



**Pumping
Service Report**

9191886

Client Name Whiting Petroleum Corp.	Well Name Razor 26I-2316B	Job Date May 10, 2014	Call Sheet 0
Client Representative Cole Orley	Location Sec 26:T10N:R58W	Job Type Intermediate Casing	Rig 26

Well Profile

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

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
8.750	0.000	0.000	6,045.000	--	--

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)
7.000	29.000	L-80	7,030.0	8,160.0	224.04	6.184	7.656	0.0	6,031.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	6031

Acids/Blends/Fluids :

Lead 1: 445 Sacks of 1-1-6 G, Density = 12.5 lb/gal, Volume Pumped = 149 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 75
Tail: 210 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 56 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water Based Mud	37.000	9.500	19.000	92.000	May 10, 2014 20:27
Water	0.000	8.340	0.000	--	May 11, 2014 02:19

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Guide/Float Shoe	6,031.000	Third Party
Float Collar	5,985.000	Third Party

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	7.000	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>
201191	PICKUP	1 Ton	449086	TRAILER	Utility Trailer	05/10/2014 19:31	05/11/2014 04:35
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/10/2014 19:31	05/11/2014 04:35
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	05/10/2014 19:31	05/11/2014 04:35
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor	05/10/2014 19:31	05/11/2014 04:35

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Joyner, Barlen	05/10/2014 19:31	05/11/2014 04:35		
Hardwick, Waco	05/10/2014 19:31	05/11/2014 04:35		
Young, Craig	05/10/2014 19:31	05/11/2014 04:35		
Durham, Adrian	05/10/2014 19:31	05/11/2014 04:35		
Peterson, Ryan	05/10/2014 19:31	05/11/2014 04:35		
Melgarejo Herrera, Eduardo	05/10/2014 19:31	05/11/2014 04:35		
Schroeder, Stephen	05/10/2014 19:31	05/11/2014 04:35		

Treatment Reports & Remarks



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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)
1	May 10, 2014 19:31	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	May 10, 2014 19:40	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	May 10, 2014 19:45	Wait On Instructions	---	0.00	0.0	0.0	0.00	0.00
		Remarks: Rig not ready for Sanjel						
4	May 10, 2014 00:10	Rig In	---	0.00	0.0	0.0	0.00	0.00
5	May 10, 2014 00:40	Safety Meeting	---	0.00	0.0	0.0	0.00	0.00
6	May 10, 2014 00:50	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
7	May 10, 2014 01:06	Pressure Test Lines	Water	0.00	4,180.0	0.0	0.00	0.00
8	May 10, 2014 01:08	Pump Preflush	Water	5.00	350.0	0.0	20.00	20.00
		Remarks: Viscsweep + barrite @ 10.5ppg						
9	May 10, 2014 01:20	Mix Cement	1-1-8 G	4.80	455.0	0.0	147.00	167.00
		Remarks: Batch up, weigh and pump 445 sx @ 12.5ppg (y-1.89/m-10.14)						
10	May 10, 2014 01:47	Mix Cement	1-1-0 G	4.70	257.0	0.0	54.00	221.00
		Remarks: Batch up, weigh and pump 210sx @ 13.5ppg (y-1.52/m-7.12)						
11	May 10, 2014 01:59	Drop Plug On The Fly	---	0.00	0.0	0.0	0.00	221.00
12	May 10, 2014 01:59	Pump Displacement	Water Based Mud	4.00	112.0	0.0	212.00	433.00
13	May 10, 2014 02:59	Decrease Pump Rate	Water Based Mud	2.50	797.0	0.0	10.00	443.00
14	May 10, 2014 03:02	Pumping Pressure Before Bump	Water Based Mud	2.50	816.0	0.0	0.00	443.00
15	May 10, 2014 03:02	Bump Plug	Water Based Mud	2.50	1,216.0	0.0	222.00	443.00
16	May 10, 2014 03:05	Check Float	Water Based Mud	0.00	0.0	0.0	0.00	443.00
		Remarks: Floats held						
17	May 10, 2014 03:06	Pressure Test	Water	0.00	2,092.0	0.0	0.00	443.00
		Remarks: Casing test						
18	May 10, 2014 03:36	Stop	---	0.00	0.0	0.0	0.00	443.00
		Remarks: End casing test						
19	May 10, 2014 03:10	Rig Out	---	0.00	0.0	0.0	0.00	443.00
20	May 10, 2014 04:10	Job Complete	---	0.00	0.0	0.0	0.00	443.00
21	May 10, 2014 04:20	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	443.00
22	May 10, 2014 04:35	Leave Location	---	0.00	0.0	0.0	0.00	443.00

