comment WBI RE-ENTRY P&A FOR HORIZONTAL WELL: Washington LC13-775 AFE: 200491				

Tasks	
Description	Recurring Start Date

Total Depth (All) (ftKB) ORIGINAL HOLE - 6,760.0	Current PBTD (ftKB)
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Original PBTD			
Date	Depth (ftKB)	Type	Measurement Method

Casing Strings				
Csg Des	OD (in)	Grade	Wt/Len (lb/ft)	MD (ftKB)
Surface	9 5/8	J-55	36.00	287.0
Surface Liner	5 1/2	J-55	15.50	306.0

Cement Tops	
Description	Top Depth (ftKB)
Surface Casing Cement	0.0
Shoe Plug	150.0
Surface Liner	0.0

Tubing Components							
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)

Other String Components							
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)

Rods & Pumps	
Rod Description	Run Date
Item Description	Set Depth (ftKB)
API Pump Type	Barrel Length (ft)
	Seating Assembly Type
	OD Nominal (in)
	Joints
	Length (ft)

Additional Downhole Equipment				
Des	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date

Perforations							
Zone Name	Bnch/Stg	Top Depth (ftKB)	Bottom Depth (ftKB)	Entered Shot T...	Est Hole Dia (in)	Date	Comment

Swabs														
<dtm>													Total Volume Recovered (bbl)	
Swab #	Start Time	Swab Time (hr)	Start Fld Lvl (ftKB)	End Fld Lvl (ftKB)	Pull Depth (ftKB)	P Tub (psi)	P Cas (psi)	Vol Recov (bbl)	Oil (bbl)	Vol Oil Cum (bbl)	BS&W (%)	Cum BSW (bbl)	Vol Recov Cum (bbl)	Com

Equipment Pressure Test					
Test Date	Failed?	Item Tested	Location/Control Panel	Test Type	Comment

Logs				
Type	Date	Top, MD (ftKB)	Btm, MD (ftKB)	Logging Company

Production Failure Details						
Failure Date	Failure Des	Fail Typ	Cause	Failed Item	MCF Lost (MCF/day)	Oil Lost (bbl/day)

Daily Activity	
Job Category OTHER	Primary Job Type HORIZONTAL WELL PREP
Rig Name TRU-POINT WELL SERVICE	Rig Operator ANTELMO CARDENAS
	Rig Number 15
	Rig Start Date 11/5/2014
	Rig Release Date

Chemicals on Location						
Supply Item Des	Received	Consumed	Returned	Cum On Location	Unit Label	Note

Field Cost Summary by Task	
Task	Field Est (Cost)
330.60	1,250.00
330.70	86,242.28

Report Start Date 11/20/2014	Report End Date 11/20/2014	Operations Summary CSG/SURF: 0 PSI. HELD PJSM. RU HOWCO. TEST LINES TO 1000 PSI. ESTABLISH CIRCULATION RATE DOWN 5 1/2" CASING W/ RETURNS VIA 5 1/2" x 9 5/8" ANNULUS OF 1.5 BPM @ 100 PSI. ALSO HAD RETURNS OUTSIDE 9 5/8" SURFACE CASING MIX & PUMP 100 SK CLASS 'G' W/ 3% CaCl @ 15.2 PPG W/ 1.27 YLD (SLURRY VOL: 20 BBL). HAD CEMENT TO SURFACE W/ 18 BBL PUMPED. CIRCULATED 2 BBL GOOD CEMENT TO TANK & HAD CEMENT OUTSIDE SURFACE CASING AS WELL. DISPLACE W/ 1 BBL FRESH H2O. SD & WASH UP. SI ANNULUS. CONTINUE DISPLACEMENT W/ 4 BBL FRESH WATER WITH FULL CEMENT RETURNS OUTSIDE SURFACE CASING. FILL CELLAR. DID NOT FALL BACK.. WASH UP, CLEAN TANKS & RD HOWCO. SWI WOC
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Operations Next Report Period WOC	
Surface Casing Pressure (psi)	Tubing Pressure (psi)
Casing Pressure (psi)	Rig Time (hr)
	8.00
AFE Number	Total AFE + Supp Amount (Cost)
Daily Field Est Total (Cost)	Total Job Cum Cost (Cost)
21,671	87,492
Job Contact	Title
CHUCK EMERSON	COMPLETION RIG SUPER
	Mobile
	970-381-6233

