



Job Summary

Ticket Number	Ticket Date
TN# FL2154	8/6/2017

COUNTY	COMPANY	API Number
Weld	Ensign Drilling	05-123-09568
WELL NAME	RIG	JOB TYPE
Crystal State 55-8	Ensign 330	Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 8 T3N R62W	Doran, Ben	Andrew Peetom

EMPLOYEES		
Peterson, Ryan		
Omar		
Seniours, David	Kopp, Jeff	

WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole					
1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.875	468	5500		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe							
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24	J-55	0	468		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.875	7.9		0	5500		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	5300	To Depth (ft):	5500
Type: Plug 1	Volume (sacks):	60	Volume (bbls):	12.3
Cement & Additives:				
100% Class G+0.3% CFL-3+0.3% CFR-2				
	Density (ppg)	15.8	Yield (ft ³ /sk)	1.15
	Water Req.			4.96

Stage 2:	From Depth (ft):	0	To Depth (ft):	504
Type: Plug 2	Volume (sacks):	120	Volume (bbls):	29.3
Cement & Additives:				
100% Class C+0.3% CFL-3+0.3% CFR-2				
	Density (ppg)	14.6	Yield (ft ³ /sk)	1.37
	Water Req.			6.61

Stage 3:	From Depth (ft):	0	To Depth (ft):	504
Type: Plug 2	Volume (sacks):	60	Volume (bbls):	12.3
Cement & Additives:				
100% Class G +0.3% CFL-3+ 0.3% CFR-2				
	Density (ppg)	15.8	Yield (ft ³ /sk)	1.15
	Water Req.			4.96

Stage 4:	From Depth (ft):	0	To Depth (ft):	248
Type: Plug 3	Volume (sacks):	96	Volume (bbls):	19.7
Cement & Additives:				
100% Class G				
	Density (ppg)	15.8	Yield (ft ³ /sk)	1.15
	Water Req.			5.00

SUMMARY

Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	27.7	Stage 1	Stage 2
	25 bbls of Fresh Water	Actual Displacement (bbl):	26.7		
	bbls of				
Total Preflush/Spacer Volume (bbl):	35	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	77.9	Lost Returns (Y/N):		(if Y, when)	
Total Fluid Pumped	139.6				
Returns to Surface:	Cement 1.5 bbls				

Job Notes (fluids pumped / procedures / tools / etc.): Had 4 BBL (22SX) left on truck for top off, top off was not needed.

Customer Representative Signature: _____ Thank You For Using **O - TEX Pumping**



EQUIPMENT SHEET

Date: 8/6/2017

Job Site Leader: Doran, Ben

Max Pressure: _____ PSI

Company - Lease - Well #:

Ensign Drilling
Crystal State 55-8

Ticket #: FL2154

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Location	Company Name
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1	Doran, Ben		201017 1 TON		
2					
3	Peterson, Ryan		745067	446067	
4					
5	Omar		745033	445033	
6	Kopp, Jeff				
7	Seniours, David		746170	446170	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Job Safety Leader: _____

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immediately.



CEMENTING JOB LOG

Project Number	FL2154	Job Date	8/6/2017
State	CO	County	Weld
Customer Representative	Andrew Peetom	Phone	970-433-0292
API Number	05-123-09568		

O-Tex Location	Customer		
Brighton, Colorado 303-857-7948	Ensign Drilling		
Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative
Crystal State 55-8		Doran, Ben	Andrew Peetom
Job Type	Man Hours		API Number
Plug	120		05-123-09568

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.	
8/5/2017	7:40					Arrive on location/Check in with company rep
8/5/2017	7:45					Spot Trucks/ Rig In
8/5/2017	8:30					PJSM
8/5/2017	8:54	0.5				0 Fill Lines
8/5/2017	9:15					Pump truck went down had grass and rocks from rig tank
8/5/2017	9:20					Fix pump
8/5/2017	10:54	2 bbl	1.00			150 Fill lines
8/5/2017	10:55				2500	Pressure Test
8/5/2017	10:56	10 bbl	4.00		100	Fresh Ahead
8/5/2017	11:05	12.3 bbl	4.00		50	60SX @ 15.8PPG, 1.15 Yield, 4.98 WR, 94 SW
8/5/2017	11:20	28.8 bbl	4.00		10	Displace to balance
8/5/2017	11:45	10 bbl				Wash
8/5/2017	12:00					Wait on cement
8/5/2017	19:05					Tag Cement @ 5192'
8/5/2017	19:24	2 bbl	2.00		18	Fill lines
8/5/2017	19:25				2000	Pressure Test
8/5/2017	19:26	25 bbl	2.00		30	Establish Circulation
8/5/2017	20:05	41.6 bbl				120SX @ 14.6 PPG/ 60 SX @ 15.8 PPG
8/5/2017	20:20	10 bbl				Wash Pump
8/5/2017	20:35					Wait on cement
8/6/2017	1:30					Tag Cement @ 248'/ Wait on extra cement to top off well
8/6/2017	4:09	1 bbl	1.00		50	Fill Lines
8/6/2017	4:10				1000	Pressure Test
8/6/2017	4:11	5 bbl	1.80		90	Establish Circulation
8/6/2017	4:19	19.7 bbl	1.80		90	96SX @ 15.8PPG
8/6/2017	4:35					Wait on rig to nipple down
8/6/2017	6:25					Top off not needed/ had 4 BBL (22SX) left on truck
8/6/2017	6:30	15 bbl				Wash Pump
8/6/2017	7:00					Rig out
8/6/2017	7:20					Job Complete
8/6/2017	7:40					Leave Location

JOB CALCULATIONS

1st Plug- EOT @ 5500'/ Plug Length 200'/ ETOC 5300'
2nd Plug- EOT @ 504'
3rd Plug EOT @ 248'

CASING DATA

ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

When we were pulling on water to start the job our line clogged up with grass and rocks, some of the grass and rocks got onto the truck and caused the valves to stick open and not allow us to prime up properly. We had to break apart our pumps and clean them out and ensure the valves were free of debris. Once we did so we pumped the job successfully.



SERVICE ORDER CONTRACT

Customer: **Ensign Drilling**

Ticket Number: **FL2154**

Lease & Well Number: **Crystal State 55-8**

Date: **8/6/2017**

As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

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

Customer Authorized Agent: _____