

## Murray A-2

1-23-2015

MIRU, POOH and tally 103 jnts 2.375 tbg, 3259.30'. Left 51 jnts in derrick to use for plug. SNFN.

Rig-----

Supervision-----

Day cost-----

1-26-2015

RU w/Pioneer, RIH CIBP, set @ 3075', set 2 sx w/ bailer on top of plug. RIH w/50 jnts tbg to 1586.59'. RU w/Basic & Dillco, pumped 46 bbls to load hole then pumped 20 sx cement, displaced w/6 bbls water. POOH tbg. RIH w/perf gun and shot holes @ 550'. RIH w/CICR and set @ 500'. RIH w/16 jnts, stung in to CICR, pumped 130 bbls, established circulation. Pumped 50 sx cement, displaced w/2 bbls water. POOH tbg, RIH w/tbg shot, shot holes @ 50'. RD and released Pioneer. Removed csg head, filled hole w/7 bbls water. Pumped 15 sx, circulated to surface. Ceaned equipment, released Basic and Dillco. RD Borderline.

Rig-----

Pioneer-----

Basic-----

Dillco-----

Supervision-----

Day cost-----

Job cost-----

Completion	Workover
Pump Change	Rod Part
Stripping Job	Clean Out

# **BORDER-LINE, INC.**

P.O. BOX 1043 ULYSSES, KANSAS 67880  
 PHONE 620-356-3381  
 DAILY WORK TICKET

87610

Date 1/26/15

Rig No. 2 Ordered by Rocky Crane County Baca State COLO  
 Company Sovereign Well Name Murray A-2

DESCRIPTION OF WORK				Time	Rate	Amount
Operator <u>Hilario Debra</u>				<u>9 1/2</u>		
Drove crew to loc. Rig up						
Pioneer perf. Sat plug on						
wire line @ 3075 Run						
2 sacks cement on top						
RIH 50 joints @ 1586						
pump 20 sacks cement						
poot 50 jts perf @ 550'						
Sat cement R @ 500'						
RIH stringer 16 joints pump						
130 bbls water to get						
circulation pump 50 sacks						
cement full TBG shot						
holes @ 50" pump 75 sacks						
cement (Rig Down)						
				<u>R/Time</u>	<u>1</u>	
Extra Labor (1) <u>Rodo/PO</u> <u>Hinojosa</u>						
(2) <u>Rodo/PO</u> <u>Gabrera</u>						
Casing Swab Cups	Oil Saver Rubbers	Tubing Swab Cups	Wiper Rubbers			
Slip Type Elevators	Path/Tub. Leak	Standing Valve	Fishing Tools	<u>1</u>		
Backoff tool	Depthometer	Thread Lub.	Power Tongs	<u>1</u>		
Undersize Tools	Paraffin Knifei	Tubing Anchor Exch.	Sandpump/Cup			
El Rod Tools	Casing Scraper	Orbit	Casing Scratcher			
Light Plant	Out of Town Expense	Mowing/Weed eating	Anchor Truck			
Approved by				Total		
Equipment						
Polished Rod - Rod Subs						
Rods						
Pump - Gas Anchor						
Tubing Subs						
Tubing						<u>50 2 3/8</u>
Seating & Nipple - Mud Anchor						<u>1.10 5/16</u>

Completion	Workover
Pump'Change	Rod Part
Stripping Job	Clean Out

**BORDER-LINE, INC.**  
P.O. BOX 1043 ULYSSES, KANSAS 67880  
PHONE 620-356-3381  
DAILY WORK TICKET

87609

Date 1/23/2015

Rig No. 2 Ordered by Rocky County BACA State CO  
Company SOVEREIGN Well Name MURRAY A-2

DESCRIPTION OF WORK	Time	Rate	Amount
Operator <u>HILARIO Ochoa</u>	<u>7</u>		
<u>Drove crew to Loc</u>			
<u>waited for the restebout crew to move</u>			
<u>pumpin unit out and made a pit around</u>			
<u>well head to find service pipe Rig unit</u>			
<u>up blow well down well had a light blow</u>			
<u>Rig up to 100ft pipe 103 2 3/8</u>			
<u>tailed Joins put SI on Derrick and lay down</u>			
<u>52 pack off well and shot it in</u>			

Total Dep on Joins was 3249.70  
Total Dep on Derrick 1,608.34  
Total Dep that we lay down 1,641.36

21 Time

Extra Labor (1) Rodolfo Hinojos  
(2) Rodolfo Cabrera

Casing Swab Cups	Oil Saver Rubbers	Tubing Swab Cups	Wiper Rubbers
Slip Type Elevators	Path/Tub. Leak	Standing Valve	Fishing Tools
Backoff tool	Depthometer	Thread Lub.	Power Tongs
Undersize Tools	Paraffin Knife	Tubing Anchor Exch.	Sandpump/Cup
El Rod Tools	Casing Scraper	Orbit	Casing Scratcher
Light Plant	Out of Town Expense	Mowing/Weed eating	Anchor Truck
Approved by			Total

Equipment
Polished Rod - Rod Subs
Rods
Pump - Gas Anchor
Tubing Subs
Tubing
Seating & Nipple - Mud Anchor

103 2 3/8



Every Project Is Personal

Pioneer Wireline Services, LLC

Service Order No.

