



Service Ticket

9211075

Field Estimate

Client Name Great Western Oil & Gas Company			Well Name Detterer 34-24		Surface Well Location SW SE Sec 24:T6N:R67W		Job Date April 07, 2016	
			Job Type Abandonment Plugs		Down Hole Location		Service Point Fort Lupton	Call Sheet 1065908
Address PO Box 3445			Client Representative Mr. Mike Cole		State CO	County Weld	Pricing Area Northern US	
City Coppell	State TX	Postal Code 75019	Drilling Company HWS		Rig No. 39		AFE/PO #	

District	Service, Equipment & Material Type	Disc	SL	Code	Quantity/Unit	Unit Price	Amount	
D505	Travel Charge - All Units Unless Otherwise Specified (1 Unit (s) X 60 miles)	60	13	111380	60	\$7.50	\$450.00	
D505	Remedial & Liner Cementing - Base Charge 3001 to 4000 ft	60	13	111133	1	\$5,250.00	\$5,250.00	
D505	Remedial Twin Unit Surcharge	-	13	112999	1	\$1,050.00	\$1,050.00	*
D505	Bulk Handling Service Charge	60	13	111480	595	\$3.30	\$1,963.50	
D505	Bulk Delivery / Return Charge (23.7 Unit(s) X 60 miles)	60	13	111484	1422	\$2.55	\$3,626.10	
D505	SAM Unit	60	13	111497	1	\$1,015.00	\$1,015.00	
D505	Class G Cement	60	13	113000	595	\$38.40	\$22,848.00	
D505	Cement Dust EnviroBag	60	13	111492	1	\$78.00	\$78.00	
D505	CDF-3L Cement Defoamer	60	13	113262	4	\$141.00	\$564.00	
D505	Sugar - Cement Retarder	-	13	113266	200	\$2.00	\$400.00	*
D505	Environmental Surcharge	-	13	111493	1	\$50.00	\$50.00	*
D505	Fuel Surcharge	-	13	112340	2	\$400.00	\$800.00	*

<p>* Not Subject to Discount</p> <p>Field Estimate</p> <p>FOR OFFICE USE ONLY</p> <table border="1"> <tr> <td><input checked="" type="checkbox"/> Cementing - Prim</td> <td><input type="checkbox"/> Cementing -Rem.</td> <td><input type="checkbox"/> Code 9000</td> </tr> <tr> <td><input type="checkbox"/> Coiled Tubing</td> <td><input type="checkbox"/> Nitrogen</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Acidization</td> <td><input type="checkbox"/> Fracturing</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Industrial Services</td> <td><input type="checkbox"/> MPCT</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> <td></td> </tr> </table> <p>This Space Reserved for Client Coding Stamp</p>	<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			<p>Before Discount: \$38,094.60</p> <p>Discount Amount: \$21,476.76</p> <p>Net Amount: \$16,617.84</p>
	<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																
<p>Comments</p> <p>Job went well, all Sanjel equipment and personel performed as planned. 1st Plug, Pumped 5 BBL established circulation, Mix/Pumped 50 Sacks (10.2 BBL) @ 15.8 PPG, 1.15 Yield, 4.98 Water Req, 94 Sack Weight. Displaced 12.1 BBL to leave 1 BBL ontop of retainer. 500 PSI Casino test for 15 Minutes.</p>																
<p>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.</p> <p>X</p>																
<p>Field Sales 1 Sales 2</p>																

General Terms and Conditions

Under these terms and conditions ("T&Cs") Sanjel (USA) Inc. ("Sanjel") agrees to provide, and you agree to purchase, the goods and services in the attached proposal or work order ("goods," "services" or "goods and services"). You understand and agree that the T&Cs govern and control the provision of all goods or services Sanjel provides to you, including any goods or services Sanjel provides or performs under written or oral requests for goods or services. You accept the T&Cs by informing Sanjel or allowing Sanjel to provide goods and services, whichever is first. You cannot change the T&Cs, and Sanjel rejects any proposals on your forms or otherwise. When used in the T&Cs, "we," "us," and "our" refer to both you and Sanjel, collectively.

