

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
ELECTRONIC REPORT

NOV 01 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. 751141038
2. Name of Operator BRIDGECREEK RESOURCES COLO LLC Contact: CHRISTINE CAMPBELL Email: ccampbell@bridgecreekresources.com	6. If Indian, Allottee or Tribe Name UTE MOUNTAIN UTE
3a. Address 405 URBAN STREET, SUITE 400 LAKEWOOD, CO 80228	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 303-945-2642	8. Well Name and No. PRAIRIE FALCON 19-2917
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T31N R14W SESE 151FSL 335FEL	9. API Well No. 30-045-35737
	10. Field and Pool, or Exploratory VERDE GALLUP
	11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Bridgecreek Resources (CO), LLC, submits a revised drilling program for the Prairie Falcon 19-2917 location.

The changes highlighted in Yellow include:
New surface casing set depth;
Conductor pipe will not be used and a tin can cellar will be installed;
Production hole will be changed from 8 3/4" to 7 7/8";
DV Tool will be utilized;
Revised mud/cement volumes.

OIL CONS. DIV DIST. 3

NOV 20 2015

14. I hereby certify that the foregoing is true and correct. Electronic Submission #322200 verified by the BLM Well Information System For BRIDGECREEK RESOURCES COLO LLC, sent to the Durango Committed to AFMSS for processing by BARBARA TELECKY on 11/16/2015 (16BDT0016SE)	
Name (Printed/Typed) CHRISTINE CAMPBELL	Title REGULATORY LEAD
Signature (Electronic Submission)	Date 11/01/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title MSL	Date 11/17/15
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office TRES RIOS FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

Additional data for EC transaction #322200 that would not fit on the form

32. Additional remarks, continued

**Attachment to Application for Permit to Drill
Drilling Plan**

Bridgecreek Resources (Colorado), LLC
405 Urban St, Suite 400
Lakewood, CO 80228

PRAIRIE FALCON 19-2917

Surface Location: 151' FSL – 335' FEL
Section 19, T31N, R14W, N.M.P.M.
Latitude = 36.8796222° N
Longitude = 108.3427356° W
Ungraded GL Elev. = 5602'
Graded GL Elev. = 5602'

Proposed Bottom Hole Location: 5' FNL – 6' FWL
Section 29, T31N, R14W, N.M.P.M.
Latitude = 36.87919303° N
Longitude = 108.3415706° W

SAN JUAN COUNTY, NEW MEXICO

Drilling Program written in compliance with Onshore Oil and Gas Order No. 1 (OO1 III.D.3, effective May 7, 2007) and Onshore Order No. 2, Dated November 18, 1988

Drilling Plan:

The PRAIRIE FALCON 19-2917 well is intended to be drilled as a slightly deviated well with limited directional guidance to the Graneros formation. After a 72" galvanized steel cellar is preset at a depth of 4' below ground level, the location will be prepared for operations, including all prudent storm water controls. This well will be drilled using a closed-loop mud system without the use of an earthen reserve pit.

The well will be spud with using a 12 1/4" bit and fresh water-based mud to a depth of 300' MD. At a minimum, wireline directional surveys will be run at intervals not exceeding 500'. At a depth of +/- 300' MD (to be adjusted according to KB of rig selected), 9-5/8" 36#/ft. J-55 STC surface casing will be run and cemented into place. Surface casing will be set at a minimum of 300' MD. The mudlogger and staff geologist will determine the exact set depth based upon the identification of a competent formation to set casing shoe. If, for some reason the cement is not circulated to surface, or if cement falls further than 10' from ground level, the 9-5/8" x 12-1/4" annulus will be filled to the surface from the top of cement using 1" tubing.

The surface casing will be drilled out using a 7-7/8" bit, performance BHA and water based mud to a total depth (TD) of 4,102' MD. Upon reaching TD, we will utilize open hole logs to evaluate prospective interval(s) from the Mancos marker to the base of the Greenhorn formation in which to perforate for stimulation. Planned logs to be run include GR/DIL/DEN/NEU/ML from TD to surface casing.

