

Submit In Quadruplicate To:

MONTANA BOARD OF OIL AND GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102

RECEIVED

OCT - 4 2017

SUNDRY NOTICES AND REPORT OF WELLS

MONTANA BOARD OF OIL &
GAS CONSERVATION - BILLINGS

Operator Scout Energy Management, LLC
Address 4901 LBJ Freeway, Suite 300
City Dallas State TX Zip Code 75244
Telephone 972-325-1027 Fax

Lease Name:
FEE-BR

Type (Private/State/Federal/Tribal/Allotted):
PRIVATE

Well Number:
2593

Location of well (1/4-1/4 section and footage measurements):
SE, SW 180' FSL, 1998' FWL
Latitude 46.1132 Longitude -104.1134

Unit Agreement Name:
8B

Field Name or Wildcat:
CEDAR CREEK

Township, Range, and Section:
T4N, R61E, Sec 11

API Number:
25 | 025 | 22555
State County Well

Well Type (oil, gas, injection, other):
GAS

County:
FALLON

Indicate below with an X the nature of this notice, report, or other data:

Notice of Intention to Change Plans	<input type="checkbox"/>	Subsequent Report of Mechanical Integrity Test	<input type="checkbox"/>
Notice of Intention to Run Mechanical Integrity Test	<input type="checkbox"/>	Subsequent Report of Stimulation or Treatment	<input type="checkbox"/>
Notice of Intention to Stimulate or to Chemically Treat	<input checked="" type="checkbox"/>	Subsequent Report of Perforation or Cementing	<input type="checkbox"/>
Notice of Intention to Perforate or to Cement	<input checked="" type="checkbox"/>	Subsequent Report of Well Abandonment	<input type="checkbox"/>
Notice of Intention to Abandon Well	<input type="checkbox"/>	Subsequent Report of Pulled or Altered Casing	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing	<input type="checkbox"/>	Subsequent Report of Drilling Waste Disposal	<input type="checkbox"/>
Notice of Intention to Change Well Status	<input type="checkbox"/>	Subsequent Report of Production Waste Disposal	<input type="checkbox"/>
Supplemental Well History	<input type="checkbox"/>	Subsequent Report of Change in Well Status	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	Subsequent Report of Gas Analysis (ARM 36.22.1222)	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>

Describe Proposed or Completed Operations:

Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

The above listed well will be perforated and hydraulic fractured.

Estimated total volume of treatment: Clean Foam/Clean Fluid - 14,333 gallons, N2 - 58,194 scf, Surface Slurry - 151 bbls

Estimated volume of principal components: 4,300 gallons

Estimated weight or volume of inert substances for well cleanup: 102 bbls

Maximum anticipated treating pressure: 380 psi

The description of fracturing fluids that will be used is attached to this form.

The well will be perforated in zone 2: 756' - 766'. A bridge plug will also be set at 1021' to shut off the Eagle Perforations and only produce from the Judith River.

BOARD USE ONLY

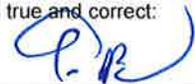
Approved OCT 06 2017
Date


Name

CHIEF FIELD INSPECTOR
Title

The undersigned hereby certifies that the information contained on this application is true and correct:

10-2-17



Date

Signed (Agent)

Tee Brown, Sr. Regulatory Specialist

Print Name and Title

Telephone: 972-325-1027

DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION
BOARD OF OIL AND GAS CONSERVATION

STEVE BULLOCK, GOVERNOR

OIL AND GAS CONSERVATION DIVISION



STATE OF MONTANA

CONDITIONS OF APPROVAL

1. Fracturing Rules 36.22.1106

2. Field Inspector must be notified at least **24 hours** in advance of the start of fracture stimulation operations. Please contact Glendive District Inspector Clay Mercier (406) 698-4832

3. (a) New and existing wells which will be stimulated by hydraulic fracturing must demonstrate suitable and safe mechanical configuration for the stimulation treatment proposed.

(b) Prior to initiation of fracture stimulation, the operator must evaluate the well. If the operator proposes hydraulic fracturing through production casing or through intermediate casing, the **casing must be tested to the maximum anticipated treating pressure**. If the casing fails the pressure test it must be repaired or the operator must use a temporary casing string (fracturing string).

(c) If the operator proposes hydraulic fracturing through a fracturing string, it must be stung into a liner or run on a packer set not less than 100 feet below the cement top of the production or intermediate casing and must be tested to not less than maximum anticipated treating pressure minus the annulus pressure applied between the fracturing string and the production or immediate casing.