1. **Entire Agreement.** If we have signed an agreement applicable to the goods and services, that agreement will apply and the T&Cs do not. If no signed agreement exists between us, the T&Cs are our entire agreement for the goods and services, and no prior discussion, agreement, conduct, or industry practice will affect them. The T&Cs may not be changed, superseded or replaced by any other agreement (including any terms in a purchase order, service order, invoice or other similar document) unless specifically agreed by each of us in writing.

2. **Acknowledgment.** You understand that interpretations, research, analysis, advice or interpretational data furnished by Sanjel ("Recommendations") are opinions based on inferences from measurements, empirical relationships and assumptions and industry practice and that Recommendations are not infallible, and the opinions of professional geologists, engineers, drilling consultants and analysts may differ. Sanjel does not warrant the accuracy, correctness, or completeness of the Recommendations, or that your or any third party's reliance on the Recommendations will accomplish any particular results. You assume full responsibility for the use of and decisions based on the Recommendations, and you hereby agree to release, defend, indemnify and hold Sanjel harmless from Claims arising from the use of the Recommendations.

3. **Payment.** You will pay Sanjel at the rates in the applicable proposal or work order (which are good for 90 days) in US dollars within 30 days of performance or a correct invoice, whichever is later. Sanjel may charge interest at 18% per year on all overdue amounts, and you will bear all costs of collection of overdue accounts, including legal fees.

4. **Services.** You acknowledge and agree that the services Sanjel may perform are of such a nature that results cannot be guaranteed, and Sanjel makes no representations, warranties or guarantees with respect to the results of the services. Sanjel's only warranty with regard to the services is that they will conform to the material aspects of the applicable scope of work.

5. **Goods.** Sanjel may provide goods to you under the T&Cs or in connection with the services. Sanjel warrants that goods will (a) substantially conform to the applicable scope of work (b) be free of defects and of good quality and workmanship, and (c) not be subject to any liens, claims or encumbrances. There are no warranties, express or implied, of merchantability, use, and fitness that extend beyond those expressly stated herein.

6. **Warranty Remedies.** Sanjel will re-perform any non-conforming services if Sanjel is notified before leaving the work site, and will repair or replace any non-conforming or defective goods you notify Sanjel of within 30 days after Sanjel provided them to you free of charge. If Sanjel is unable to repair the non-conforming services, Sanjel will reimburse you for costs of a third party to repair such services, up to 10% of the original work order for such services. If fishing services are required to retrieve goods, Sanjel may specify the provider and be present during recovery. The remedies will not apply if damage is caused by: (i) your failure to properly store or maintain the goods, (ii) abnormal well conditions, abrasive materials, corrosion due to aggressive fluids or incorrect specifications, (iii) unauthorized alteration or repair of the goods, (iv) loss of goods while on your site due to your or any third party's negligence, vandalism or force majeure, (v) Sanjel's lack of or incorrect information regarding well conditions, or (vi) use or handling of the goods in a manner inconsistent with Sanjel's recommendations. Sanjel's warranty obligations will terminate if you fail to perform your obligations, including your failure to pay on time.

7. **Delay and Cancellation.** If Sanjel cannot provide goods or services to you due to circumstances beyond its control, Sanjel may charge you actual costs incurred, including but not limited to: mileage; blending; materials (including handling and hauling); return delivery and restocking charges; and all location time in excess of the location time allowance. Orders for goods or services that you cancel after Sanjel has procured the required materials may be subject to a 25% restocking fee. If Sanjel provides materials to your specifications and you cancel for any reason (including an uncontrollable event) you will be charged a cancellation fee plus actual costs incurred as a result of such cancellation.

8. **Taxes.** Prices are exclusive of any municipal, state, federal, special or use taxes or levies imposed on the sale of goods or services. You will be responsible for all

taxes applicable to the provision of the goods or services.

9. **Additional Services Requests.** You will pay for services, equipment or materials not listed in a proposal but purchased or rented by Sanjel at your request at cost plus 25%. Sanjel has no liability to you for such services, equipment or materials.