Depending on geologic conditions observed through mud logger analysis and results from open hole logs, Bridgecreek may elect to run and cement 5 ½" 17#/ft. N-80 LTC casing and cement into place.

1. Estimated Tops for Important Geological Formations

Formation	Est/ MD	TVD	Comments
Pictured Cliffs	0'	0'	Possible Pay (Oil/Gas)/Possible Aquifer (Water)
Cliffhouse	884'	852'	Possible Pay (Oil/Gas)/Possible Aquifer (Water)
Menefee	1,015'	983'	Deepest Coal
Point Lookout	1,838'	1,802'	None
Upper Mancos	2,153'	2,114'	None
MRZ	2,590'	2,548'	Possible Pay (Oil/Gas)
ElVado	3,249'	3,202'	Possible Pay (Oil/Gas)
Tocito	3,500'	3,451'	Possible Pay (Oil/Gas)
Juana Lopez	3,668'	3,618'	Possible Pay (Oil/Gas)
Greenhorn	4,026'	3,973'	Possible Pay (Oil/Gas)
Graneros	4,092'	4,039'	None
TD	4,099'	4,078'	None

2. Anticipated Depths of Prospective Oil, Gas and Other Hydrocarbons

Primary objectives are productive zones within the Mancos (Top Mancos is anticipated at approximately 2,114' TVD) through the base of the Greenhorn (Top Greenhorn is anticipated at approximately 4,005' TVD).

3. Minimum Specifications For Pressure Control Equipment Complies with Onshore Order #2.A.1

The working pressure of all BOP shall exceed the anticipated surface pressure to which it may be subjected, assuming a partially evacuated hole with a pressure gradient of 0.22 psi/ft.

Bottom Hole pressure = 4,078' TVD x 0.45 psi/ft = 1,835 psi (based on measured offset bottom hole pressures, see plan point 8 for details).

Maximum Surface Pressure = 1,835 psi - (4,078' TVD x .22 psi/ft)
 = 1,835 psi - 897 psi
 = 938 psi (less than 3000 psi working pressure.)

Therefore 3000 psi BOP system required.

A. Wellhead Equipment 3,000 PSI System (See Exhibit A)

1. 9 5/8" slip-on / welded x 11" 3,000 psi casing head.
2. One (1) 11" x 3,000 psi WP single-ram preventer with one (1) set of pipe rams, complete with hand wheels and extension arms.
3. One (1) 11" 3,000 psi WP drilling spool with side outlets for 2" kill line and minimum 3" choke line
4. One 11" 3,000 psi WP double-ram preventer with one (1) set of blind rams on bottom & one (1) set of pipe rams on top complete with hand wheels and extension arms.
5. One 11" x 3,000 psi WP Hydril GK (or equivalent) annular preventer.

6. Accumulator - Four Station Koomey (or equivalent) 120 gallon closing unit with remote, backup. The accumulator shall have sufficient capacity to open the hydraulically-controlled gate valve and close all rams plus the annular preventer, with a 50% safety factor and retain a minimum of 200 psi above the pre-charge on the closing manifold without the use of the closing unit pumps. The reservoir capacity shall be double the usable accumulator capacity, and the fluid level shall be maintained at the manufacturer's recommendations.
7. The BOP system shall have two (2) independent power sources (electric and air) available for powering the closing unit pumps. Sufficient nitrogen bottles are suitable as a backup power source only, and shall be recharged when the pressure falls below manufacturer's specification.
8. A valve shall be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.

All BOP equipment will be hydraulically operated with controls accessible both on the rig floor and on the ground.

B. Auxiliary Equipment To Be Used – Minimum 3,000 PSI System (See Exhibit B)

1. Upper & lower kelly cock valve with handles available.
2. Safety valve and subs to fit drill pipe, on rig floor.
3. Choke manifold for 3,000 psi system with 2 chokes (pressure gauge on manifold).
4. Two (2) kill lines (2" minimum, one remote to end of substructure) both with 2" kill line full open valves, plus a check valve for each line.
5. Minimum 3" choke line.
6. Two choke line gate valves, 3" minimum, with one choke line gate valve being hydraulically operated.
7. Two chokes (1 remote, 1 manual) on choke manifold
8. Fill-up line above the uppermost preventer.
9. Wear Bushing or Bowl Protector in the casing head.
10. Inside BOP or (float sub) available
11. All BOPE connections subjected to well pressure shall be flanged, welded or clamped.
12. Choke line shall be straight lines unless turns use tee blocks or are targeted with running tees, and shall be anchored to prevent whip and reduce vibration.

