



Service Ticket

9191489

Field Estimate

Client Name Extraction Oil			Well Name Rubyanna 13c - 32W			Surface Well Location Sec 13:T6N:R67E			Job Date May 24, 2014			
			Job Type Liner Casing			Down Hole Location			Service Point Fort Lupton		Call Sheet 1042289	
Address 1888 Sherman Street, Suite 200			Client Representative Brandon Patch			State CO		County Weld		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 11001 to 12000 ft				57	13	1120	1				
59	Twin Pumping				57	13	1150	1				
59	Handling Service Charge				57	13	1480	470				
59	Bulk Delivery / Return				57	13	1484	17.6				
59	SAM Unit				57	13	1497	1				
59	Mud Flush				57	13	3195	840				
59	VISWEEP				57	13	3180	840				
59	SanTail WB				57	13	3124	450				
59	CFL-4				57	13	3133	341				
59	CFR-2				57	13	3161	171				
59	CR-4				57	13	3125	137				
59	SMS				57	13	3104	171				
59	LWA				57	13	3103	171				
59	EnviroBag				57	13	1492	1				
59	DF-3, Anti-foamer				57	13	3262	3				
59	Fuel Surcharge				-	13	2992	2				
59	Sugar				57	13	2999	50				
59	Add. Loc. (Twin) - Non Operating				-	13	1396	4				
					* Not Subject to Discount			Field Estimate				
					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						
This Space Reserved for Client Coding Stamp					Field	Sales 1		Sales 2				
Comments Job went smooth, had no problems. The rig crew was awesome and so was my crew.								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				

13C-32W
14-21 9208

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**

9191489

Client Name Extraction Oil	Well Name Rubyanna 13c - 32W	Rig H&P Drilling Inc. 319	Job Date May 24, 2014	Call Sheet 1042289
Client Representative Brandon Patch	Surface Well Location Sec 13:T6N:R67E	Down Hole Well Location	Job Type Liner Casing	

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	Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
	13.500	30.000	0.000	760.000	0.000	760.000
	8.750	25.000	760.000	7,700.000	--	--

Casing	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	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	294.61	6.276	7.656	0.0	7,700.0
	4.500	13.500	P-110	10,670.0	12,410.0	78.90	3.920	5.000	6,414.0	11,700.0

Products

Stage 1

From Depth (ft): 0
To Depth (ft): 11700

Acids/Blends/Fluids :

Tail: 450 Sacks of SanTail WB, Density = 13.5 lb/gal, Volume Pumped = 101.8 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60
+ 1 % of CFL 4 (Preblend),
+ 0.5 % of CFR 2 (Preblend),
+ 0.4 % of CR 4 (Preblend),
+ 0.5 % of SMS (Preblend),
+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	May 19, 2014 18:05
Water Based Mud	--	--	--	--	May 23, 2014 18:46

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Liner Hanger	4,600.000	Third Party



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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>
449093	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	05/24/2014 06:30	05/24/2014 16:20
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	05/24/2014 06:30	05/24/2014 16:20
749100	TRACTOR	Tandem - Tractor				05/24/2014 06:30	05/24/2014 16:20

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin	05/24/2014 06:30	05/24/2014 16:20		
Morris, Theodore	05/24/2014 06:30	05/24/2014 16:20		
Paiu, Corneliu	05/24/2014 06:30	05/24/2014 16:20		
Curtner, Jerry	05/24/2014 06:30	05/24/2014 16:20		
Wright, Isaac	05/24/2014 06:30	05/24/2014 16:20		

Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	May 24, 2014 06:30	Arrive On Location	---	--	--	--	--	0.00
		Remarks: arrived ahead of schedule						
2	May 24, 2014 06:50	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: talked about spotting trucks and rigging in						
3	May 24, 2014 11:00	Rig In	---	--	--	--	--	0.00
		Remarks: rig into 3rd party cement head and to rig water tanks						
4	May 24, 2014 11:45	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: signed their and our JSA						
5	May 24, 2014 11:46	Safety Meeting	---	--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
6	May 24, 2014 12:02	Start - Fluid	Water	2.00	300.0	--	2.00	2.00
		Remarks: filled lines for pressure test						
7	May 24, 2014 12:07	Pressure Test	Water	0.00	4,200.0	--	0.00	2.00
		Remarks: pressure tested lines and they held						
8	May 24, 2014 12:14	Pump	Water	4.00	790.0	--	20.00	22.00
		Remarks: pump our mudflush with sapp and ws-30						
9	May 24, 2014 12:22	Pump	Water	4.00	859.0	--	20.00	42.00
		Remarks: pump our visweep with wg-11						
10	May 24, 2014 12:28	Pump Spacer	Water	3.00	900.0	--	3.00	45.00
		Remarks: pump spacer between mudflush, visweep and our slurry						
11	May 24, 2014 12:30	Mix Cement	SanTail WB	5.00	1,500.0	--	102.00	147.00
		Remarks: mixed slurry at 13.5						
12	May 24, 2014 12:48	Stop	---	--	--	--	--	147.00
		Remarks: stop to clean out and drop the plug						



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Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
13	May 24,2014 12:50	Drop Plug	---	--	--	--	--	147.00
		Remarks: drop the plug						
14	May 24,2014 12:58	Pump Displacement	Water	5.20	1,700.0	--	136.00	283.00
		Remarks: bumped plug						
15	May 24,2014 13:47	Pump	Water	1.00	626.0	--	4.00	287.00
		Remarks: pumped 4 bbls to create a wet shoe						
16	May 24,2014 14:06	Pump	Water	7.00	1,300.0	--	170.00	457.00
		Remarks: rolled the hole clean and got 7 bbls back						
17	May 24,2014 14:14	Stop	---	--	--	--	--	457.00
		Remarks: stop and rigged our iron out						
18	May 24,2014 14:24	Wash	Water	2.00	150.0	--	20.00	477.00
		Remarks: washed the mix side up and do run backs						
19	May 24,2014 14:26	Rig Out	---	--	--	--	--	477.00
		Remarks: rig our iron and water hoses up						
20	May 24,2014 16:00	Pre-Departure Meeting	---	--	--	--	--	477.00
		Remarks: journey mangement						
21	May 24,2014 16:10	Job Complete	---	--	--	--	--	477.00
		Remarks: do walk around and check pins and things left out						
22	May 24,2014 16:20	Leave Location	---	--	--	--	--	477.00
		Remarks: go back to the yard						

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 7

Temperature (°F) : 75

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

258156

258129