10. **Proprietary Rights.** You acknowledge that any intellectual property Sanjel uses in connection with the T&Cs, or that is created or developed by Sanjel in the course of performing under the T&Cs, is the property of Sanjel at all times, and you understand that you are not entitled to any intellectual property rights in any of Sanjel's intellectual property, except as required to receive the benefit of the goods or services.

11. **Confidentiality.** Any non-public information that we learn about each other in connection with the T&Cs, including our relationship, is confidential information of the disclosing party, and neither of us may disclose confidential information of the other to any third party without the prior written consent of the disclosing party. We may each use confidential information of the other to perform under the T&Cs, and may share it only on a need-to-know basis with employees.

12. **Indemnity.** (A) Subject to Section 12(b) below, each of us ("Indemnitor") hereby agrees to release, defend, indemnify and hold the other, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier ("Indemnitee Group") harmless for all losses, claims, demands, causes of action, costs and expenses (including reasonable legal fees) (collectively, "Claims"), for personal injury, death and property damage to Indemnitor, its affiliates, officers, directors, agents, partners, joint venturers, employees and contractors of every tier arising out of or incident to the T&Cs or any goods or services provided hereunder, without regard to whether such Claim is caused, in whole or in part, by the negligence (whether sole, joint or concurrent, active or passive), contractual liability or other fault of any member of the Indemnitee Group or by any defect or pre-existing condition (whether known or unknown, patent or otherwise). (B) You hereby agree to release, defend, indemnify and hold Sanjel harmless for any Claims Sanjel may suffer or incur 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 surface of the earth and emanating from Sanjel's equipment while in Sanjel's care, custody and control), and loss or damage to Sanjel's (or its contractors') equipment while down the hole at new replacement value; even if caused in whole or in part by the sole, joint or concurrent negligence or other fault of Sanjel or any other person.

13. **Consequential Damages Exclusion:** Notwithstanding anything to the contrary, neither of us will be liable to the other for business interruptions, punitive, indirect or consequential damages relating to the goods or services (including but not limited to any loss of profit, loss of expected revenue, loss of hydrocarbons or loss of rig time).

14. **Disposal of Chemicals.** You will arrange and be responsible for the disposal of any used chemicals and hazardous materials related to the goods or services.

15. **Insurance.** Each of us will maintain, at its own cost, commercial general liability insurance covering its indemnification obligations under the T&Cs with combined single limits of at least \$5,000,000 per occurrence and in the aggregate, worker's compensation coverage as and in amounts required by applicable law, and automobile liability coverage with a combined single limit of \$2,000,000. We will obtain insurance from carriers with AM Best ratings of at least A-VII (or equivalent), ensure the other party is named as an additional insured, and ensure that our carriers waive rights of subrogation against the other party.

16. **Uncontrollable Events.** Except for payment obligations, if either of us is unable to comply with the T&Cs because of events beyond our reasonable control, we will promptly notify the other in writing and will make reasonable efforts to restore our ability to perform as soon as possible. If the inability to perform continues for more than 10 days, the other party may cancel the applicable job immediately, by giving written notice to the affected party.

17. **Waiver.** Failure to enforce any or all of the T&Cs will not relieve either party of its rights or obligations or constitute a waiver or prevent further enforcement.

18. **Assignment.** You will not assign any of your rights or obligations under this PO without Sanjel's approval, which Sanjel may not unreasonably withhold. Any assignment in violation of this provision will be null and void.

19. **Governing Law.** We agree that the laws of the State of Colorado govern the T&Cs, without the application of choice of law rules. Each of us voluntarily submits 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 the T&Cs.

April 2014



9211075

Client Name Great Western Oil & Gas Company	Well Name Detterer 34-24	Rig HWS 39	Job Date April 07, 2016	Call Sheet 1065908
Client Representative Mr. Mike Cole	Surface Well Location SW SE Sec 24:T6N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Doran, Benjamin (27933)

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										
<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>
12.250		—		582.000		3,520.000		—		
Casing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
8.625	24.000	---	—	—	—	—	--	0.0	582.0	
4.500	11.600	—	—	—	—	—	—	0.0	3,520.0	
Tubing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>		<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)		(bbl)	(in)	(in)	(ft)	(ft)	
2.375	4.700	J-55	8,100.000		13.070	1.995	2.910	0.000	3,381.000	

