



Service Ticket

9191252

Field Estimate

Client Name Extraction Oil			Well Name Rubyanna 13NB - 31W		Location Sec 13:T6N:R67W		Job Date May 03, 2014	
			Job Type Intermediate Casing		County Weld		Service Point Fort Lupton	Call Sheet 1041684
Address 1888 Sherman Street, Suite 200			Client Representative Brandon Patch		State CO		Pricing Area Area U	
City Denver	State CO	Postal Code 80203	Drilling Company H&P Drilling Inc.		Rig No. 319		AFE/PO#	

District	Service, Equipment & Material Type	Disc	13	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge	57	13	1380	1		
59	Service Charge 7001 to 8000 ft	57	13	1012	1		
59	Twin Pumping	57	13	1150	1		
59	Handling Service Charge	57	13	1480	1049		
59	Bulk Delivery / Return	57	13	1484	42.2		
59	SAM Unit	57	13	1497	1		
59	Mud Flush	57	13	3195	840		
59	1-1-0	57	13	3002	520		
59	CFL-2	57	13	3131	215		
59	FMC	57	13	3147	172		
59	LTR	57	13	3110	65		
59	PS Flake	57	13	3250	520		
59	Gel	57	13	3231	2574		
59	1-1-0	57	13	3002	335		
59	CFL-2	57	13	3131	166		
59	CFR	57	13	3160	139		
59	SMS	57	13	3104	166		
59	LTR	57	13	3110	83		
59	SPC-2	57	13	3220	46		
59	PS Flake	57	13	3250	355		
59	EnviroBag	57	13	1492	1		
59	DF-3, Anti-foamer	57	13	3262	4		
59	Environmental Surcharge	-	13	1493	1		
59	Fuel Surcharge	-	13	2992	3		
59	Rubber Plug 7"	-	13	4427	1		
59	Add. Loc. Time (Twin) - Operating	-	13	1395	2		
59	Add. Loc. (Twin) - Non Operating	-	13	1396	1		
59	Bulk Standby Time	-	13	1398	6		

McIntyre

Sanjel

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ROBYANNA - BNB-31W 14-20 9208 This Space Reserved for Client Coding Stamp	* Not Subject to Discount		Field Estimate		Before Discount: \$76,139.75
					Fuel Surcharge:
					After Discount: \$35,534.23
	FOR OFFICE USE ONLY				
<input checked="" type="checkbox"/>	Cementing - Prim	<input type="checkbox"/>	Cementing -Rem	<input type="checkbox"/>	Code 9000
<input type="checkbox"/>	Coiled Tubing	<input type="checkbox"/>	Nitrogen		
<input type="checkbox"/>	Acidization	<input type="checkbox"/>	Fracturing		
<input type="checkbox"/>	Industrial Services	<input type="checkbox"/>	MPCT		
<input type="checkbox"/>	Other				
Field	Sales 1		Sales 2		
Comments	AFE-14-20		This service ticket is not an invoice; pricing is subject to review and change without notice. This signature confirms that I have read and comply with the terms and conditions page of this service ticket. X <i>Shannon</i>		