1- 48106

Phone: 785.625.3858

Fax: 785.625.8635

Date: 1-26-15

Client Info	Company SOVERCIEN OPER		Client Order # 02			
	Billing Address		City	ST	Zip	
Well Info	Lease & Well # MURRY A-2		Field Name		Legal Description (coordinates)	
	Nearest Town WALSH	County / Parish BACA	ST CO	Rig	Permit #	Price Zone
	Fluid WATER	Level (surf.) KILL	Reading from GL	Customer T.D.	Pioneer T.D.	Elevation
	Casing Size 4 1/2	Casing Weight		KB Elevation		
Crew	Engineer LADO DUTY		Truck Driver MIGUEL		Crew Members MANUEL	
	Unit # 3		Miles 180			

Product Code	Description	Q-ty	Unit Price	Depth		\$ Amount
				From	To	
15071	SETTING TOOL DEPTH MIN	1		0	3075	
15072	OPERATIONS	1				
15090	4 1/2 CIBP	1				
15021	DUMP BAILEY DEPTH MIN	1		0	3075	
15022	OPERATIONS					
17500	3 1/8 SLICK BUN DEPTH MIN	1		0	550	
17502	SHOT CHARGE MIN	4				
15071	SETTING TOOL DEPTH MIN	1		0	500	
15072	OPERATIONS	1				
10200	4 1/2 CEMENT RETAINER	1				
17100	1 7/8 RTG DEPTH MIN	1		0	50	
17102	SHOT CHARGE MIN	4				
10000	TRUCK # 3	1				

THE UNDERSIGNED HEREBY CERTIFIES THAT HE HAS FULL AUTHORITY TO ENTER INTO THIS CONTRACT ON BEHALF OF THE CLIENT AND AGREES TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE HEREOF.

Client Approval 
Name Printed Signature / Date

16	SUBTOTAL	
12-15	DISCOUNT	
	SUBTOTAL	1905
	TAX	
	NET TOTAL	

Pioneer Field Representative	
LADO DUTY	1-26-15
Name Printed	Signature / Date

PIONEER OFFICE USE ONLY - Manager Approval	
DAVID BURNS	1/26/15
Name Printed	Signature / Date

# Cement Report

Customer <u>Sovereign Operating</u>	Lease No. <u>AZ</u>	Date <u>1-26-15</u>
Lease <u>Murray</u>	Well # <u>AZ</u>	Service Receipt <u>1717-05595A</u>
Casing <u>4 1/2</u>	County <u>Baca</u>	State <u>CO</u>

Job Type	Formation	Legal Description
<b>Pipe Data</b> Casing size Depth Volume Max Press Well Connection Plug Depth		<b>Perforating Data</b> Tubing Size Depth Volume Max Press Annulus Vol. Packer Depth
		<b>Cement Data</b> Lead <u>1003K Pcm</u> <u>@ 14.8</u> 1.32 <u>6.31</u> Tail in

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					Onloc
9:15					Safety mts w/BES Employees
9:20					Spinning & Rig up
10:30					Safety mts w/Rig crew
10:35					Pressure test to 2500
10:37			40 BBL	3 BPM	Start Pumping Water
10:48					Shutdown - tie leak
10:52			460	3 BPM	Broke Circulation to Surface
11:00	0		205K 4.76 BBL	1 BPM	Start Cementing
11:05					Start Disp Washup going down
11:10					Shot down - Pull Pipe
12:35	900		60 BBL	2.5 BPM	Start Pumping Water
13:00					Shutdown wait for Water Truck
13:45	900		40 BBL		Start Pumping more Water
14:22	600		505K 12 BBL		Start Cementing #2
14:30			2		Start Disp. Washup going down
14:40	500 psi				Shot down - string out
15:15			2 BBL		Start Pumping Water through 4 1/2
15:20			3.4 BBL		Start Cementing Surf. Plug
15:30					Cement to Surface
					Job Complete
Service Units	86543	38117/19919	14355/19883		
Driver Names	Tommy M.	Daniel B.	Rajiro M.		

Rocky  
Customer Representative
 Tyce Davis  
Station Manager
 Tommy Marellus  
Cementer
 Taylor Printing, Inc.

# BASIC<sup>TM</sup>

ENERGY SERVICES  
Liberal, Kansas

## Cement Report

Customer <u>Sonotega Operating</u>		Lease No.		Date <u>1-26-15</u>	
Lease <u>N Murray</u>		Well # <u>A2</u>		Service Receipt <u>1717-05595A</u>	
Casing <u>4 1/2"</u>		County <u>Baca</u>		State <u>CO</u>	
Job Type		Formation		Legal Description	
Pipe Data			Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead <u>1003K Perm @ 14.8</u>	
Depth	Depth	From <u>500'</u>	To	1.32 <u>Lead</u>	
Volume	Volume	From <u>50'</u>	To	Tail in	
Max Press	Max Press	From	To		
Well Connection	Annulus Vol.	From	To		
Plug Depth	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					Onloc
9:15					Safety mts w/BES Employees
9:20					Spot in + Rig up
10:30					Safety mts w/Rig crew
10:35					Pressure test to 2500
10:37			40 BBL	3 BPM	Start Pumping Water
10:48					Shut down + fix leak
10:52			46	3 BPM	Broke Circulation to Surface
11:00			205K 4.76 BBL	1.6 BPM	Start Cementing
11:05					Start Disp Washup going down
11:10					Shut down + Pull Pipe
12:35	900		60 BBL	2.5 BPM	Start Pumping Water
13:00					Shut down wait for Water Truck
13:45	900		40 BBL		Start Pumping more Water
14:22	600		505K 12 BBL		Start Cementing #2
14:30			2		Start Disp. Washup going down
14:40	500 psi				Shut down + string out
15:15			2 BBL		Start Pumping Water through 4 1/2"
15:20			3.4 BBL		Start Cementing Surf. Plug
15:30					Cement to Surface
					Job Complete
Service Units	86573	32117/19919	14355/19883		
Driver Name	Tommy M.	Dante B.	Royce M.		

Rocky  
Customer Representative

Tyce Davis  
Station Manager

Tommy Mancillus  
Cementer

Taylor Printing, Inc.