Products	
Stage 1	
From Depth (ft):	3488
To Depth (ft):	3520
Acids/Blends/Fluids :	
Tail: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 10.2 (bbl)	
Water Temperature(*F) = 65 , Bulk Temperature(*F) = 65 , Slurry Temperature(*F) = 70	
Stage 2	
From Depth (ft):	0
To Depth (ft):	1225
Acids/Blends/Fluids :	
Tail: 440 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 90 (bbl)	
Water Temperature(*F) = 65 , Bulk Temperature(*F) = 65 , Slurry Temperature(*F) = 70	
Stage 3	
From Depth (ft):	0
To Depth (ft):	1225
Acids/Blends/Fluids :	
Tail: 90 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 18.4 (bbl)	
Water Temperature(*F) = 65 , Bulk Temperature(*F) = 65 , Slurry Temperature(*F) = 70	
Stage 4	
From Depth (ft):	0
To Depth (ft):	200
Acids/Blends/Fluids :	
Tail: 15 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 3 (bbl)	
Water Temperature(*F) = 65 , Bulk Temperature(*F) = 65 , Slurry Temperature(*F) = 70	

Fluid & Cement Data					
Expected Cement Top:		Surface			
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	—	—	—	—	Mar 24, 2015 15:22

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>
200925	PICKUP	1 Ton				04/07/2016 06:45	04/07/2016 17:30
446114	TRAILER	Bulker	746114	TRACTOR	Tandem - Tractor	04/07/2016 06:45	04/07/2016 17:30
740004	BODY JOB	C & A				04/07/2016 06:45	04/07/2016 17:30
746502	BODY JOB	Baby Bulker				04/07/2016 06:45	04/07/2016 17:30

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Doran, Benjamin (27933)	04/07/2016 06:45	04/07/2016 17:30		
Davila, Israel (28152)	04/07/2016 06:45	04/07/2016 17:30		
Johnson, Jakob (30073)	04/07/2016 06:45	04/07/2016 17:30		
Peterson, Ryan (28158)	04/07/2016 06:45	04/07/2016 17:30		

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	Apr 07, 2016 06:45	Arrive On Location		—	—	—	—	0.00
2	Apr 07, 2016 06:50	Crew Briefing (Rig in)		—	—	—	—	0.00
3	Apr 07, 2016 08:25	Rig in Complete		—	—	—	—	0.00
4	Apr 07, 2016 08:30	Crew Briefing (Pre Job)		—	—	—	—	0.00
5	Apr 07, 2016 08:51	Pressure Test Start	Water	1.50	500.0	—	1.00	0.00
		Remarks: Fill lines						
