



# **OH Plug / Fox Hills / Surface Plug Cement Post Job Report**

Prepared For: Mr. Larry Webb  
Prepared Date: 9/28/2017  
Job Date: 9/27/2017

**Ensign Drilling**

**Brnak #32-10**

**Weld County, Colorado**

Prepared By: Paul Novotny  
Phone: (720) 441-9745  
Email: paul.novotny@otexpumping.com

<b>O-Tex</b> Pumping, LLC		<b>Job Summary</b>		Ticket Number TN# FL2363		Ticket Date 9/27/2017																																																	
COUNTY		COMPANY		API Number																																																			
Weld		Ensign Drilling		05-123-10916																																																			
WELL NAME		RIG		JOB TYPE																																																			
Brnak #32-10		Ensign 330		OH Plug / Fox Hills / Surface Plug																																																			
SURFACE WELL LOCATION		O-TEX Field Supervisor		CUSTOMER REP																																																			
1N - 64W - 10		Svoboda, Milo		Justin Pivik / Larry Webb																																																			
EMPLOYEES																																																							
Brannon, Jeffrey																																																							
Chapman Goodman, Donald		Clark, John																																																					
WELL PROFILE																																																							
Max Treating Pressure (psi):		1500		Bottom Hole Static Temperature (°F):		0																																																	
Bottom Hole Circulating Temperature (°F):				Well Type:		Oil																																																	
Open Hole																																																							
<table border="1"> <tr> <td>1</td> <td>Size (in)</td> <td>TMD From (ft)</td> <td>TMD to (ft)</td> <td>TVD From (Ft)</td> <td>TVD to (Ft)</td> </tr> <tr> <td></td> <td>7.88</td> <td>118</td> <td>2040</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Size (in)</td> <td>TMD From (ft)</td> <td>TMD to (ft)</td> <td>TVD From (Ft)</td> <td>TVD to (Ft)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)		7.88	118	2040			2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)																														
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Casing/Tubing/Drill Pipe																																																							
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CEMENT DATA																																																							
<b>Stage 1:</b> From Depth (ft): 1800 To Depth (ft): 2040 Type: <b>Open Hole Plug</b> Volume (sacks): 75 Volume (bbls): 15.5 Cement & Additives: Density (ppg) Yield (ft³/sk) Water Req. 100% Class G+1% CaCl₂+0.3% CFL-3+0.1% CFR-5 15.8 1.16 4.97																																																							
<b>Stage 2:</b> From Depth (ft): 1200 To Depth (ft): 1300 Type: <b>Fox Hills Plug</b> Volume (sacks): 50 Volume (bbls): 10.3 Cement & Additives: Density (ppg) Yield (ft³/sk) Water Req. 100% Class G+1% CaCl₂+0.3% CFL-3+0.1% CFR-5 15.8 1.16 4.97																																																							
<b>Stage 3:</b> From Depth (ft): 1120 To Depth (ft): 1200 Type: <b>Surface Plug</b> Volume (sacks): 25 Volume (bbls): 5 Cement & Additives: Density (ppg) Yield (ft³/sk) Water Req. 100% Class G+1% CaCl₂ 15.8 1.16 5.00																																																							
<b>Stage 4:</b> From Depth (ft): 0 To Depth (ft): 155 Type: <b>Extra Cement</b> Volume (sacks): 60 Volume (bbls): 12.4 Cement & Additives: Density (ppg) Yield (ft³/sk) Water Req. 100% Class G+1% CaCl₂ 15.8 1.16 5.00																																																							
SUMMARY																																																							
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Job Notes (fluids pumped / procedures / tools / etc.):		Pump as per customer request. 1st plug in open hole tag @ 1800'. 2nd plug tag @ 1200'. Pump another 25 sks on top. Surface plug cement to surface.																																																					
Customer Representative Signature:		Thank You For Using <b>O - TEX Pumping</b>																																																					

