

# HALLIBURTON

iCem<sup>®</sup> Service

## **EXTRACTION OIL & GAS**

Ft. Lupton District, COLORADO

**For: TODD**

Date: Tuesday, March 26, 2019

## **COYOTE TRAILS**

WELD

EXTRACTION COYOTE TRAILS 33W-15-6C SURFACE

Job Date: Tuesday, March 26, 2019

Sincerely,

**MITCHELL CAMPER**

## Legal Notice

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*The Road to Excellence Starts with Safety*

Sold To #: 369404		Ship To #: 3912708		Quote #:		Sales Order #: 0905578234	
Customer: EXTRACTION OIL & GAS -				Customer Rep: TODD			
Well Name: COYOTE TRAILS			Well #: 33W-15-6C			API/UWI #: 05-123-48255-00	
Field: WATTENBERG		City (SAP): ERIE		County/Parish: WELD		State: COLORADO	
Legal Description: SW SE-28-1N-68W-1199FSL-2319FEL							
Contractor: ENSIGN DRLG				Rig/Platform Name/Num: ENSIGN 147			
Job BOM: 7521 7521							
Well Type: HORIZONTAL OIL							
Sales Person: HALAMERICA\HX38199				Srcv Supervisor: Lance Carpenter			

**Job**

Formation Name			
Formation Depth (MD)		Top	Bottom
Form Type		BHST	
Job depth MD		1629	Job Depth TVD 1629
Water Depth		Wk Ht Above Floor 4FT	
Perforation Depth (MD)		From	To

**Well Data**

Description	New / Used	Size	ID	Weight	Thread	Grade	Top MD	Bottom	Top	Bottom
		9 5/8	8.921	36				1629MD	TVD	1629TVD

**Fluid Data**

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Red Dye Spacer	Red Dye Spacer	10	bbbl	8.33					
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	SwiftCem	SWIFTCM (TM) SYSTEM	575	sack	13.5	1.74	9.2	5	9.2	
9.20 Gal		<b>FRESH WATER</b>								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	Fresh Water	Fresh Water	122.5	bbbl	8.33					

Cement Left In Pipe	Amount	43.1	Reason	Shoe Joint	
Mix Water:	7 ##	Mix Water Chloride:	200 ppm	Mix Water Temperature:	52 °F °C
Cement Temperature:	## °F °C	Plug Displaced by:	8.34/ PPG	Disp. Temperature:	## °F °C
Plug Bumped?	Ye	Bump Pressure:	460 psi	Floats Held?	Yes
Cement Returns:	32 bbl	Returns Density:	## lb/gal kg/m3	Returns Temperature:	## °F °C
<b>Comment</b>					
<p>JOB WENT WELL HAD GOOD RETURNS THROUGH OUT JOB, CEMENT WEIGHED ON SCALES AND PUMPED FULL VOLUME. DISPLACEMENT PUMPED AT CALCULATED SPACER RETURNED AT 75BBLS AWAY AND CEMENT RETURNED AT 90BBLS AWAY. BUMPED PUG AT 3BPM FINAL CIRCULATING PRESSURE 460PSI BROUGHT 500 OVER CHECKED FLOATS AND .5 BBLs BACK. FLOATS HELD.</p>					

