

FEB 14 2019

Intent  As Drilled

RECEIVED

API # <b>30.015-45731</b>		
Operator Name: <b>MURCHISON OIL &amp; GAS, INC.</b>	Property Name: <b>ROCK RIDGE FEDERAL BSS</b>	Well Number <b>7H</b>

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
<b>A</b>	<b>30</b>	<b>24S</b>	<b>29E</b>		<b>785</b>	<b>NORTH</b>	<b>250</b>	<b>EAST</b>	<b>EDDY</b>
Latitude <b>32.1936096</b>					Longitude <b>104.0159953</b>			NAD <b>83</b>	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
<b>A</b>	<b>30</b>	<b>24S</b>	<b>29E</b>		<b>1320</b>	<b>NORTH</b>	<b>330</b>	<b>EAST</b>	<b>EDDY</b>
Latitude <b>32.1921393</b>					Longitude <b>104.0162504</b>			NAD <b>83</b>	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	<b>30</b>	<b>24S</b>	<b>29E</b>	<b>1</b>	<b>1320</b>	<b>NORTH</b>	<b>330</b>	<b>WEST</b>	<b>EDDY</b>
Latitude <b>32.1921361</b>					Longitude <b>104.0309787</b>			NAD <b>83</b>	

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number



APD ID: 10400034372

Submission Date: 10/24/2018

Highlighted data reflects the most recent changes.

Operator Name: MURCHISON OIL & GAS INCORPORATED

Well Name: ROCK RIDGE FEDERAL BSS

Well Number: 7H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	QUATERNARY	2916	0	0	ALLUVIUM	USEABLE WATER	No
2	RUSTLER	2294	622	622	DOLOMITE, GYPSUM, SILTSTONE	NONE	No
3	SALADO	1894	1022	1022	SALT	OTHER : Salt	No
4	CASTILE	938	1978	1978	ANHYDRITE	NONE	No
5	LAMAR	161	2755	2755	LIMESTONE	NONE	No
6	BELL CANYON	115	2801	2801	LIMESTONE, SHALE, SANDSTONE	NONE	No
7	CHERRY CANYON	-714	3630	3630	SANDSTONE	NATURAL GAS, OIL	No
8	BRUSHY CANYON	-2011	4927	4927	SANDSTONE	NATURAL GAS, OIL	No
9	BONE SPRING	-3578	6494	6494	LIMESTONE	NATURAL GAS, OIL	No
10	BONE SPRING 1ST	-4550	7466	7466	SANDSTONE	NATURAL GAS, OIL	No
11	BONE SPRING 2ND	-5340	8256	8256	SANDSTONE	NATURAL GAS, OIL	No

### Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 11000

**Equipment:** A 5K BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram and 1 annular preventer will be installed. The BOP will be used below surface casing to TD. An accumulator complying with Onshore Order 2 requirements for the BOP stack pressure rating will be present. Rotating head will be installed as needed.

**Requesting Variance?** YES

**Variance request:** A variance is requested for the use of a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

**Testing Procedure:** A third party will test the BOPs. After surface casing is set and the BOP is nipped up, the BOP will be tested to 250 psi low and 3000 psi high. Intermediate pressure tests will be made to 250 psi low and 5000 psi high. Annular preventer will be tested to 250 psi low and 1500 psi high on the surface casing and 250 psi low and 2500 psi high on the