<div><div>O-Tex</div><div>Pumping, LLC</div></div>					<b>CEMENTING JOB LOG</b>		Project Number	Job Date		
							FL2363	9/27/2017		
O-Tex Location				Customer				State	County	
Brighton, Colorado 303-857-7948				Ensign Drilling				Colorado	Weld	
Lease Name		Well No.		O-Tex Field Supervisor				Customer Representative		Phone
Brnak #32-10				Svoboda, Milo				Justin Pivik / Larry Webb		303.653.6457
Job Type				Man Hours				API Number		
OH Plug / Fox Hills / Surface Plug				75.6				05-123-10916		
USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.										
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.										
DATE	TIME	VOLUME	RATE	PRESS		JOB PROCEDURES				
				CSG	Tbg.					
9/26/2017	17:40					Arrive on location				
	18:00					Tailgate meeting				
	19:00					Rig in				
	21:10					JSA with OSR, rig crew				
	21:39	1	bbl	1.50		75	Fill line			
	21:42					3100	Pressure test			
	21:45	20	bbl	2.00		275	Pump fresh - good returns			
	21:56	15.5	bbl	2.00		200	Mix slurry @ 15.8 ppg			
	22:02	9	bbl	2.00		150	Displace fluid			
	22:09					0	Balance plug			
	22:40	10	bbl	2.00		150	Pump fresh - circulate tubing			
	22:50						Wash up pump - wait on instruction			
9/27/2017	4:16	8	bbl	2.00		250	Rig in - establish circulation			
	4:20	10.3	bbl	2.00		200	Mix slurry @ 15.8 ppg			
	4:27	5	bbl	2.00		55	Displace fluid			
	4:30					0	Balance plug			
	4:45						Wash up pump - wait on instruction			
	9:42	5	bbl	2.00		200	Establish circulation			
	9:46	5	bbl	2.00		260	Mix slurry @ 15.8 ppg			
	9:49	5	bbl	2.00		55	Displace fluid			
	9:52					0	Balance plug			
	10:00						Wait on instruction			
	10:39	14	bbl	1.50		30	Pump fresh			
	10:45	12	bbl	1.00		35	Mix slurry @ 15.8 ppg			
	10:56						Cement to surface			
	11:20						Wash up pump			
	11:45						Rig out			
	12:00						Job complete			
	12:15						Pre-departure meeting - AAR			
	12:30						Leave location			
JOB CALCULATIONS										
1st plug @ 2040' - soft tag @ 1800'										
2nd plug @ 1300' - soft tag @ 1200'										
pump extra 25sks on top of 2nd plug										
surface plug - cement to surface										
CASING DATA										
ANNULAR DATA										
PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW										
Job pumped as per customer request. Job went well no issue to report.										

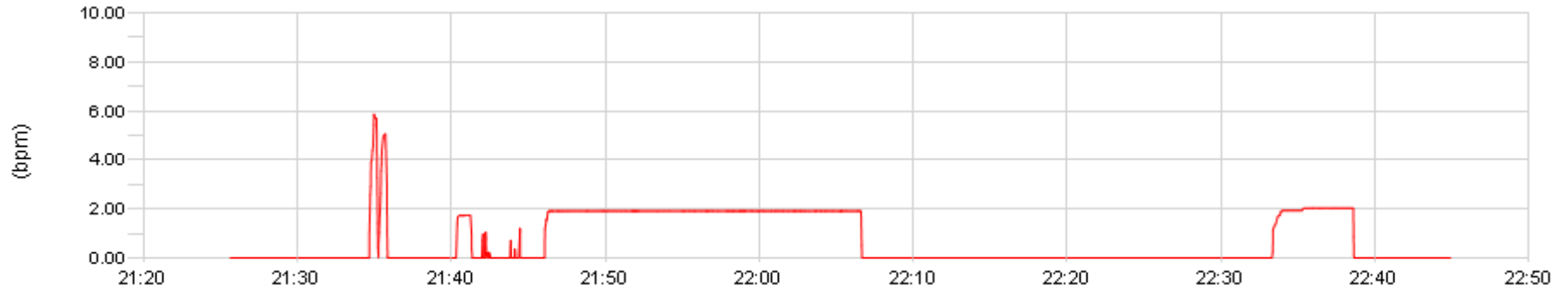


Client Ensign  
Ticket No. 2363  
Location 1N 64W 10  
Comments pump as per customer request