## 1.0 Real-Time Job Summary

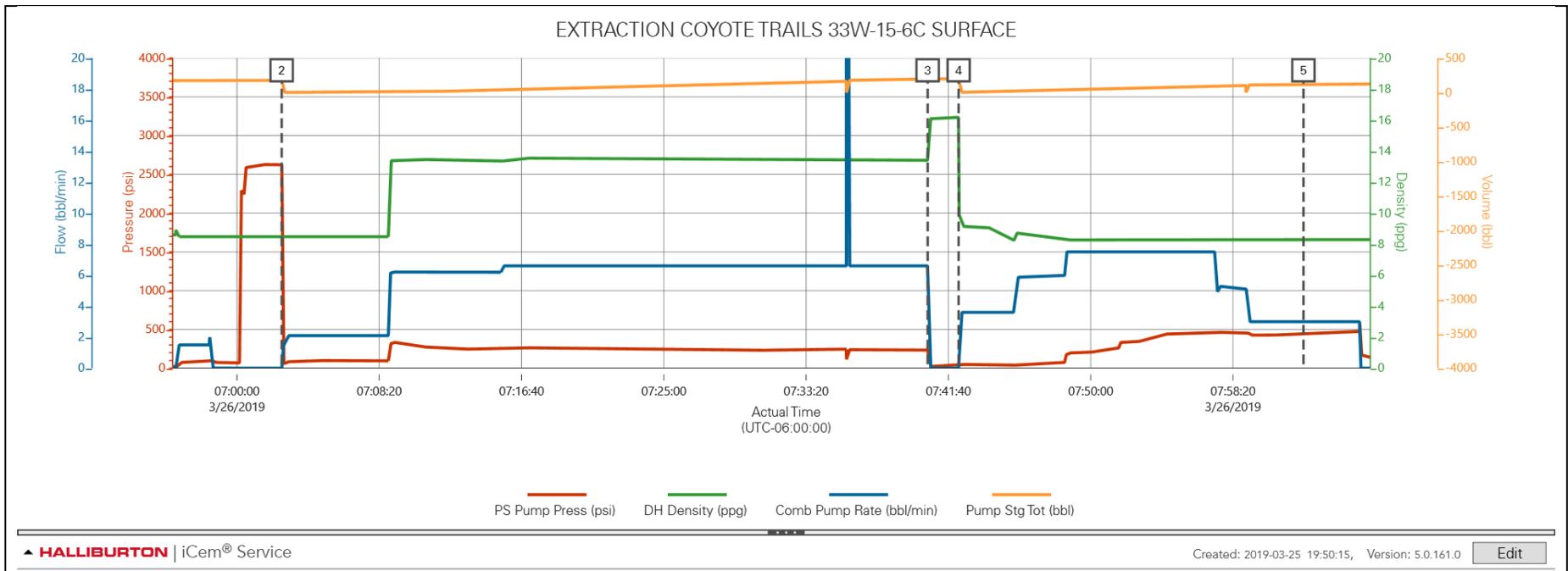
### 1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Safety Meeting - Pre Rig-Down	Arrive At Loc	3/25/2019	22:00:00	USER					CREW ARRIVED AT LOCATION RIG WAS STILL DRILLING.
Event	2	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	3/25/2019	23:30:00	USER					HAD PRE RIG UP SAFETY MEETING CREW AND SPOTTED IN TRUCKS AND RIGGED UP IRON TO STAND PIPE.
Event	3	Casing on Bottom	Casing on Bottom	3/26/2019	06:40:00	USER					RIG HAD CASING ON BOTTOM
Event	4	Comment	Comment	3/26/2019	06:56:25	USER	0.00	8.49	0.00	171.30	FILLED LINES WITH 3 BBLS WATER
Event	5	Pressure Test	Pressure Test	3/26/2019	07:00:12	USER	2313.00	8.50	0.00	175.00	PRESSURED TESTED LINES TO 2500PSI
Event	6	Pump Spacer 1	Pump Spacer 1	3/26/2019	07:02:51	USER	66.00	8.48	1.70	0.60	PUMPED 10 BBLS OF SPACER RED DYE
Event	7	Pump Lead Cement	Pump Lead Cement	3/26/2019	07:08:46	USER					PUMPED 178 BBLS OF SWIFTCEM 13.5 PPG 1.74 YIELD 9.2 GAL
Event	8	Drop Plug	Drop Plug	3/26/2019	07:42:11	USER					DROPPED PLUG WITH COMPANY MAN ON RIG FLOOR.
Event	9	Pump Displacement - Start	Pump Displacement - Start	3/26/2019	07:42:41	USER					PUMPED 122 BBLS OF DISPLACEMENT WATER HAD GOOD RETURNS THROUGHT OUT CAUGHT CEMENT RIGHT AWAY GOING DOWN HOLE.

							SPACER RETURNED AT 75BBLs AWAY AND CEMENT AT 90 BBLs AWAY.
Event	10	Bump Plug	Bump Plug	3/26/2019	08:05:43	USER	BUMPED PLUG AT 3BPM FINAL CIRCULATING PRESSURE WAS 460 PSI
Event	11	Check Floats	Check Floats	3/26/2019	08:06:00	USER	CHECKED FLOATS, FLOATS HELD AND GOT .5 BBLs BACK
Event	12	End Job	End Job	3/26/2019	08:08:33	USER	END JOB
Event	13	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	3/26/2019	08:08:44	USER	HAD PRE RIG DOWN SAFETY MEETING WITH CREW AND DISCUSSED TEAM CARRY AND PINCH POINTS. RIGGED DOWN FLOOR AND IRON.
Event	14	Depart Location	Depart Location	3/26/2019	09:00:00	USER	CREW IS RIGGED DOWN TO THE RED ZONE, LEAVING PUMP FOR RELIEF CREW AND BRINGING BULK EQUIPMENT BACK TO BE REFILLED. CREW HAS JOURNEY MANAGEMENT SAFETY MEETING DISCUSSING ROUTE, CONVOY ORDER, FOLLOWING DISTANCE, HAZARDS AND DEPARTS FROM LOCATION

2.0 Attachments

2.1 EXTRACTION COYOTE TRAILS 33W-15-6C SURFACE.png



3.0 Custom Graphs

3.1 Custom Graph

