FORM 3
Nov. 2012

STATE OF WYOMING
OIL AND GAS CONSERVATION COMMISSION
P. O. Box 2640
Casper Wyoming 82602

WELL COMPLETION OR RECOMPLETION REPORT AND LOG (SUBMIT SINGLE, DUPLICATE ON STATE LAND)

Apd

9 API WELL NO. **49-009-27860**

12. COUNTY: Converse | 13 STATE: Wyoming

5 STATE LEASE SERIAL NO.: FEE

7 UNIT OR COMMUNITIZATION AGREEMENT: WYW156957X

1a. Type of Well: [ ] Oil Well [ ] Gas Well [ ] Dry [ ] CBM Other: Disposal

b. Type of Completion: [ ] New Well [ ] Workover [ ] Deepen [ ] Plug Back [ ] Diff Resvr

[ ] Initial [X] Final Other

2 Name of Operator: SM Energy Company

8 FARM OR LEASE NAME: **Crotalus**

3 Address: 1775 Sherman Street Suite 1200, Denver, CO 80203

3a. Phone No. (include area code): 303-861-8140

Email: dfuchs@sm-

8a. WELL No: **1-19 SWD**

4 Location of Well (Report location clearly and in accordance with WOGCC requirements with footages and qtr qtrs.)

At surface: 1513 FNL 1570 FWL SE NW Lat 43 25355 Long -105 91092

Top prod Int, TVD / MD: Lat Long

At total depth: TVD 1513 FNL MD 1570 FWL SENW Sec 19 T38N R75W Lat. 43.25355 Long. -105 91092

10 FIELD NAME: Snake Charmer Draw

11. SEC. T, R, M., OR BLOCK AND SURVEY OR AREA: 19 T 38N R 75W

36 MULTIPLE COMPL.? DOCKET OR AA DATE.

14. Date Spudded: 6/11/2001

15 Date T.D. Reached:

16. Date Completed: [ ] D & A [ ] Ready to Prod

17 ELEVATIONS (DF, RKB, RT, GR, etc.)*: 5613 GL 5631 KB

18 Total Depth: MD 12930 TVD 12930

19 Plug back T.D: MD 9375 TVD 9375

20. Depth Bridge Plug Set: MD (Requires Prior Approval) TVD

21 Type Electric & other Logs Run (Submit 1 copy and 1 LAS of each). Cased and Open Hole, Bun Hole Press Survey

22 Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [X] No [ ] Yes (Submit copy, w/ cert.)

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/ Grade	Wt. (#/ft.)	Top (MD)	Bottom(MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (Bbl)	Cement Top*	Amount Pulled
12-1/2"	9-5/8" J55	36	0	2025		490 Glass G		Surface	
6-3/4"	5-1/2" P110	17	0	12930		520 Class G		7700	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	12930	8869	5-1/2"					

25. Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Inteval		Size	No. of Holes	Perf Status
A)	Frontier	12671	12691	12671	12691			Squeezed
B)	Parkman	9102	9233	9102	9233			Open
C)	Parkman	8919	8999	8919	8999			Open
D)								

27. Acid,Fracture Treatment, Cement Squeeze, Etc. (Each Require Prior Approval)

Depth Interval Top	Bottom	Amount and Type of Materials and Chemicals (attach job log if desired) Stim Type	Date	Co.	Amt Fluid	Type	2dry Fluid	Type	Prop Vol	Type	Min PSI	Max PSI
9102	9233	Acid	12/19/16	SLB	5000 gal	15% HCL						
8919	8999	Acid	12/19/16	SLB	4000 gal	15% HCL						

RECEIVED
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WYOMING OIL & GAS CONSERVATION COMMISSION

Summary: Total Frac Stages: Total Slurry (bbls): Total Proppant (lbs)

28 Production- Interval A 25. Formation: Frontier Productive Interval: 12671 - 12691

Date First Produced	Test Date	Hours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravity	Flowback Disposal
			→						

Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Res Press	Well Status
			→						PG-2 HC Squeezed

*See instructions and spaces for additional data on page 2

28a. Production- Interval B		25. Formation: Parkman				Productive Interval: 9102 - 9233			
Date First Produced 1/9/2017	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr. API	Gas Gravity	Flowback Disposal
Choke Size	Tbg.Press Flwg. SI	Csg Press	24 Hr Rate →	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Res. Press	Well Status Injecting

28b. Production- Interval C		25. Formation: Parkman				Productive Interval: 8919 - 8999			
Date First Produced 1/9/2017	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr API	Gas Gravity	Flowback Disposal
Choke Size	Tbg.Press Flwg. SI	Csg Press	24 Hr. Rate →	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Res Press	Well Status Injecting

28c. Production- Interval D		25. Formation: 0				Productive Interval: -			
Date First Produced	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr API	Gas Gravity	Flowback Disposal
Choke Size	Tbg.Press Flwg SI	Csg Press.	24 Hr Rate →	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Res. Press	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

Test Witness:

30. Summary of Porous Zones (include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers:

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	

32. Additional remarks; include plugging procedure (Req. prior approval):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical Mechanical Logs (1 full set) Cased & Open hole. ☐ Geologic Report ☐ DST Report ☐ Directional Survey w/ Certification

☐ Sundry Notice for plugging and cementing ☐ Core Analysis ☐ Press Survey ☐ Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Derek Fuchs Title Engineering Technician

Signature Date 1/24/2017

INSTRUCTIONS

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.). formation and pressure tests, and directional surveys should be attached hereto, to the extent required by applicable Federal and or State laws and regulations. All attachments should be listed on this form, see space 33.

Space 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Please note all Lat./ Longs. In NAD 83. Calculate all "Top of Producing Intervals" and "BHL" first as distance from the section corner, second as the Lat. /Long. Spacing orders are based on a well location in a section. Well locations must match the surveyed footages.

Space 17: Indicate elevation used for depth measurements given in other spaces on this form and in any attachments.

Space 23: " Sacks Cement " : Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL). or temperature survey (TS).

Spaces 25 and 28: If this well is completed for commingled production from more than one pool (multiple zone completion), state in space 25 and 26, and in space 25 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for the pools reported in space 28 through 28c. Submit a separate completion report on this form for each pool separately produced, (not commingled).

Space 27: If a well was fracture treated or stimulated, all data required in Chapter 3, Section 45 must be filed with this Completion Report.

Space 27: If a well was fracture treated or stimulated, provide Summary Data for # of Stages, Total Slurry, Total Proppant

Space 28: Provide well test data for each interval tested or stimulated and flowed.

Spaee 32: Provide frac **flowback disposal volumes and handling and disposal site**.

Spaee 32: Provide final annulus casing pressure.

Spaee 32 or Attachment: Provide all Stimulation Chemicals by Name, Type, Volumes and CAS #s.

Attach a wellbore diagram whenever possible.