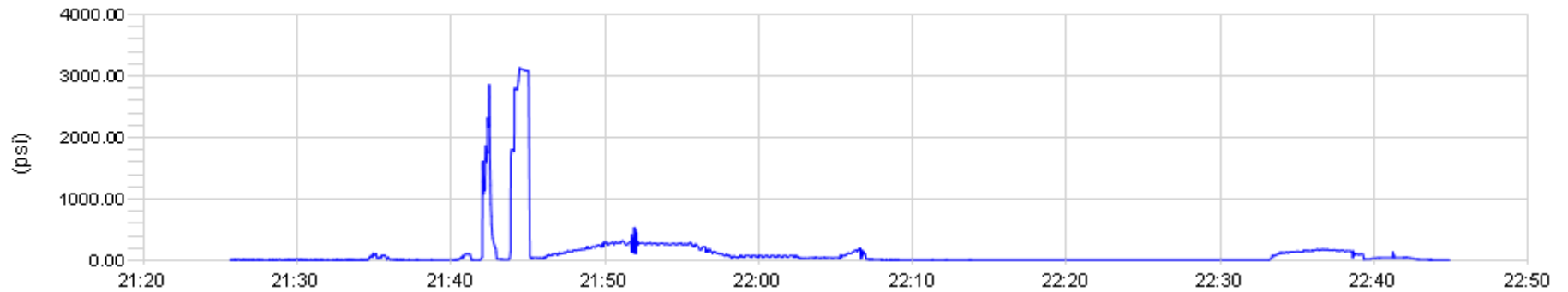
Client Rep Mike  
Well Name Brnak # 32-10  
Job Type Abandonment Plugs

Supervisor Milo Svoboda  
Unit No. 445046  
Service District Brighton, CO  
Job Date 09/26/2017