(d) A casing pressure test will be considered successful if the pressure applied has been held for 30 minutes with no more than ten percent pressure loss.

(e) A **pressure relief valve(s)** must be installed on the treating lines between pumps and wellhead to limit the line pressure to the test pressure determined above; the well **must be equipped with a remotely controlled shut-in device** unless waived by the board administrator should the factual situation warrant.

(f) The **surface casing valve must remain open** while hydraulic fracturing operations are in progress; the annular space between the fracturing string and the intermediate or production casing must be monitored and may be pressurized to a pressure not to exceed the pressure rating of the lowest rated component that would be exposed to pressure should the fracturing string fail.

DIVISION OFFICE
1625 ELEVENTH AVENUE
PO BOX 201601
HELENA, MONTANA 59620-1601
(406) 444-6675

TECHNICAL AND
SOUTHERN FIELD OFFICE
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102-4693
(406) 656-0040

NORTHERN FIELD OFFICE
201 MAIN STREET
PO BOX 690
SHELBY, MONTANA 59474-0690
(406) 434-2422

025-22555

DEPARTMENT OF NATURAL RESOURCES
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4. 36.22.1010 Work-Over, Recompletion, Well Stimulation

(1) No well may be reperforated, recompleted, reworked, chemically stimulated, or hydraulically fractured without first notifying the board on Form No. 2 and receiving approval from the administrator or other authorized representative of the board. **Within 30 days following completion of the well work, a subsequent report of the actual work performed must be submitted on Form No. 2.**

(2) Well repairs, including tubing, pump, sucker rod replacement or repair, repairs and reconfiguration of well equipment which do not substantially change the mechanical configuration of the well bore or casing, and hot oil treatments do not require prior approval or a subsequent report. Acid and chemical treatments of less than 10,000 gallons and similar treatments intended to clean perforations, remove scale or paraffin, or remedy near-well bore damage do not require prior approval, but do require a subsequent report of the actual work performed submitted on Form No. 2 within 30 days following completion of the work.

If you have any questions, please contact Chief Field Inspector David Popp at 406-656-0040.

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025-22555

Baker 2593

Spud 05/26/2006
Completed 07/02/2006
API 25-025-22555
EAC 09/19/2017

CURRENT COMPLETION

KB: 3066' (6')
GL: 3060'
DF:

180' FSL & 1998' FWL
SE-SW, Sec. 11, T4N, R61E
Fallon, MT

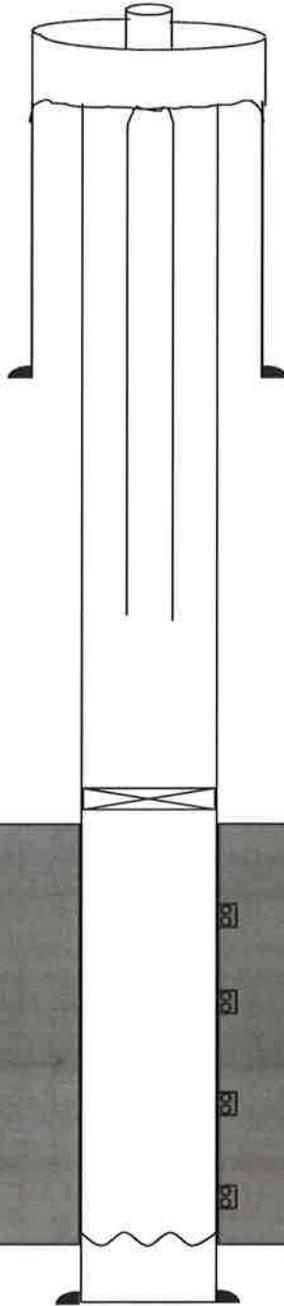
Cum Production thru 08/30/2017
0 BO 213,575 MCF 1,572 BW

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GAS CONSERVATION • BILLINGS**

7" (Hole 9.875"), H-40/8 RND 17#/FT
@ 155' w/ 65 sacks w/ 1.5 barrels returned
TOC @ surface - circ



TBG: 1326' of 1.75" X 1.15" polytube HDPE
as velocity string.