6	Apr 07, 2016 08:53	Pressure Test Complete	Water	—	3,000.0	—	—	0.00
		Remarks: All lines held pressure						
7	Apr 07, 2016 08:54	Establish Circulation	Water	2.00	900.0	—	5.00	0.00
8	Apr 07, 2016 08:56	Mix Cement	0-1-0 G	2.00	500.0	—	10.20	0.00
		Remarks: Mix/Pump 50 Sacks @ 15.8 PPG, 1.15 Yield, 4.98 Water Req, 94 Sack Weight						
9	Apr 07, 2016 09:05	Displace Fluid	Water	2.00	300.0	—	12.10	0.00
		Remarks: Leave 1 BBL on top of retainer						
10	Apr 07, 2016 09:11	Pressure Test	Water	—	500.0	—	—	0.00
		Remarks: 15 Minute Casing Test						
11	Apr 07, 2016 09:30	Wash	Water	—	—	—	14.00	0.00
12	Apr 07, 2016 09:50	Wait On Instructions		—	—	—	—	0.00
13	Apr 07, 2016 13:02	Pump	Water	2.00	200.0	—	1.00	0.00
		Remarks: Fill lines						
14	Apr 07, 2016 13:03	Pressure Test	Water	—	2,000.0	—	—	0.00
		Remarks: All lines held pressure						
15	Apr 07, 2016 13:04	Establish Circulation	Water	2.00	100.0	—	3.00	0.00
16	Apr 07, 2016 13:09	Mix Cement	0-1-0 G	2.00	300.0	—	90.00	0.00
		Remarks: Mix/Pump 440 Sacks @ 15.8 PPG						
17	Apr 07, 2016 13:57	Displace Fluid	Water	2.00	400.0	—	1.50	0.00
18	Apr 07, 2016 14:01	Pull Pipe		—	—	—	—	0.00
		Remarks: Pull out tubing/ remove setting tools & Stinger, Trip back into hole						
19	Apr 07, 2016 14:10	Wash	Water	—	—	—	15.00	0.00
20	Apr 07, 2016 14:30	Wait on Cement		—	—	—	—	0.00
		Remarks: Wait for 200 SX of cement to be delivered						
21	Apr 07, 2016 15:28	Pump	Water	1.00	100.0	—	1.00	0.00
		Remarks: Fill lines						
22	Apr 07, 2016 15:29	Pressure Test	Water	—	1,500.0	—	—	0.00
23	Apr 07, 2016 15:31	Mix Cement	1-1-0 G	2.00	250.0	—	18.40	0.00
		Remarks: Mix/Pump 90 Sacks @ 15.8 PPG, 1.15 Yield, 4.98 Water Req, 94 Sack Weight						
24	Apr 07, 2016 15:41	Pull Pipe		—	—	—	—	0.00
		Remarks: Pull out of hole						
25	Apr 07, 2016 16:07	Mix Cement	1-1-0 G	1.00	20.0	—	3.00	0.00
		Remarks: Top off well						
26	Apr 07, 2016 16:22	Wash	Water	—	—	—	15.00	0.00
27	Apr 07, 2016 16:50	Rig Out		—	—	—	—	0.00
28	Apr 07, 2016 17:15	Job Complete		—	—	—	—	0.00
29	Apr 07, 2016 17:30	Leave Location		—	—	—	—	0.00