The wellhead BOP equipment will be nipped-up on the 9-5/8" x 11" 3,000 psi casing head prior to drilling out from under surface casing. All ram preventers and related equipment will be tested to 250 psi for 10 minutes then 3,000 psi for 10 minutes. Annular preventers will be tested to 50% of rated working pressure for 10 minutes. Surface casing will be tested to 70% of internal yield pressure. All preventers and surface casing will be tested before drilling out of surface casing. BOP equipment will be tested every 14 days, after any repairs are made to the BOP equipment, and after the BOP equipment is subjected to pressure. Annular preventers will be functionally operated at least once per week. Pipe rams will be activated daily and blind rams shall be activated each trip or at least weekly. The Bureau of Land Management, the Bureau of Indian Affairs and Ute Mountain Ute Tribe will be notified 24 hours in advance of testing of BOPE.

4. Proposed Bit and Casing Program

A. Bit Program

12 1/4" Surface Hole = Surface to 300' MD

7 7/8" Production = 300' MD to TD (approximately 4,099' MD)

B. Casing Program – all casing strings are new casing

Casing & Hole Size	Weight	Grade	Coupling	Setting Depth (MD)	Comments
9-5/8" (12-1/4")	36 ppf	J-55	ST&C	0' – 300' MD	New casing. Cement to surface.
5-1/2" (7-7/8")	17 ppf	N-80	LT&C	0'-4,102' MD	New casing. Cement to surface.

Casing strings below the conductor casing will be tested to .22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield.

Minimum casing design factors used: Collapse - 1.0
Burst - 1.1
Jt. Strength - 1.3

Surface casing shall have a minimum of 1 centralizer per joint on the bottom three (3) joints, starting with the shoe joint for a total of (4) minimum centralizers. Centralizers will be placed 10' above the shoe on the shoe joint, on the 1st, 2nd and 3rd casing collars.

The production casing string shall utilize a DV (differential valve) tool in order to ensure an adequate cement job is completed to protect the Mesa Verde formation. The tool will be placed in the production casing string below the Mesa Verde formation, determined from the open hole logs once they are completed. The production casing string will be centralized using 1 centralizer the first 6 jts and then spaced +/- 1 centralizer / 4 jts through the remainder of the cement column.

5. Proposed Cementing Program

Surface Casing Single Stage Job – (0 - 300' MD):

Excess – 100% over gauge hole – 12-1/4" hole and 9-5/8" casing (0.3132 ft3/ft)

Top of Cement - Surface

Yield – 2.21 ft3/sx

Water requirement – 12.6 gal/sx

Total sacks of cement pumped = 90sx

Production Casing Single Stage Job – (0 – 4,102' MD):

Excess – 25% over gauge hole – 7-7/8" hole and 5-1/2" casing (0.1733 ft3/ft)

Top of Cement – Surface

Yield – 1.21 ft3/sx

Water requirement – 5.68 gal/sx

Total sacks of cement pumped = 740sx

6. Characteristics for Drilling Fluids (all depths are MD)

Depth (MD)	Hole Size (in)	Type	Fluid Density (ppg)	PV (cP)	YP (lb/100 ft ²)	API (mL)	pH	MBT (ppb)	Salinity (PPM)	Remarks
0 - 300'	12-1/4"	FW/Gel	8.4 - 8.8	2 - 8	2-10	N/C	8.5 - 9.5	< 15	< 500	spud mud
300' - 4,102'	7-7/8"	WBM	8.4 - 8.8	8 - 14	8-14	< / = 6	8.5 - 9.5	< 15	< 1,000	LSND

Sufficient weighting material will be on hand to weight mud up to 11.0 PPG, if required.

