



# Job Summary

Ticket Number	Ticket Date
TN# FL2168	8/9/2017

COUNTY	COMPANY	API Number
Weld	Ensign Drilling	05-123-07360
WELL NAME	RIG	JOB TYPE
McBride State 1	Ensign 312	Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
Sec 8 T3N R62W	Doran, Ben	Andrew Peetom

EMPLOYEES		
Payne, James		
Omar H	Clark, John	

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

<b>Open Hole</b>					
1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.875	260	4272		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

<b>Casing/Tubing/Drill Pipe</b>							
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	260		
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	4272	0	490
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

## CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	4072	To Depth (ft):	4272
Type: <b>Plug 1</b>	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 <sup>3</sup> /sk)	1.15
	Water Req.			4.96

<b>Stage 2:</b>	From Depth (ft):	4046	To Depth (ft):	4182
Type: <b>Plug 2</b>	Volume (sacks):	40	Volume (bbls):	8.2
Cement & Additives:				
100% Class G				
	Density (ppg)	15.8	Yield (ft <sup>3</sup> /sk)	1.15
	Water Req.			4.98

<b>Stage 3:</b>	From Depth (ft):	0	To Depth (ft):	496
Type: <b>Plug 3</b>	Volume (sacks):	125	Volume (bbls):	30.7
Cement & Additives:				
100% Class C+0.3% CFL-3+0.3% CFR-2				
	Density (ppg)	14.6	Yield (ft <sup>3</sup> /sk)	1.38
	Water Req.			6.61

<b>Stage 4:</b>	From Depth (ft):	0	To Depth (ft):	496
Type:	Volume (sacks):	136	Volume (bbls):	27.8
Cement & Additives:				
100% Class G				
	Density (ppg)	15.8	Yield (ft <sup>3</sup> /sk)	1.15
	Water Req.			4.98

## SUMMARY

Preflushes:	10 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2
	10 bbls of Fresh Water	Actual Displacement (bbl):	21.3	21.2
	20 bbls of Fresh Water		20.3	20.2
Total Preflush/Spacer Volume (bbl):	40	Plug Bump (Y/N):		Bump Pressure (psi):
Total Slurry Volume (bbl):	79	Lost Returns (Y/N):		(if Y, when)
Total Fluid Pumped	159.5			
Returns to Surface:	Cement	1.5 bbls		

Job Notes (fluids pumped / procedures / tools / etc.): 5 BBL (24SX) left on truck for top off at shutdown. / topped off with 24 SX (5 BBL) from 0- 78'

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



### EQUIPMENT SHEET

Date: 8/9/2017

Job Site Leader: Doran, Ben

Max Pressure: \_\_\_\_\_ PSI

Company - Lease - Well #: 

Ensign Drilling
McBride State 1

Ticket #: FL2168

Employee Name <b>*** Please Print ***</b>	Employee Number	Unit Number	Trailer Number	Location	Company Name
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1	Doran, Ben		201017 1 TON		
2					
3	Payne, James		745046 Tractor	445046	
4	Clark, John				
5	Omar H		746169	446169	
6					
7					
8					
9					
10					
11					
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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	FL2168	Job Date	8/9/2017
State	CO	County	Weld
Customer Representative	Andrew Peetom	Phone	970-433-0292
API Number	05-123-07360		

O-Tex Location	Brighton, Colorado 303-857-7948	Customer	Ensign Drilling
Lease Name	McBride State 1	O-Tex Field Supervisor	Doran, Ben
Job Type	Plug	Man Hours	68

**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.	
8/8/2017	14:30					Arrive on location
8/8/2017	14:35					Check in with company rep/ Tailgate Meeting
8/8/2017	14:45					Spot Trucks/ Rig In/ Wait on rig to run tubing
8/8/2017	17:20					PJSM
8/8/2017	17:37	2 bbl	2.00		25	Fill lines
8/8/2017	17:39				2500	Pressure Test
8/8/2017	17:41	15 bbl	1.00		150	Establish Circulation
8/8/2017	17:53	12.3 bbl	2.10		500	60SX @ 15.8PPG, 1.15 Yield, 4.96 WR, 94.8 SW
8/8/2017	17:58	20.3 bbl	2.10		20	Displace to balance
8/8/2017	18:20	10 bbl				Wash Pump
8/8/2017	18:30					Wait on cement
8/9/2017	0:00					Tag Cement @ 4182'
8/9/2017	0:15					PJSM
8/9/2017	0:38	1 bbl	2.00		450	Fill lines
8/9/2017	0:39				2500	Pressure Test
8/9/2017	0:40	10 bbl	1.90		350	Establish Circulation
8/9/2017	0:45	8.2 bbl	1.90		300	40SX @ 15.8PPG, 1.15 Yield, 4.98 WR, 94 SW
8/9/2017	0:51	20.2 bbl	2.00		20	Displace to balance
8/9/2017	1:10					Waitg on rig to trip out to 496'
8/9/2017	4:00	2 bbl	2.00		450	Fill lines
8/9/2017	4:02	20 bbl	2.00		400	15.5 BBL to establish circulation
8/9/2017	4:12	58.5 bbl	2.00		250	125SX @ 14.6 PPG, 136 SX @ 15.8 PPG
8/9/2017	5:00					Wait on rig to nipple down/ 5 BBL on truck for top off
8/9/2017	6:45	5 bbl	0.50		20	Top off/ w 24 SX
8/9/2017	7:00	15 bbl				Wash Pump
8/9/2017	7:15					Rig out
8/9/2017	7:30					Job complete
8/9/2017	7:45					Leave Location

#### JOB CALCULATIONS

1st PLUG- EOT @ 4272'  
 Plug Length-200'/ ETOC @ 4072'  
 2nd Plug- EOT @ 4182  
 Plug Length- 136'/ ETOC- 4046'  
 3rd Plug- EOT @ 496'  
 ETOC- Surface  
 Top off- 0'-78'

#### CASING DATA

#### ANNULAR DATA

**PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW**



## SERVICE ORDER CONTRACT

Customer: **Ensign Drilling**

Ticket Number: **FL2168**

Lease & Well Number: **McBride State 1**

Date: **8/9/2017**

### **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:** \_\_\_\_\_