Treatment Reports & Remarks

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 2

Temperature (°F) : 70

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

67205

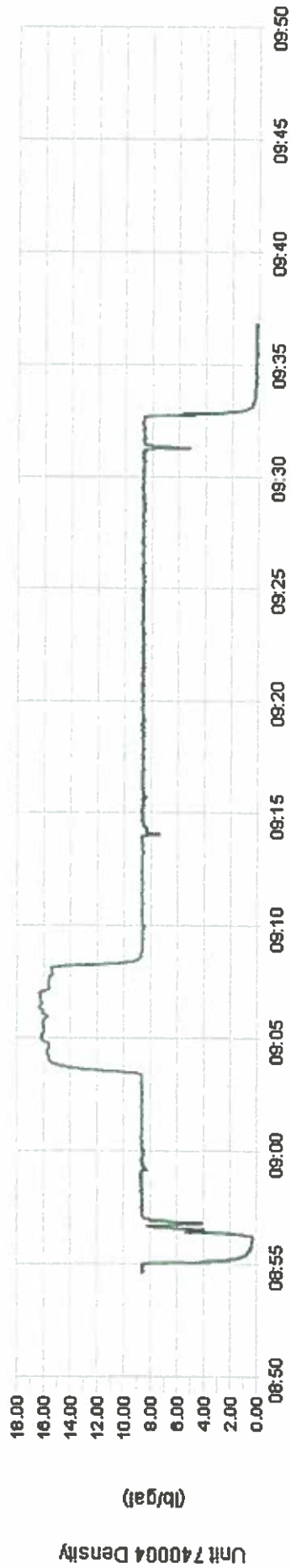
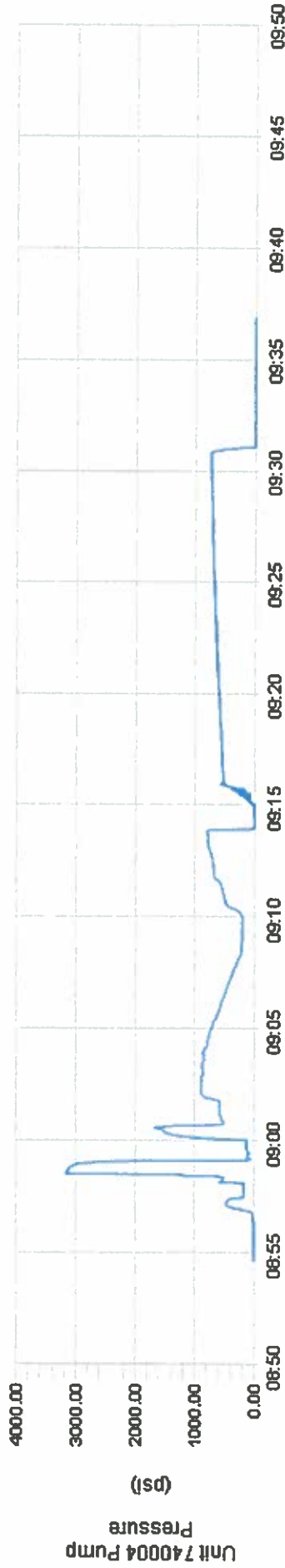
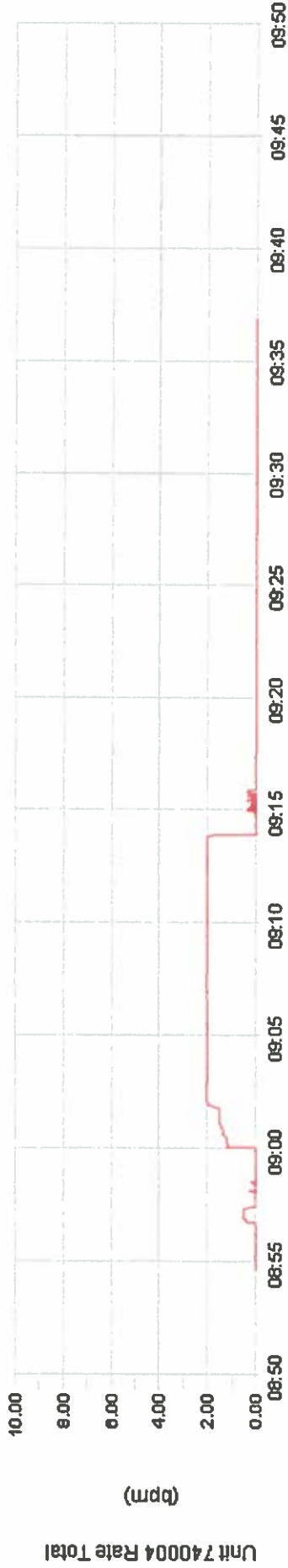
67209



Client
Ticket No. 9211075
Location SW SE Sec24; T6N; R67W
Comments Pump job as per design