The formula for weight up with barite is listed below:

$$\text{Sacks of Barite per 100 bbl of mud} = 1470 \times (W2 - W1) \div (35 - W2)$$

Where; W1 = current mud weight

W2 = new mud weight

$$\text{Sacks} = 1470 \times (11.0 - 8.6) / (35 - 11.0) = 147 \times 20 \text{ (2000bbls minimum)} = 2940 \times$$

Pason Pit Volume Totalizer (PVT) equipment will be on each pit to monitor pit levels. A closed-loop mud system will be utilized while drilling. Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations. All necessary spill prevention and remediation materials and procedures will be utilized to control any potential discharges on the surface. A steel tank will be used to collect all of the cuttings. The cuttings will be disposed of onsite in an approved lined cuttings disposal trench, in accordance with the rules and regulations of the BLM and New Mexico Oil Conservation Division.

7. Testing, Logging, Coring and Completion Program

A. Drill-Stem Testing Program: None

B. Logging Program:

The following logs (GR/DIL/DEN/NEU/ML) will be run in 7-7/8" hole from TD (~4,102' MD) to the surface casing shoe (~300' MD).

Submission of digital logging data shall be in Log ASCII Standard (LAS) file format.

BLM shall be provided with a final survey to establish the location of the bottom hole location. If reduced data are provided, the algorithm, datum, and projection should also be provided.

C. Mud Logging

Geologist & a manned mud-logging unit will be operational on the surface hole to TD. Samples will be caught every 30 feet during drilling, with the exception of possible pay zones, where samples will be caught every 5 feet.

D. Coring: None

E. Cement Bond Log: Will be run after the drilling of the well has been completed and as the start of the completion process. The CBL will confirm the quality of the

cement bond and the actual TOC. If either of these two data points were not satisfactory per BLM, State and standard procedure, remedial cement work, if required, will be performed after consultation and approval of a plan from both the BLM and State agencies.

- F. Drilling and Stimulation: Drilling is expected to take 7 days. Completion (if the well is deemed productive) is estimated to take 2 days. The duration of flowback/testing operations is 3 days. We are planning a 5-stage nitrogen foam frac for this well. Based on frac modeling work, we anticipate an average frac length away from the wellbore to be ~400 feet in the horizontal direction. Estimated fresh water usage per stage during completion is ~476 bbls. A total of ~2,016 bbls of sand/nitrogen/water mix will be injected during the completion. A total of ~3,700 lb of premium white 40/70 sand and a total of ~70,300 lb of premium white 20/70 sand will be injected during the completion. A hydraulic fracture treatment will be designed for the completion of this well based on open hole log analysis and surface shows. If a hydraulic fracture treatment is warranted, The drill site, as approved, will be sufficient size to accommodate all completion activities.

8. Expected Bottom Hole Pressure and any Anticipated Abnormal Pressures, Temperatures or Other Potential Hazards

- A. Based on offset information the expected bottom-hole pressure at the Graneros is 0.45 psi x 4,078' TVD = 1,835 psi.

Well	TVD (ft)	BHP (PSI)	Pressure Gradient (psi/ft)	EMW (ppg)
Harris Hawk 20-1	3578	1610	0.45	8.7
Prairie Falcon 19-1	3269	1471	0.45	8.7
Estimated BHP	4078	1835	0.45	8.7

- B. Expected bottom-hole temperature @ the Graneros formation is ~110 deg F.
 C. No lost circulation is anticipated.
 D. No zones of potable water are expected to be encountered during the drilling of this well.
 E. No H₂S sour gas is known to exist in the formations that we will drill through.
 F. Estimated fresh water usage for drilling operations will start at ~1,000 bbls of fresh water. The mud system will dewater after a well is drilled. We can reuse the same water over and over (re-use of drilling mud on subsequent wells). Accounting for fluid loss to formation and evaporation, we estimated needing to add approximately 250 bbls of new fresh water when the mud is transported to the next well. This assumes no lost circulation events.
 G. Estimated fresh water usage for cementing operations is ~162 bbls for surface casing, and ~351 bbls for production casing. Both of these estimates include using fresh water as the displacement fluid.
 H. Estimated maximum fresh water usage for completion operations is ~3,498 bbls. This includes 25% excess water on hand per stage. This assumes a 5-stage nitrogen foam frac. The water usage for the completion activities will vary depending on the number of stages selected for stimulation and will be provided in the completion report.