Terms & Conditions

1. **Agreement for Services.** Sanjel (USA) Inc. ("Sanjel") and the customer for whom Sanjel is providing the Services ("Customer"), (collectively, the "Parties"), expressly understand and agree that the terms and conditions in this agreement (the "Agreement") shall govern and control the provision of all services provided by Sanjel to Customer, including any services, materials or consumables provided or performed by Sanjel under written or oral requests for services or job orders ("Services").
2. **Entire Agreement and Conflict.** Subject to any Master Service Agreement ("MSA") in effect between the Parties, this Agreement constitutes the entire agreement of the Parties with respect to the subject matter herein. This Agreement shall not be superseded or replaced by any other agreement (including any terms and conditions which may be found in any purchase order, service order, or invoice produced by Customer or found in Sanjel's Price Book) unless specifically agreed to by the Parties in writing. If there is any conflict between the terms of this Agreement and the MSA, the provisions of the MSA shall prevail.
3. **Results of Services.** The Customer acknowledges and agrees that the Services are of such a nature that no results of the work performed can be guaranteed and Sanjel specifically does not make any representations, warranties or guarantees with respect to the results of the Services.
4. **Price and Price Changes.** Customer shall pay for the Services at the rates set out in Sanjel's current Price Book ("Price Book"). All rates and prices quoted in the Price Book are subject to change without prior notice to the Customer, including the imposition of fuel or other surcharges related to increases in commodity prices. Special jobs undertaken by Sanjel outside of the scope of the Services shall not be subject to Price Book or any previously agreed upon discounts.
5. **Taxes.** All prices are exclusive of any municipal, state, federal, and/or special taxes or levies imposed on the sale of the Services. Customer shall be responsible for all taxes applicable to the provision of the Services.
6. **Additional Services Requests.** Services, equipment or materials not listed in the Price Book or a Sanjel proposal but purchased or rented by Sanjel at Customer's request shall be charged to Customer at actual cost plus twenty five percent (25%). Sanjel shall have no liability to Customer in respect of such services, equipment or materials.
7. **Payment Terms.** Payment terms are cash, net thirty (30) days. Interest shall be charged at eighteen percent (18%) per annum on all overdue accounts, and where necessary, all costs of collection of overdue accounts, including any legal fees and disbursements.
8. **Standby Charge.** In the event that Sanjel is unable to perform a job or provide requested Services to Customer due to circumstances beyond its control, including instances of force majeure, Sanjel retains the right to charge Customer seventy five percent (75%) of the applicable base charge, plus 100% of costs including, but not limited to, mileage, blending, material handling/hauling, materials and/or return delivery and restocking charges, and all location time in excess of the location time allowance.
9. **Warranties.** Sanjel warrants only that title to the product, supplies and materials, shall pass and vest in Customer, free and clear of all liens, claims and encumbrances of any nature, and that the same are free from defects in workmanship. There are no warranties, express or implied, of merchantability, use, and fitness or otherwise which extend beyond those expressly stated herein.
10. **Proprietary Rights.** Customer acknowledges that any intellectual property which is used by Sanjel for the provision of Services, or is created or developed by Sanjel in the course of performing the Services, is and shall remain the property of and is owned by Sanjel at all times.
11. **Confidentiality.** The Parties agree to take all reasonable precautions to protect the confidential information of the other from unauthorized use and disclosure and each Party shall use the confidential information of the other only for the purpose of conducting the Services.
12. **LIABILITY AND INDEMNITY.** (A) SUBJECT TO SECTIONS 12(b),13,14 & 15 BELOW, CUSTOMER SHALL BE LIABLE TO SANJEL FOR ALL CLAIMS, DEMANDS, ACTIONS, CAUSES OF ACTION, DAMAGES, LOSSES, DEFICIENCIES, COSTS, LIABILITIES, EXPENSES (INCLUDING LEGAL FEES, ON A SOLICITOR-CLIENT BASIS ("CLAIMS")), THAT MAY BE MADE OR BROUGHT AGAINST SANJEL (EITHER DIRECTLY BY CUSTOMER, ITS AFFILIATES OR SUBSIDIARIES OR BY ANY THIRD PARTY) OR WHICH SANJEL MAY SUFFER OR INCUR AS A RESULT OF, ARISING OUT OF OR INCIDENT TO THIS AGREEMENT OR ANY SERVICES PROVIDED HEREUNDER, WHETHER SUCH CLAIM IS FOUNDED IN CONTRACT, TORT OR ANY OTHER CAUSE OF ACTION WHATSOEVER, UNLESS CAUSED BY THE NEGLIGENCE OR WILLFUL MISCONDUCT OF SANJEL. (B) NOTWITHSTANDING SECTION 12(A), CUSTOMER SHALL AT ALL TIMES BE SOLELY LIABLE FOR ANY CLAIMS MADE OR BROUGHT AGAINST SANJEL (EITHER BY CUSTOMER, ITS AFFILIATES OR SUBSIDIARIES OR BY ANY THIRD PARTY) OR WHICH SANJEL MAY SUFFER OR INCUR AS A RESULT OF, ARISING OUT OF OR INCIDENT TO: WELL BLOWOUT OR ANY UNCONTROLLED WELL CONDITION, FIRE, CRATERING, REDRILL OR SIDETRACKING, SEEPAGE OR RESERVOIR DAMAGE, LOSS OR DAMAGE TO THE HOLE, POLLUTION AND CONTAMINATION (EXCEPT SUDDEN AND ACCIDENTAL POLLUTION ORIGINATING ABOVE THE SERVICE OF THE EARTH AND EMANATING FROM SANJEL'S EQUIPMENT WHILE SUCH EQUIPMENT IS IN SANJEL'S CARE, CUSTODY AND CONTROL); EVEN IF CAUSED IN WHOLE OR IN PART BY THE SOLE, JOINT OR CONCURRENT NEGLIGENCE, GROSS NEGLIGENCE, WILLFUL MISCONDUCT OR OTHER FAULT (ACTIVE OR PASSIVE) OF SANJEL OR ANY OTHER PERSON. (C) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY AND SAVE HARMLESS SANJEL, ITS AFFILIATES AND SUBSIDIARIES, FROM AND AGAINST ALL OF THE CLAIMS DESCRIBED IN SECTIONS 12(A) AND 12(B) ABOVE.
13. **LIABILITY CAP, NOTWITHSTANDING SECTION 12 OR ANY OTHER TERM HEREIN TO THE CONTRARY, SANJEL'S MAXIMUM LIABILITY TO CUSTOMER ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT AND ANY SERVICES PROVIDED HEREUNDER IS LIMITED TO THE COST OF THE PRODUCTS OR SERVICES SUPPLIED FOR THE PARTICULAR JOB IN WHICH SUCH DAMAGES AROSE.**
14. **Consequential damages.** Notwithstanding section 12 or any other term herein to the contrary, neither Party shall be liable to the other for business interruptions, punitive, indirect or consequential damages relating thereto (including but not limited to any loss of profit, loss of expected revenue, loss of hydrocarbons or loss of rig time).
15. **Equipment and Materials.** Customer shall be liable to Sanjel for any and all loss or damage to Sanjel equipment, tools or materials: (i) while located down hole; and (ii) while being transported to or from the work-site by Customer at any time or while such equipment, tools or materials are being loaded onto or attached to any transportation unit or vehicle furnished by or arranged for by Customer. In the event any Sanjel equipment is lost, damaged or destroyed during the provision of Service, Customer shall use reasonable efforts to diligently recover or repair said equipment, and in the event recovery or repair are not possible, Customer agrees to reimburse Sanjel for the lost, damaged or destroyed equipment at actual replacement cost value plus twenty-five percent (25%).
16. **Disposal of Chemicals.** Customer shall arrange for and be responsible for the disposal of any used chemicals, hazardous material(s), including but not limited to, any waste produced or accumulated during the provision of Services.
17. **Waiver.** Failure to enforce any or all of the above terms and conditions shall not relieve the Parties of their rights and obligations hereunder or constitute a waiver thereof or preclude subsequent enforcement of same.
18. **Amendments.** This Agreement may only be amended by a written agreement between the Parties signed by a duly authorized representative of each Party.
19. **Governing Law.** The Parties agree that the laws of the State of Colorado shall govern this Agreement, without the application of choice of law rules. The parties voluntarily submit to the jurisdiction and venue of the federal or state courts (as applicable) of the State of Colorado for the adjudication of all disputes under this Agreement.