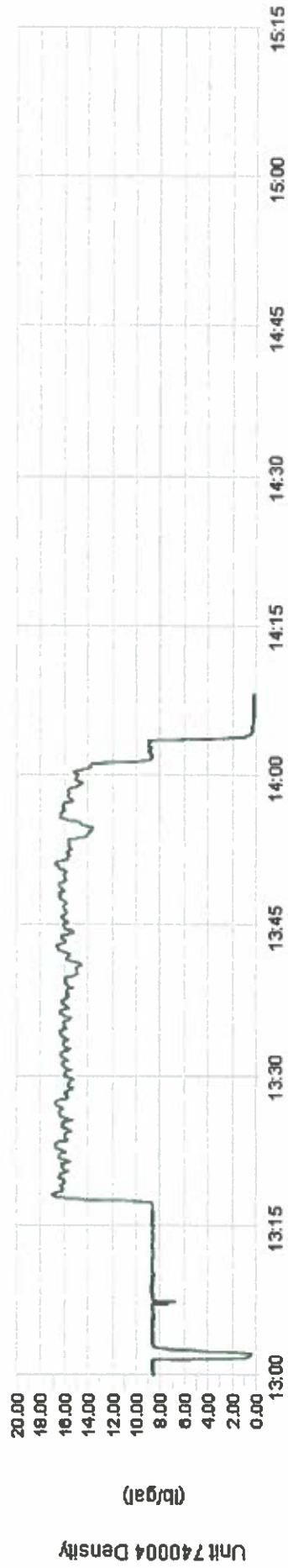
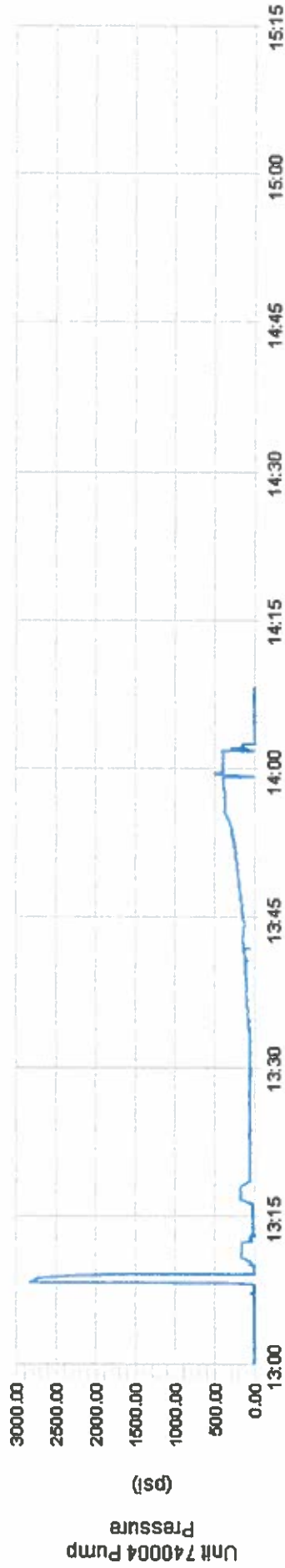
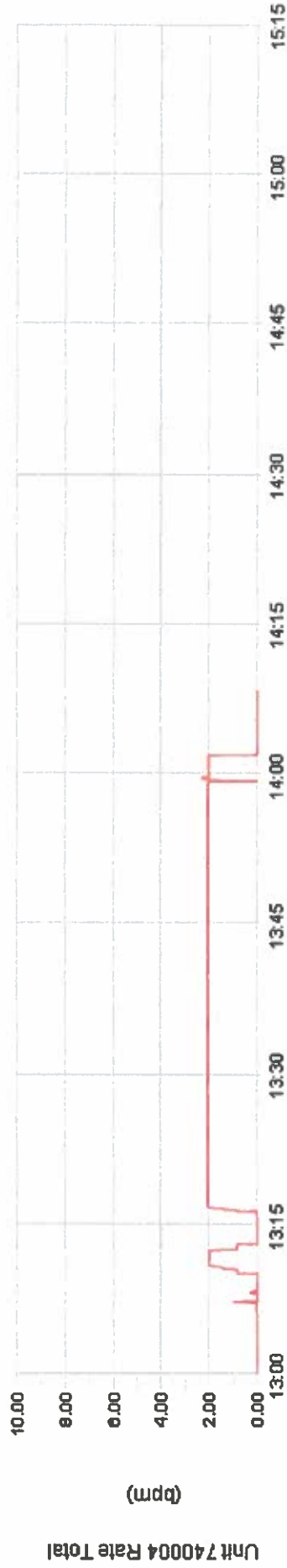
Client Rep
Well Name Detterer 34-24
Job Type Abandonment Plugs

Supervisor Ben Doran
Unit No. 740004
Service District 505
Job Date 04/07/2018





Client	Great Western Oil & Gas	Client Rep	Mike Cole	Supervisor	Ben Doran
Ticket No.	9211075	Well Name	Detterer 34-24	Unit No.	740004
Location	SW SE Sec24: T6N.R67W	Job Type	Abandonment Plugs	Service District	505
Comments	Pump job as per design			Job Date	04/07/2018





Client	Great Western Oil & Gas	Supervisor	Ben Doran
Ticket No.	9211075	Unit No.	740004
Location	SW SE Sec24: T6N: R67W	Service District	505
Comments	Pump job as per design	Job Date	04/07/2016
Client Rep	Mike Cole		
Well Name	Detterer 34-24		
Job Type	Abandonment Plugs		