Unit 445046 Rate Total



Unit 445046 Pump Pressure



Unit 445046 Density

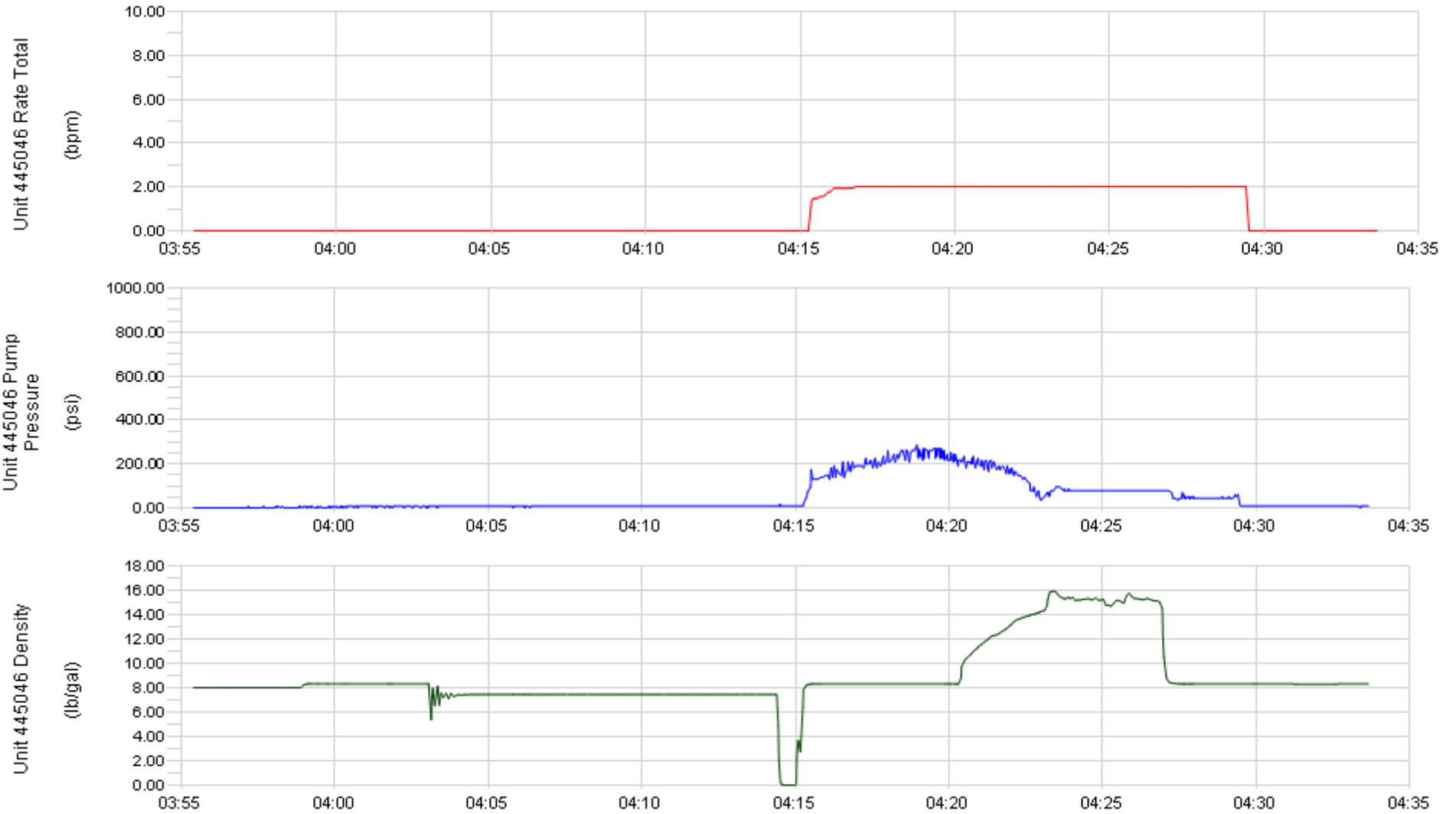




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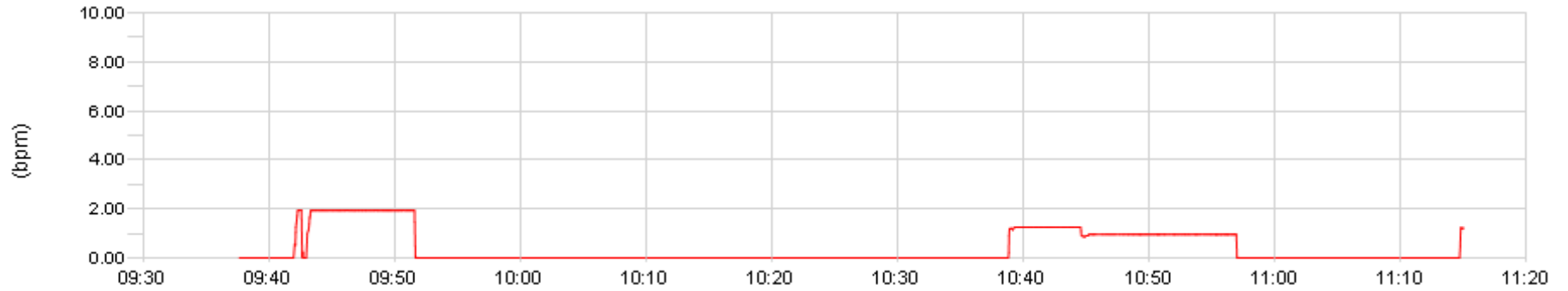