9. **Plugging and Abandonment**

No plugging and abandonment of the well would occur until after the well has been drilled, completed, hydraulically stimulated and production tested, unless extenuating circumstances arise. Full authorization will be verbally sought from the Bureau of Land Management and the New Mexico Oil Conservation Division prior to actual plugging operations being initiated with written reports submitted as a followed up.

10. **Other**

A Cultural Resource Inventory and Paleontology reconnaissance has been conducted for the well location and access route. The reports shall be submitted to the Ute Mountain Ute Tribe and the BLM upon their receipt.

Anticipated Commencement Date:

Within 30 days of APD approval based on ability to source appropriate rig to complete operations

11. **Protecting Valuable deposits of fluid or solid minerals**

We will run 2 strings of casing (surface and production) and cement to surface both. Surface casing cement will have 100% returns to surface. Production casing will have 25% returns to surface. This extra cement back at surface ensures that the quality of cement downhole is good. A CBL will be run from TD to surface to ensure the cement bond is good quality. We will drill the well with the appropriate mud weight based on anticipated and encountered pressures while drilling. Fresh water, usable water and coal deposits will be protected by surface casing and production casing. Oil and gas bearing zones will be isolated from fresh water and usable water zones by the production casing. Formations will be selected for completion and perforated. This ensures we are targeting only the zones of interest for completion.

Bridgecreek Resources (Colorado) LLC

San Juan County, NM (NAD 83)

Sec 19 T-31N R-14W

Prairie Falcon 19-2917

DD

UWI:

Plan: #1

Mesa West Planning Report

07 October, 2015

Site: Sec 19 T-31N R-14W
Well: Prairie Falcon 19-2917
Wellbore: DD
Plan: #1

Reference Details - WELL CENTRE

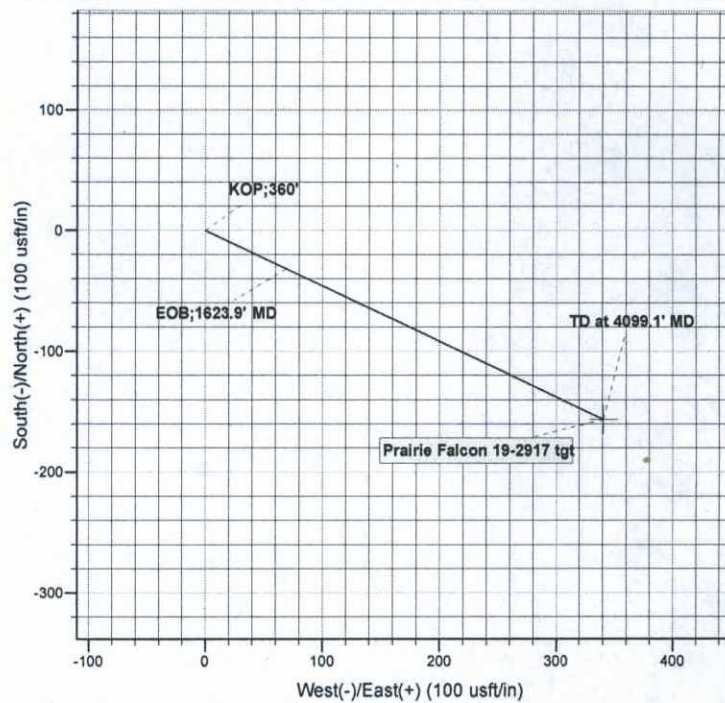
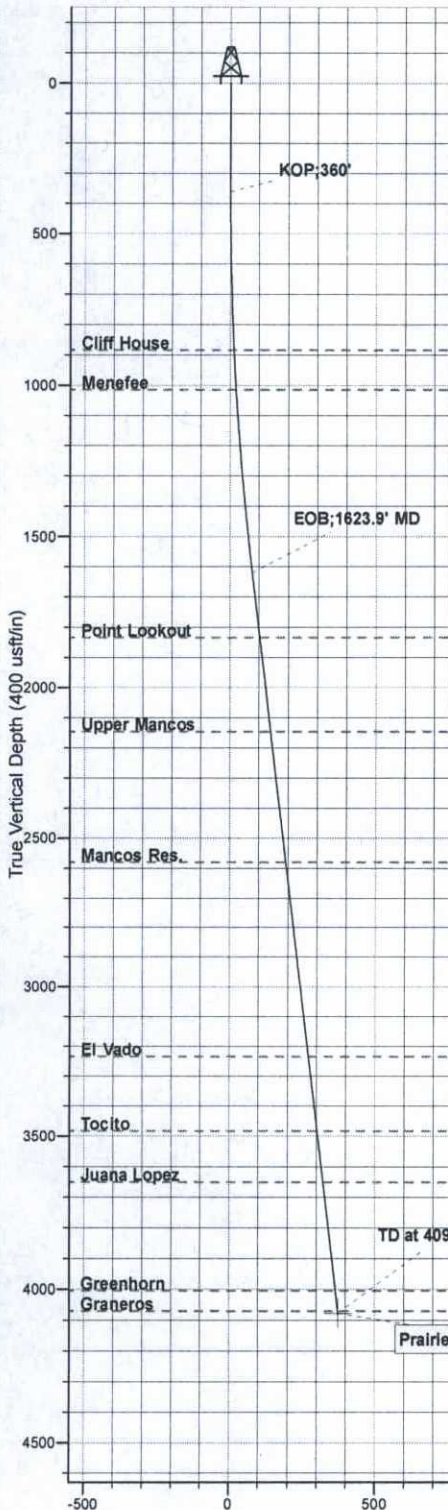
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Ellipsoid: GRS 1980
Zone: Zone 12N (114 W to 108 W)
Northing: 13401599.87
Easting: 2417413.45
Latitude: 36° 52' 46.640 N
Longitude: 108° 20' 33.848 W
Grid Convergence: 1.60° West
Ground Elevation: 5602.0
KB Elevation: Est RKB @ 5614.0usft (KB 12')

Azimuths to True North
Magnetic North: 9.63°
Magnetic Field
Strength: 50317.9snT
Dip Angle: 63.37°
Date: 07/10/2015
Model: IGRF201015



PLAN DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
360.0	0.00	0.00	360.0	0.0	0.0	0.00	0.00	0.0	
1623.9	6.93	114.63	1620.8	-31.8	69.4	0.55	114.63	76.3	
4099.1	6.93	114.63	4078.0	-156.2	340.8	0.00	-180.00	374.9	Prairie Falcon 19-2917 tgt



ANNOTATIONS

TVD	MD	Annotation
360.0	360.0	KOP;360'
1620.8	1623.9	EOB;1623.9' MD
4078.0	4099.1	TD at 4099.1' MD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
884.0	884.2	Cliff House
1015.0	1015.4	Menefee
1834.0	1838.6	Point Lookout
2146.0	2152.9	Upper Mancos
2580.0	2590.1	Mancos Res.
3234.0	3248.9	El Vado
3483.0	3499.8	Tocito
3650.0	3668.0	Juana Lopez
4005.0	4025.6	Greenhorn
4071.0	4092.1	Graneros

MESA WEST
DIRECTIONAL

Database:	WellPlan Services	Local Co-ordinate Reference:	Well Prairie Falcon 19-2917
Company:	BridgeCreek Resources (Colorado) LLC	TVD Reference:	Est RKB @ 5614.0usft (KB 12')
Project:	San Juan County, NM (NAD 83)	MD Reference:	Est RKB @ 5614.0usft (KB 12')
Site:	Sec 19 T-31N R-14W	North Reference:	True
Well:	Prairie Falcon 19-2917	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Plan:	#1		