**Pumping
Service Report**

9191252

Client Name Extraction Oil	Well Name Rubyanna 13NB - 31W	Job Date May 03, 2014	Call Sheet 1041684
Client Representative Brandon Patch	Location Sec 13:T6N:R67W	Job Type Intermediate Casing	Rig H&P Drilling Inc. 319

Well Profile

Well Type:	Oil		
Maximum Treating Pressure (psi):	---		
Predicted Bottom Hole Static Temperature (°F):	200.00	@	--
Bottom Hole Circulating Temperature (°F):	160.00	@	--
Bottom Hole Logged Temperature (°F):	---	@	--

Open Hole						
	<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
	13.500	30.000	0.000	760.000	--	--
	8.750	25.000	760.000	7,425.000	--	--

Casing										
	<u>Size (in)</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Collapse Pressure (psi)</u>	<u>Internal Yield Pressure (psi)</u>	<u>Capacity (bbl)</u>	<u>I.D. (in)</u>	<u>O.D. (in)</u>	<u>Depth From (ft)</u>	<u>Depth To (ft)</u>
	9.625	36.000	J-55	2,020.0	3,520.0	58.75	8.921	10.625	0.0	760.0
	7.000	26.000	P-110	6,210.0	9,520.0	284.09	6.276	7.656	0.0	7,425.0

