

FORM NO. 22 R 10/09

SUBMIT IN QUADRUPLICATE TO:

ARM 36.22.307
ARM 36.22.601

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

Lease Name:

Sundance Kid

Lease Type (Private/State/Federal):

Private

Application for Permit To:

Drill Deepen Re-enter
Oil Gas Other

Well Number:

1H

Operator: Prima Exploration, Inc.
Address: 250 Filmore St, Suite 500
City: Denver State: CO Zip: 80206
Telephone Number:

Field Name or Wildcat:

Wildcat Richland

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Unit Name (if applicable):

N/A

MAY 06 2021

Surface Location of Well (quarter-quarter and footage measurements):

SW 1/4 SE 1/4 Sec. 24 T25N R58E 240' FSL 2438' FEL

Objective Formation(s):

Bakken

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Township, Range, and Section:

T25N R58E Section 24

Proposed Total Depth and Bottom-hole Location(s) if directional or horizontal well:

TD - 21,119' MD.
BHL - NW 1/4 NW 1/4 Sec. 13 T25N R58E 250' FNL 550' FWL

County:

Richland

Elevation (indicate GL or KB):

2195' GL

Size and description of drilling/spacing unit and applicable order, if any:

1280 Acre Section 24/13, MT Order 39-2020

Formation at total depth:

Bakken

Anticipated Spud Date:

8/20/2021

| Hole Size | Casing Size | Weight / Foot | Grade (API) | Depth | Sacks of Cement | Type of Cement |
|-----------|-------------|---------------|-------------|---------|-----------------|----------------|
| 13 1/2" | 9 5/8" | 36# | J-55 LTC | 2,200' | 605 | See Attached |
| 8 3/4" | 7" | 32# | P110 BTC | 11,011' | 690 | See Attached |
| 6" | 4 1/2" | 13.5# | P110 BTC | 21,119' | 560 | See Attached |

Describe Proposed Operations:

Describe or attach labeled diagram of blowout preventer equipment. Indicate if air drilled or describe mud program.

Please see attached programs.

Prima Exploration, Inc. requests variance to NOT run Open hole logs on the subject well. Offset logs can be found for the Whiting Petroleum Corporation, Hunter #1, Sec. 24 T25N R58E, Richland County, MT.

BOARD USE ONLY *By Cimw consulting llc*

Approved (date) MAY 17 2021

Permit Fee \$150.00

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

By *[Signature]*

Check Number 5372

Signed (Agent) *[Signature]*

Title *Petroleum Engineer*

Permit Expires NOV 17 2021

Title Ren Gardner - Agent/Pet Engineer

THIS PERMIT IS SUBJECT TO THE CONDITIONS OF APPROVAL STATED ON THE BACK

API Number: 25 - 083 - 23420

Date 5/3/2021

Telephone Number 406-259-4878

Samples Required: NONE ALL _____ FROM _____ feet to _____ feet

Core chips to address below, full cores to USGS, Core Laboratory, Arvada, CO. Required samples must be washed, dried and delivered prepaid to:

Montana Board of Oil and Gas Conservation
2535 St. Johns Avenue
Billings, MT 59102

SUPPLEMENTAL INFORMATION

Note: Additional information or attachments may be required by Rule or by special request.