Well Name: GOVT-ADKISSON 1

API 05-123-05669		Prospect WATTENBERG		Regulatory Field WATTENBERG		State/Province COLORADO		Country USA	
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section 14	Township 9 N	Township N/S Dir N	Range 59 W	Range E/W Dir W	
Well Configuration Type VERTICAL		Original KB Elevation (ft)		KB - GL / MSL (ftKB)		KB-Casing Flange Distance (ft)		KB-Tubing Head Distance (ft)	
Directions To Well CO HWY 14 & WCR 105, North to WCR 104, East to WCR 119, North 0.5 mi , West 0.2 mi Into					Comment WBI RE-ENTRY P&A FOR HORIZONTAL WELL: Washington LC13-775 AFE: 200491				

Tasks	
Description	Recurring Start Date
Total Depth (All) (ftKB) ORIGINAL HOLE - 6,760.0	Current PBTD (ftKB)

Original PBTD			
Date	Depth (ftKB)	Type	Measurement Method

Casing Strings				
Csg Des	OD (in)	Grade	Wt/Len (lb/ft)	MD (ftKB)
Surface	9 5/8	J-55	36.00	287.0
Surface Liner	5 1/2	J-55	15.50	306.0

Cement Tops	
Description	Top Depth (ftKB)
Surface Casing Cement	0.0
Shoe Plug	150.0
Surface Liner	0.0

Tubing Components							
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)

Other String Components							
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)

Rods & Pumps	
Rod Description	Run Date
Item Description	Set Depth (ftKB)
API Pump Type	Barrel Length (ft)
	Seating Assembly Type

Additional Downhole Equipment				
Des	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date

Perforations							
Zone Name	Bnch/Stg	Top Depth (ftKB)	Bottom Depth (ftKB)	Entered Shot T...	Est Hole Dia (in)	Date	Comment

Swabs														
<dttm>														Total Volume Recovered (bbl)
Swab #	Start Time	Swab Time (hr)	Start Fld Lvl (ftKB)	End Fld Lvl (ftKB)	Pull Depth (ftKB)	P Tub (psi)	P Cas (psi)	Vol Recov (bbl)	Oil (bbl)	Vol Oil Cum (bbl)	BS&W (%)	Cum BSW (bbl)	Vol Recov Cum (bbl)	Com

Equipment Pressure Test					
Test Date	Failed?	Item Tested	Location/Control Panel	Test Type	Comment

Logs				
Type	Date	Top, MD (ftKB)	Btm, MD (ftKB)	Logging Company

Production Failure Details						
Failure Date	Failure Des	Fail Typ	Cause	Failed Item	MCF Lost (MCF/day)	Oil Lost (bbl/day)

Daily Activity	
Job Category OTHER	Primary Job Type HORIZONTAL WELL PREP
Rig Name TRU-POINT WELL SERVICE	Rig Operator ANTELMO CARDENAS
Rig Number 15	Rig Start Date 11/5/2014
Rig Release Date	

Chemicals on Location					
Supply Item Des	Received	Consumed	Returned	Cum On Location	Unit Label

Field Cost Summary by Task	
Task	Field Est (Cost)
330.60	1,250.00
330.70	107,912.98

Report Start Date 11/19/2014	Report End Date 11/19/2014	Operations Summary CSG: 0 PSI PU 6 1/4" BIT, 2 - 3 1/8" DC's & 8 - JTS 2 7/8" TUBING TO 321'. CIRCULATE CLEAN. STILL COMMUNICATING OUTSIDE SURFACE CASING WHILE CIRCULATING. TOOH & LD TBG & DC's. ND BOP. INSTALL 9 5/8" CASING HEAD. RU & RUN 7 - JTS 5 1/2" 15.5# J-55 LT&C 8rd SURFACE LINER. INSTALL SLIPS & PACKOFF. CASING SET @ 306.07'. CLEAN MUD TANKS & PREP FOR CEMENTING 11-20-14. INSTALL SWAGE & VALVE. SISDFN
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Operations Next Report Period CEMENT 5 1/2" LINER	
Surface Casing Pressure (psi)	Tubing Pressure (psi)
	Casing Pressure (psi)
	Rig Time (hr)
	10.00
AFE Number	Total AFE + Supp Amount (Cost)
	Daily Field Est Total (Cost)
	11,320
	Total Job Cum Cost (Cost)
	65,822
Job Contact CHUCK EMERSON	Title COMPLETION RIG SUPER
	Mobile 970-381-6233