Project	San Juan County, NM (NAD 83)		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 New Mexico - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec 19 T-31N R-14W		
Site Position:		Northing:	13,406,021.87 usft
From:	Lat/Long	Easting:	2,415,639.22 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 53' 30.821 N
		Longitude:	108° 20' 54.159 W
		Grid Convergence:	1.59 °

Well	Prairie Falcon 19-2917		
Well Position	+N/-S	-4,469.6 usft	Northing:
	+E/-W	1,650.6 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	36° 52' 46.640 N
		Longitude:	108° 20' 33.848 W
		Ground Level:	5,602.0 usft

Wellbore	DD		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF201015	07/10/2015	9.63
			Dip Angle
			(°)
			63.37
			Field Strength
			(nT)
			50,318

Plan	#1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			114.63

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
360.0	0.00	0.00	360.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,623.9	6.93	114.63	1,620.8	-31.8	69.4	0.55	0.55	0.00	114.63	
4,099.1	6.93	114.63	4,078.0	-156.2	340.8	0.00	0.00	0.00	-180.00	Prairie Falcon 19-291

Database:	WellPlan Services	Local Co-ordinate Reference:	Well Prairie Falcon 19-2917
Company:	BridgeCreek Resources (Colorado) LLC	TVD Reference:	Est RKB @ 5614.0usft (KB 12')
Project:	San Juan County, NM (NAD 83)	MD Reference:	Est RKB @ 5614.0usft (KB 12')
Site:	Sec 19 T-31N R-14W	North Reference:	True
Well:	Prairie Falcon 19-2917	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Plan:	#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	-5,614.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP;360'										
360.0	0.00	0.00	360.0	-5,254.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.22	114.63	400.0	-5,214.0	0.0	0.1	0.1	0.55	0.55	0.00
500.0	0.77	114.63	500.0	-5,114.0	-0.4	0.9	0.9	0.55	0.55	0.00
600.0	1.32	114.63	600.0	-5,014.0	-1.1	2.5	2.8	0.55	0.55	0.00
700.0	1.86	114.63	699.9	-4,914.1	-2.3	5.0	5.5	0.55	0.55	0.00
800.0	2.41	114.63	799.9	-4,814.1	-3.9	8.4	9.3	0.55	0.55	0.00
Cliff House										
884.2	2.87	114.63	884.0	-4,730.0	-5.5	12.0	13.1	0.55	0.55	0.00
900.0	2.96	114.63	899.8	-4,714.2	-5.8	12.7	13.9	0.55	0.55	0.00
1,000.0	3.51	114.63	999.6	-4,614.4	-8.2	17.8	19.6	0.55	0.55	0.00
Menefee										
1,015.4	3.59	114.63	1,015.0	-4,599.0	-8.6	18.7	20.5	0.55	0.55	0.00
1,100.0	4.06	114.63	1,099.4	-4,514.6	-10.9	23.8	26.2	0.55	0.55	0.00
1,200.0	4.61	114.63	1,199.1	-4,414.9	-14.1	30.7	33.7	0.55	0.55	0.00
1,300.0	5.15	114.63	1,298.7	-4,315.3	-17.6	38.4	42.3	0.55	0.55	0.00
1,400.0	5.70	114.63	1,398.3	-4,215.7	-21.6	47.0	51.7	0.55	0.55	0.00
1,500.0	6.25	114.63	1,497.7	-4,116.3	-25.9	56.5	62.1	0.55	0.55	0.00
1,600.0	6.80	114.63	1,597.1	-4,016.9	-30.6	66.8	73.5	0.55	0.55	0.00
EOB;1623.9' MD										
1,623.9	6.93	114.63	1,620.8	-3,993.2	-31.8	69.4	76.3	0.55	0.55	0.00
1,700.0	6.93	114.63	1,696.4	-3,917.6	-35.6	77.7	85.5	0.00	0.00	0.00
1,800.0	6.93	114.63	1,795.6	-3,818.4	-40.7	88.7	97.6	0.00	0.00	0.00
Point Lookout										
1,838.6	6.93	114.63	1,834.0	-3,780.0	-42.6	92.9	102.3	0.00	0.00	0.00
1,900.0	6.93	114.63	1,894.9	-3,719.1	-45.7	99.7	109.7	0.00	0.00	0.00
2,000.0	6.93	114.63	1,994.2	-3,619.8	-50.7	110.6	121.7	0.00	0.00	0.00
2,100.0	6.93	114.63	2,093.4	-3,520.6	-55.8	121.6	133.8	0.00	0.00	0.00
Upper Mancos										
2,152.9	6.93	114.63	2,146.0	-3,468.0	-58.4	127.4	140.2	0.00	0.00	0.00
2,200.0	6.93	114.63	2,192.7	-3,421.3	-60.8	132.6	145.8	0.00	0.00	0.00
2,300.0	6.93	114.63	2,292.0	-3,322.0	-65.8	143.5	157.9	0.00	0.00	0.00
2,400.0	6.93	114.63	2,391.3	-3,222.7	-70.8	154.5	170.0	0.00	0.00	0.00
2,500.0	6.93	114.63	2,490.5	-3,123.5	-75.9	165.5	182.0	0.00	0.00	0.00
Mancos Res. Spike										
2,590.1	6.93	114.63	2,580.0	-3,034.0	-80.4	175.4	192.9	0.00	0.00	0.00
2,600.0	6.93	114.63	2,589.8	-3,024.2	-80.9	176.4	194.1	0.00	0.00	0.00
2,700.0	6.93	114.63	2,689.1	-2,924.9	-85.9	187.4	206.2	0.00	0.00	0.00
2,800.0	6.93	114.63	2,788.3	-2,825.7	-90.9	198.4	218.2	0.00	0.00	0.00
2,900.0	6.93	114.63	2,887.6	-2,726.4	-96.0	209.3	230.3	0.00	0.00	0.00
3,000.0	6.93	114.63	2,986.9	-2,627.1	-101.0	220.3	242.3	0.00	0.00	0.00
3,100.0	6.93	114.63	3,086.1	-2,527.9	-106.0	231.3	254.4	0.00	0.00	0.00
3,200.0	6.93	114.63	3,185.4	-2,428.6	-111.1	242.2	266.5	0.00	0.00	0.00
El Vado										
3,248.9	6.93	114.63	3,234.0	-2,380.0	-113.5	247.6	272.4	0.00	0.00	0.00