1. Attach a survey plat certified by a registered surveyor. The survey plat must show the location of the well with reference to the nearest lines of an established public survey.
2. Attach an 8 1/2 x 11" photocopy of that portion of a topographic map showing the well location, the access route from county or other established roads, residences, and water wells within a 1/2 mile radius of the well.
3. Attach a sketch of the well site showing the dimensions and orientation of the site, the size and location of pits, topsoil stockpile, and the estimated cut/fill at the corners and centerstake. (Note: the diagram need not be done by an engineer or surveyor). Attach a sketch of a top view and two side views of the reserve pit(s), if utilized. The reserve pit sketch must show the length, width, depth, cut and fill, amount of freeboard, area of topsoil stockpile, and the height and width of berms.
4. Describe the type and amount of material or liner, if any, to be used to seal the reserve pit. If a synthetic liner is used, indicate the liner thickness (mils), bursting strength, tensile strength, tear strength, puncture resistance, hydrostatic resistance, or attach the manufacturer's specifications.
5. Describe the proposed plan for the treatment and/or the disposal of reserve pit fluids and solids after the well is drilled. If the operator intends to dispose of or treat the reserve pit contents off-site, specify the location and the method of waste treatment and disposal. (Note: The operator must comply with all applicable federal, state, county, and local laws and regulations with regard to the handling, transportation, treatment, and disposal of solid wastes.)
6. Does construction of the access road or location, or some other aspect of the drilling operation require additional federal, state, or local permits or authorizations? If yes, indicate the type of permit or authorization required:
 - No additional permits needed
 - 310 Permit (apply through county conservation district)
 - Air quality permit (apply through Montana Department of Environmental Quality)
 - Water discharge permit (apply through Montana Department of Environmental Quality)
 - Water use permit (apply through Montana Department of Natural Resources and Conservation)
 - Solid waste disposal permit (apply through Montana Department of Environmental Quality)
 - State lands drilling authorization (apply through Montana Department of Natural Resources and Conservation)
 - Federal drilling permit (specify agency)
 - Other federal, state, county, or local permit or authorization: (specify type) _____

NOTICES:

1. Date and time of spudding must be reported to the Board verbally or in writing within 72 hours after the commencement of drilling operations.
2. The operator must give notice of drilling operations to the surface owner as required by Section 82-10-503, MCA, before the commencement of any surface activity.

BOARD USE ONLY

CONDITIONS OF APPROVAL

The operator must comply with the following condition(s) of approval:

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WARNING: Failure to comply with conditions of approval may void this permit.

CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED

| | |
|----------------------------------|-----------|
| Fracture Start Date/Time: | |
| Fracture End Date/Time: | |
| State: | |
| County: | |
| API Number: | |
| Operator Number: | |
| Well Name: | |
| Federal Well: | |
| Indian Well: | |
| Longitude: | |
| Latitude: | |
| Long/Lat Projection: | |
| True Vertical Depth (TVD): | |
| Total Clean Fluid Volume* (gal): | 8,344,602 |



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| Additive | Specific Gravity | Additive Quantity | Mass (lbs) |
|---------------------------------------|---------------------------|-------------------|------------|
| Water | 8.34 | 8,344,602 | 69,593,981 |
| DVA-75 | (already reported in lbs) | 378 | 378 |
| FRP-15 | 9.17 | 15,937 | 146,206 |
| HCL-15 | 8.95 | 500 | 67,140 |
| Liberty Clean Out Fluid | 6.81 | 30 | 136 |
| BioClear 5000 | 9.34 | 834 | 7,790 |
| Surf-Plo 450 | 8.26 | 8,338 | 68,889 |
| Crystalline Silica Quartz / US Silica | (already reported in lbs) | 10,164,375 | 10,164,375 |
| DF-36S | 8.76 | 1 | 13 |
| ACL-300 | 8.76 | 30 | 263 |
| WA-100 | 8.92 | 15 | 134 |
| IC-50S | 10.84 | 60 | 650 |
| Total Slurry Mass (Lbs) | | | 86,649,954 |

Ingredients Section:

| 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)** | Comments |
|---|---------------------------|---------------------|--|--|--|--------------------------|--|----------|
| Water | Operator | Carrier | Carrier | 7732-18-5 | 100.00% | 69,593,981 | 86.93819% | |
| DVA-75 | Liberty Oilfield Services | Diverting Agent | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| FRP-15 | Liberty Oilfield Services | Friction reduction | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| HCL-15 | Liberty Oilfield Services | Solvent | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| Liberty Clean Out Fluid | Liberty Oilfield Services | Clean up Solution | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| BioClear 5000 | Imnospec | Bioicide | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| Surf-Plo 430 | Imnospec | Flowback Additive | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| Crystalline Silica Quartz / US Silica | Liberty Oilfield Services | Sand | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| DF-36S | WST | Defoamer | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| ACL-300 | WST | Corrosion Inhibitor | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| WA-100 | WST | Wetting Agent | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| IC-50S | WST | Iron Control | MSDS and Non-MSDS Ingredients Listed Below | | | | | |
| The trade name(s) of the additive(s) used, supplier(s), and the purpose(s) of the additive(s) are listed above. The ingredient(s) for the above additive(s) are listed below. | | | | | | | | |
| Water | Liberty Oilfield Services | Sand | Crystalline Silica (quartz) | 14808-60-7 | 99.90% | 10,154,311 | 12.6848% | |
| DVA-75 | Liberty Oilfield Services | Sand | Aluminum Oxide | 1344-28-1 | 1.00% | 101,644 | 0.12698% | |
| FRP-15 | Liberty Oilfield Services | Friction reduction | Petroleum distillates, hydro-treated light | 64702-47-8 | 45.00% | 65,793 | 0.08219% | |
| HCL-15 | Imnospec | Flowback Additive | Water | 7732-18-5 | 95.00% | 65,444 | 0.08175% | |
| Liberty Clean Out Fluid | Liberty Oilfield Services | Solvent | Water | 7732-18-5 | 85.00% | 57,069 | 0.07129% | |
| BioClear 5000 | Liberty Oilfield Services | Sand | Iron Oxide | 1309-37-1 | 0.10% | 10,164 | 0.01270% | |
| Surf-Plo 430 | Liberty Oilfield Services | Sand | Titanium Oxide | 13463-67-7 | 0.10% | 10,164 | 0.01258% | |
| Crystalline Silica Quartz / US Silica | Imnospec | Flowback Additive | Hydrochloric Acid | 7647-01-0 | 15.00% | 6,889 | 0.00861% | |
| DF-36S | Imnospec | Flowback Additive | Benzene/sulfonic acid, dodecyl-emp, with 2-aminooctyl | 27323-41-7 | 10.00% | 6,889 | 0.00861% | |
| ACL-300 | Imnospec | Flowback Additive | Dodecylbenzene sulfonate, triethanolamine salt | 69011-56-5 | 3.00% | 4,386 | 0.00548% | |
| WA-100 | Imnospec | Friction reduction | Poly(oxy-1,2-ethanediyl acrylate)-polyurethane, branched | 68439-57-6 | 5.00% | 3,444 | 0.00430% | |
| IC-50S | WST | Flowback Additive | Sodium Alpha Olefin Sulfonate | 17-92-9 | 60.00% | 390 | 0.00049% | |
| Water | Liberty Oilfield Services | Biocide | 2,2-dibromo-3-nitropropionamide | 10272-61-2 | 5.00% | 389 | 0.00049% | |
| DVA-75 | Liberty Oilfield Services | Diverting Agent | Poly(lactide Resin) | 9051-89-2 | 100.00% | 378 | 0.00047% | |
| FRP-15 | Liberty Oilfield Services | Clean up Solution | Oxycenate and paraffinic stream | 76065-86-0 | 95.00% | 135 | 0.0017% | |
| HCL-15 | WST | Wetting Agent | Ethoxylated Decyl Alcohol | 76330-20-8 | 40.00% | 54 | 0.0007% | |
| Liberty Clean Out Fluid | WST | Corrosion Inhibitor | 2-Propoxy-1-o) compound with methyl oxazane | 38172-91-7 | 15.00% | 39 | 0.0006% | |
| BioClear 5000 | Imnospec | Flowback Additive | Tetramolamine | 102-71-6 | 0.01% | 6 | 0.00001% | |
| Surf-Plo 430 | Imnospec | Flowback Additive | Ethanolamine | 141-45-5 | 0.01% | 6 | 0.00001% | |
| Crystalline Silica Quartz / US Silica | Liberty Oilfield Services | Clean up Solution | CI Solvent Yellow 35 | 8003-22-3 | 1.00% | 1 | 0.00000% | |
| DF-36S | WST | Defoamer | Polypropylene Glycol | 25322-69-4 | 10.00% | 1 | 0.00000% | |
| ACL-300 | WST | Defoamer | Polydimethylsiloxane | 63148-62-9 | 6.00% | 1 | 0.00000% | |

**Total Water Volume sources may include, fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.