Well Name: GOVT-ADKISSON 1

API 05-123-05669		Prospect		Regulatory Field WATTENBERG		State/Province COLORADO		Country USA	
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section 14	Township 9 N	Township N/S Dir	Range 59 W	Range E/W Dir	
Well Configuration Type VERTICAL		Original KB Elevation (ft)		KB - GL / MSL (ftKB)		KB-Casing Flange Distance (ft)		KB-Tubing Head Distance (ft)	
Directions To Well CO HWY 14 & WCR 105, North to WCR 104, East to WCR 119, North 0.5 mi , West 0.2 mi Into					Comment WBI RE-ENTRY P&A FOR HORIZONTAL WELL: Washington LC13-775 AFE: 200491				

Tasks	
Description	Recurring Start Date

Total Depth (All) (ftKB) ORIGINAL HOLE - 6,760.0	Current PBTD (ftKB)
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Original PBTD			
Date	Depth (ftKB)	Type	Measurement Method

Casing Strings				
Csg Des	OD (in)	Grade	Wt/Len (lb/ft)	MD (ftKB)
Surface	9 5/8	J-55	36.00	287.0
Surface Liner	5 1/2	J-55	15.50	306.0

Cement Tops	
Description	Top Depth (ftKB)
Surface Casing Cement	0.0
Shoe Plug	150.0
Surface Liner	0.0

Tubing Components								
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	

Other String Components								
Des	Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	

Rods & Pumps		
Rod Description	Run Date	Set Depth (ftKB)
Item Description	OD Nominal (in)	Joints
API Pump Type	Barrel Length (ft)	Seating Assembly Type

Additional Downhole Equipment				
Des	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date

Perforations							
Zone Name	Bnch/Stg	Top Depth (ftKB)	Bottom Depth (ftKB)	Entered Shot T...	Est Hole Dia (in)	Date	Comment

Swabs														
<dtm>														Total Volume Recovered (bbl)
Swab #	Start Time	Swab Time (hr)	Start Fld Lvl (ftKB)	End Fld Lvl (ftKB)	Pull Depth (ftKB)	P Tub (psi)	P Cas (psi)	Vol Recov (bbl)	Oil (bbl)	Vol Oil Cum (bbl)	BS&W (%)	Cum BSW (bbl)	Vol Recov Cum (bbl)	Com

Equipment Pressure Test				
Test Date	Failed?	Item Tested	Location/Control Panel	Test Type
Comment				

Logs				
Type	Date	Top, MD (ftKB)	Btm, MD (ftKB)	Logging Company

Production Failure Details						
Failure Date	Failure Des	Fail Typ	Cause	Failed Item	MCF Lost (MCF/day)	Oil Lost (bbl/day)

Daily Activity	
Job Category OTHER	Primary Job Type HORIZONTAL WELL PREP
Rig Name TRU-POINT WELL SERVICE	Rig Operator ANTELMO CARDENAS
Rig Number 15	Rig Start Date 11/5/2014
Rig Release Date	

Chemicals on Location						
Supply Item Des	Received	Consumed	Returned	Cum On Location	Unit Label	Note

Field Cost Summary by Task	
Task	Field Est (Cost)
330.60	1,250.00
330.70	86,242.28

Report Start Date 11/18/2014	Report End Date 11/18/2014	Operations Summary CSG: 0 PSI PU 6 1/4" BIT, 2 - 3 1/8" DC's & 3 - JTS 2 7/8" TUBING TO 159'. RU POWER SWIVEL, DRILL HARD CEMENT TO 165', WHEN CIRCULATING FLUID CAME UP OUTSIDE SURFACE CASING, ARRANGE FOR VAC TRUCK TO PULL CELLAR WHILE CIRCULATING. DRILL OUT HARD CEMENT TO 321' (34' BELOW SURFACE SHOE) CIRCULATE CLEAN. STILL COMMUNICATING OUTSIDE SURFACE CASING WHILE CIRCULATING. TOOH. SISDFN
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Operations Next Report Period LD TBG, ND BOP, INSTALL CASING HEAD & RUN LINER			
Surface Casing Pressure (psi)	Tubing Pressure (psi)	Casing Pressure (psi)	Rig Time (hr) 13.00

AFE Number	Total AFE + Supp Amount (Cost)	Daily Field Est Total (Cost) 8,001	Total Job Cum Cost (Cost) 54,502
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Job Contact CHUCK EMERSON	Title COMPLETION RIG SUPER	Mobile 970-381-6233
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