Judith River: 674'-1019'
Proposed Perfs:
756'-766'

Proposed Tubing: 746' +/- of 1.75" X 1.15" polytube HDPE
as velocity string
Proposed Composite Bridge Plug: 1021'

Eagle: 1096'-1680'

4.5" (Hole 6.25"), J-55/8 RND 10.5#/FT
@ 1705' w/ 45 sacks lead and 125 sacks tail
w/ 3.0 barrels returned
TOC @ surface - circ
Short Joint @ 1115'-1144' & 1260'-1289'

Eagle:
1500'-1510' 4 spf (6/06)
1444'-1454' 4 spf (6/06)
1356'-1366' 4 spf (7/06)
1276'-1286' 4 spf (7/06)
frac w/ 43700# 12/20 sand, N2 (6/06)
frac w/ 43700# 12/20 sand, N2 (6/06)
frac w/ 44100# 12/20 sand, N2 (7/06)
frac w/ 43800# 12/20 sand, N2 (7/06)

PBTD - 1676'
TD - 1720'

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Scout

Basic Energy Services

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**
Water	CUSTOMER	BASE FLUID	WATER	7732-18-5	100.00%	119394	68.704998%
FRAC SAND (ALL MESH)	PROPPANT SPECIALTIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100.00%	45000	25.895169%
CL-58	QUEST	LIQUID KCL REPLACEMENT	CHOLINE CHLORIDE	67-48-1	100.00%	80	0.046145%
GEL-100	Hercules	FRAC GEL	carboxymethyl 2-hydroxypropyl ether	68130-15-4	100.00%	100	0.057545%
WF-3	EES	FOAMER	METHANOL	67-56-1	50.00%	82	0.046957%
			2-BUTOXYETHANOL	111-76-2	50.00%	82	0.046957%
BIO-II	WEATHERFORD	BIOCIDES	2,2-dibromo-3-nitropropionamide	10222-01-2	100.00%	2	0.001151%
BREAKER-503L	EES	LIQUID ENZYME BREAKER	SURCOSE	57-50-1	50.00%	1	0.000768%
			ETHYLENE GLYCOL	107-21-1	50.00%	1	0.000768%
GB-3	UNIVAR	AMMONIUM PERSULFATE/ OXIDATIVE BREAKER	Ammonium Persulfate	7727-54-0	100.00%	1	0.000575%
GB-3 (Encap)	CHEMPLEX	ENCAPSULATED OXIDATIVE BREAKER	POTASSIUM PERSULFATE	7727-21-1	50.00%	1	0.000575%
			SILICA	14808-60-7	50.00%	1	0.000575%
S-3	EES	SURFACTANT	WATER	7732-18-5	92.00%	30	0.017280%
			SODIUM CARBONATE	497-19-18	4.00%	1	0.000751%
			PROTEOLYTIC ENZYME	9014-01-1	0.01%	0	0.000002%
			LINEAR ALKYL BENZENE SULFONATE	68081-81-2	1.50%	0	0.000282%
			PRIMARY C14-15 ALCOHOL SULFATE	68081-98-1	1.00%	0	0.000188%
			ALCOHOL ETHER SULFATE	68585-34-2	0.50%	0	0.000094%
			D-LIMONENE	94266-47-4	1.00%	0	0.000188%
KCL	UNIVAR	CLAY CONTROL/ KCL	POTASSIUM CHLORIDE	7447-40-7	100.00%	9000	5.179034%

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8/14/2017

Mel Hicks
Scout Energy Partners
4901 Lbj Freeway, Ste 300
Dallas, Tx 75244

Thank you for the opportunity to present the following treatment proposal. This recommendation is submitted for your consideration.

Well Data

Casing: 4 1/2 in 10.5 lb/ft, J-55
Tubing: None

Stage Info	Stage 1
Formation:	JUDITH RIVER
Packer/ EOT Depth:	
TVD:	800
Perf. Top:	730
Perf. Btm:	740
SPF:	2
Total Shots:	100
Perf Diam:	0.4
Bht (deg F)	100
Frac Gradient:	0.9

Treatment Summary

Primary Fluid SpGr:	1.01
Treat Via:	Casing
Primary Fluid Type:	25-35# MavFrac
CO2 (y/n):	No
Estimated Treat psi:	380
Estimated Perf Fric (psi):	3
Acid Volume (gls):	
Total Clean Fluid/Foam (gls):	14,333
Pad Volume (gls):	3,000
SLF Volume (gls):	10,333
Estimated Flush Volume (gls):	489
Proppant Volume (lbs):	45,000
Estimated Pump Time (min):	26.0

*NOTE: Total clean fluid/foam volume does not include flush volume.

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