Products

Stage 1	
From Depth (ft):	0
To Depth (ft):	7366.75
Acids/Blends/Fluids :	
Lead 1: 520 Sacks of 1:1:0 Poz:Type III, Density = 12.5 lb/gal, Volume Pumped = 165 (bbl)	
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60	
+ 6 % of Gel (Preblend),	
+ 0.4 % of CDF-4P (Preblend),	
+ 0.5 % of CFL-2 (Preblend),	
+ 0.4 % of FMC (Preblend),	
+ 0.15 % of LTR (Preblend),	
+ 1 lb/sack of PS Flake (Preblend)	
Tail: 335 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 66.8 (bbl)	
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60	
+ 0.6 % of CFL-2 (Preblend),	
+ 0.5 % of CFR (Preblend),	
+ 0.6 % of SMS (Preblend),	
+ 0.3 % of LTR (Preblend),	
+ 0.2 % of SPC-2 (Preblend),	
+ 1 lb/sack of PS Flake (Preblend)	

Fluid & Cement Data

Expected Cement Top:	--				
Wellbore Fluid					
<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	--	--	--	May 03, 2014 08:38
Water Based Mud	--	--	--	--	May 03, 2014 12:56



Attachment & Tools			
Down Hole Tools			
<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>	
Guide Shoe	7,366.750	Client	
Float Collar	7,322.890	Client	
Tubular Plugs			
<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>	
Rubber Top	7.000	Sanjel	

Units & Personnel							
Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
449039	TRAILER	Utility Trailer	201274	PICKUP	3/4 Ton	05/03/2014 10:20	05/03/2014 20:30
445020	TRAILER	Twin Pumper	745020	TRACTOR	Tandem - Tractor	05/03/2014 10:20	05/03/2014 20:30
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	05/03/2014 10:20	05/03/2014 20:30
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	05/03/2014 10:20	05/03/2014 20:30
749100	TRACTOR	Tandem - Tractor				05/03/2014 10:20	05/03/2014 20:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>		<u>End Shift</u>		<u>Second Start Shift</u>		<u>Second End Shift</u>
Hardwick, Waco	05/03/2014 10:20		05/03/2014 20:30				
Laeger, Kacey	05/03/2014 10:20		05/03/2014 20:30				
Svoboda, Miloslav	05/03/2014 10:20		05/03/2014 20:30				
Davila, Israel	05/03/2014 10:20		05/03/2014 20:30				
Lindsay, Kevin	05/03/2014 10:20		05/03/2014 20:30				
Daylong, Eric	05/03/2014 10:20		05/03/2014 20:30				
Graves, Douglas	05/03/2014 10:20		05/03/2014 20:30				



Pumping Service Report

9191252

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	May 03,2014 10:20	Arrive On Location	---	--	--	--	--	0.00
2	May 03,2014 10:30	Tailgate Meeting	---	--	--	--	--	0.00
3	May 03,2014 10:50	Rig In	---	--	--	--	--	0.00
4	May 03,2014 16:15	Safety Meeting	---	--	--	--	--	0.00
5	May 03,2014 16:30	Sign-off on Safety	---	--	--	--	--	0.00
6	May 03,2014 16:47	Pressure Test	Water	0.30	3,500.0	0.0	0.50	0.50
7	May 03,2014 16:49	Pump Preflush	Water	6.25	500.0	0.0	20.00	20.50
		Remarks: Mud Flush						
8	May 03,2014 16:51	Pump Spacer	Water	6.25	500.0	0.0	20.00	40.50
		Remarks: Fresh water spacer.						
9	May 03,2014 16:57	Pump	1:1:0 Poz:Type III	6.50	500.0	0.0	168.00	208.50
		Remarks: Lead cement.						
10	May 03,2014 17:23	Pump	1-1-0 G	6.00	400.0	0.0	68.00	276.50
		Remarks: Tail cement						
11	May 03,2014 17:38	Drop Plug	---	--	--	--	--	276.50
12	May 03,2014 17:42	Displace Fluid	Water Based Mud	6.50	1,100.0	0.0	285.50	562.00
		Remarks: Actual displacement was 280.5, went 5 bbls. over total as per client request.						
13	May 03,2014 18:40	Wash	---	2.00	--	--	25.00	562.00
14	May 03,2014 19:10	Rig Out	---	--	--	--	--	562.00
15	May 03,2014 20:16	Job Complete	---	--	--	--	--	562.00
16	May 03,2014 20:25	Pre-Departure Meeting	---	--	--	--	--	562.00
17	May 03,2014 20:30	Leave Location	---	--	--	--	--	562.00

Did Float Hold: Yes

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

46042

46041

46209

Comments To Service Report

Pumped 285.5 bbls. total for displacement, Actual displacement was 280.5, Shawn made the call to pump 5 bbls. over our displacement total , we did not bump the plug.