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 10
 Temperature (°F) : 87
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes



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Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

46094

46095

Comments To Service Report

Job pumped according to prog and Customer's request. Job went good.



Service Ticket

9191886

Field Estimate

Client Name Whiting Petroleum Corp.			Well Name Razor 26I-2316B		Location Sec 26:T10N:R58W		Job Date May 10, 2014		
			Job Type Intermediate Casing		County Weld		Service Point Fort Lupton	Call Sheet 0	
Address 1700 Broadway, Suite. 2300			Client Representative Cole Orley		State CO		Pricing Area Area U		
City Denver		State CO	Postal Code 80290	Drilling Company		Rig No. 26		AFE/PO #	
District	Service, Equipment & Material Type			Disc	13	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge			60	13	1380	1	\$7.50	\$750.00
59	Service Charge 5001 to 6000 ft			60	13	1008	1	\$5,400.00	\$5,400.00
59	Twin Pumping			60	13	1150	1	\$1,080.00	\$1,080.00
59	Handling Service Charge			60	13	1480	768	\$3.30	\$2,534.40
59	Bulk Delivery / Return			60	13	1484	31	\$2.55	\$7,905.00
59	SAM Unit			60	13	1497	1	\$1,015.00	\$1,015.00
59	VISWEEP			60	13	3180	840	\$1.75	\$1,470.00
59	Barite			60	13	3230	2300	\$1.00	\$2,300.00
59	1-2-0			60	13	3012	455	\$25.00	\$11,375.00
59	CFL-4			60	13	3133	1	\$48.10	\$48.10
59	CFR			60	13	3160	79	\$14.10	\$1,113.90
59	Gel			60	13	3231	2348	\$1.00	\$2,348.00
59	LTR			60	13	3110	59	\$6.60	\$389.40
59	Polyflake			60	13	3247	114	\$5.00	\$570.00
59	1-1-0			60	13	3002	210	\$22.50	\$4,725.00
59	CFL-3			60	13	3132	122	\$13.20	\$1,610.40
59	SilFume			60	13	3233	1386	\$2.60	\$3,603.60
59	Gel			60	13	3231	347	\$1.00	\$347.00
59	LTR			60	13	3110	52	\$6.60	\$343.20
59	Polyflake			60	13	3247	53	\$5.00	\$265.00
59	CFR-5			60	13	3164	18	\$29.00	\$522.00
59	EnviroBag			60	13	1492	1	\$78.00	\$78.00
59	DF-3, Anti-foamer			60	13	3262	7	\$141.00	\$987.00
59	Environmental Surcharge			-	13	1493	1	\$50.00	\$50.00 *
59	Fuel Surcharge			-	13	2992	3	\$520.00	\$1,560.00 *
59	Sugar			-	13	2999	100	\$2.00	\$200.00 *
59	Add. Loc. Time (Twin) - Operating			-	13	1395	5	\$525.00	\$2,625.00 *
59	Bulk Standby Time			-	13	1398	4	\$285.00	\$1,140.00 *

**Service Ticket**

9191886

Field Estimate

<div>This Space Reserved for Client Coding Stamp</div>	* Not Subject to Discount		Field Estimate		Before Discount: \$56,355.00	
					Fuel Surcharge:	
					After Discount: \$25,887.00	
	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 Job pumped according to prog and Customer's request. Job went good.				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		