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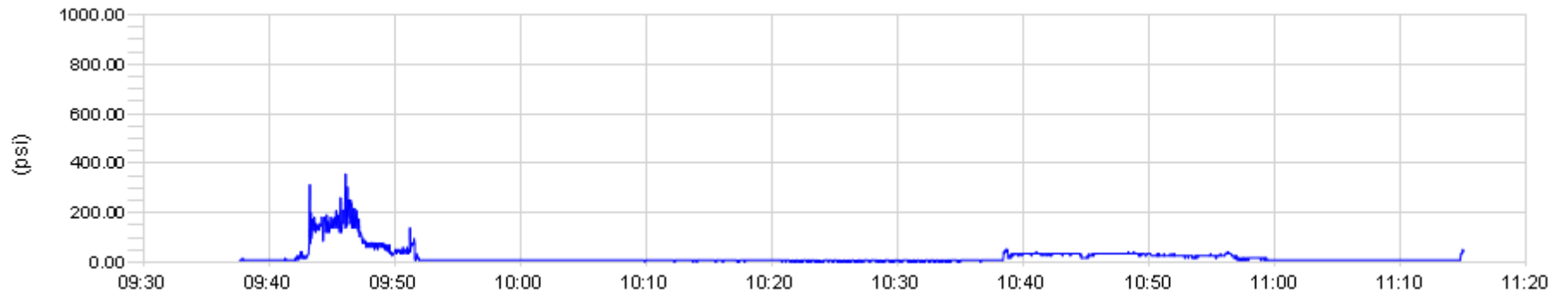
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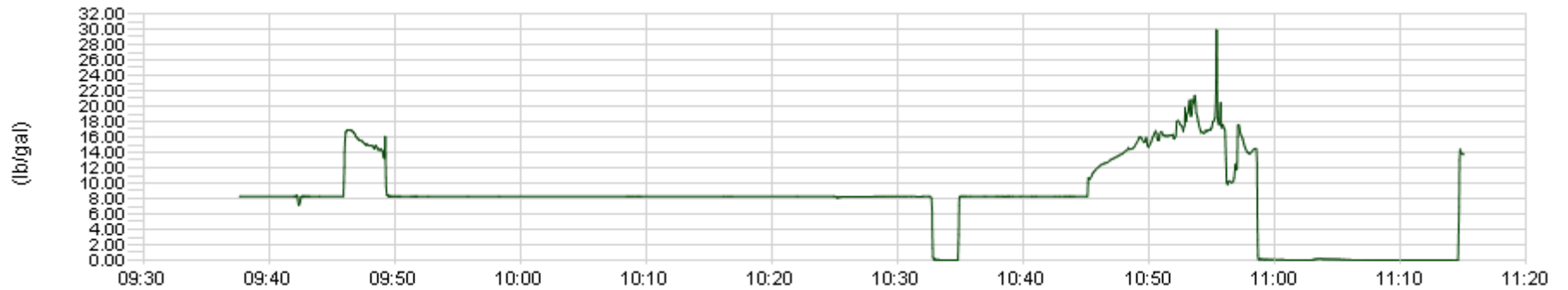
Unit 445046 Rate Total



Unit 445046 Pump Pressure



Unit 445046 Density





**TN #                      FL2363**

<b>Service Date:</b>	<b>9/27/2017</b>
<b>Customer:</b>	<b>Ensign Drilling</b>
<b>Address:</b>	<b>410 17th Street Suite 1200</b>
<b>City:</b>	<b>Denver</b>
<b>St:</b>	<b>CO 80202</b>
<b>Customer Rep:</b>	<b>Justin Pivik / Larry Webb</b>

<b>Well Name:</b>	<b>Brnak #32-10</b>
<b>County:</b>	<b>Weld</b>
<b>State:</b>	<b>Colorado</b>
<b>API #</b>	<b>05-123-10916</b>
<b>AFE #</b>	

<b>Job Type:</b>	<b>OH Plug / Fox Hills / Surface</b>
<b>Service Supervisor:</b>	<b>Svoboda, Milo</b>
<b>Pump #1</b>	<b>445046</b>
<b>Pump #2</b>	

[illegible]

**I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.**

**Customer Authorized Agent:** \_\_\_\_\_