Service Ticket

9191886

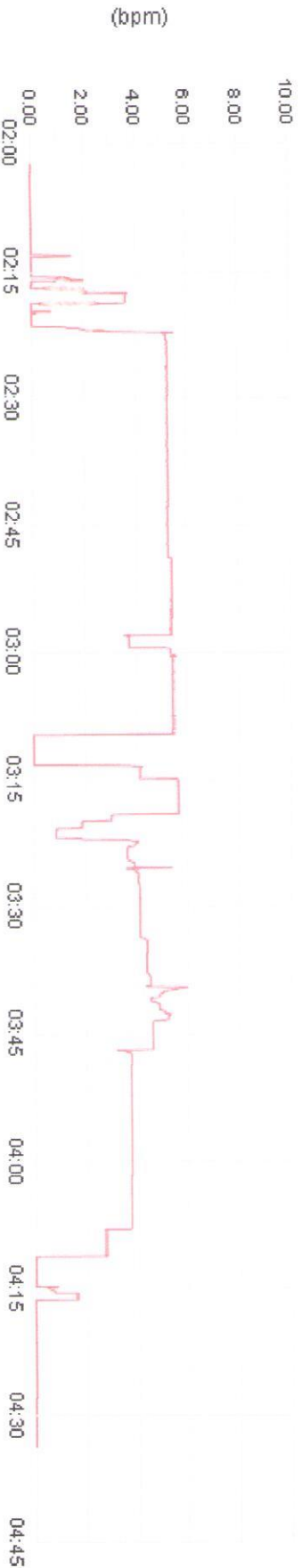
Field Estimate

Terms & Conditions

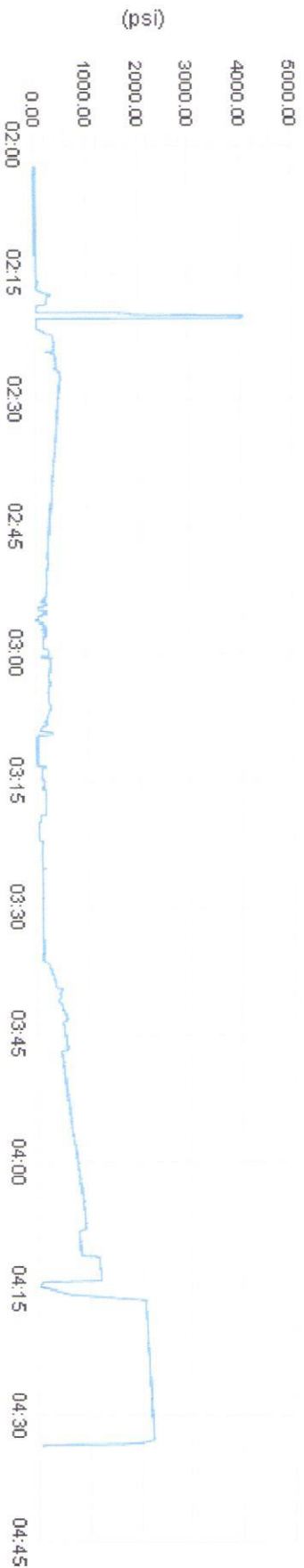
1. **Agreement for Services.** Sanjel (USA) Inc. ("Sanjel") and the customer for whom Sanjel is providing the Services ("Customer"), (collectively, the "Parties"), expressly understand and agree that the terms and conditions in this agreement (the "Agreement") shall govern and control the provision of 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.

Client	Whiting	Client Rep	ColeOryles	Supervisor	Joyner
Ticket No.	9191886	Well Name		Unit No.	445032
Location	sec26:t10n:r58w	Job Type	Intermediate Casing	Service District	505
Comments	445sx @ 12.5ppg & 210sx @ 13.5ppg			Job Date	05/11/2014

Unit 445032 Rate Total



Unit 445032 Pump Pressure



Unit 445032 Density