Database:	WellPlan Services	Local Co-ordinate Reference:	Well Prairie Falcon 19-2917
Company:	BridgeCreek Resources (Colorado) LLC	TVD Reference:	Est RKB @ 5614.0usft (KB 12')
Project:	San Juan County, NM (NAD 83)	MD Reference:	Est RKB @ 5614.0usft (KB 12')
Site:	Sec 19 T-31N R-14W	North Reference:	True
Well:	Prairie Falcon 19-2917	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Plan:	#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,300.0	6.93	114.63	3,284.7	-2,329.3	-116.1	253.2	278.5	0.00	0.00	0.00
3,400.0	6.93	114.63	3,384.0	-2,230.0	-121.1	264.1	290.6	0.00	0.00	0.00
Tocito										
3,499.8	6.93	114.63	3,483.0	-2,131.0	-126.1	275.1	302.6	0.00	0.00	0.00
3,500.0	6.93	114.63	3,483.2	-2,130.8	-126.1	275.1	302.6	0.09	-0.09	0.00
3,600.0	6.93	114.63	3,582.5	-2,031.5	-131.2	286.1	314.7	0.00	0.00	0.00
Juana Lopez										
3,668.0	6.93	114.63	3,650.0	-1,964.0	-134.6	293.5	322.9	0.00	0.00	0.00
3,700.0	6.93	114.63	3,681.8	-1,932.2	-136.2	297.0	326.8	0.00	0.00	0.00
3,800.0	6.93	114.63	3,781.0	-1,833.0	-141.2	308.0	338.8	0.00	0.00	0.00
3,900.0	6.93	114.63	3,880.3	-1,733.7	-146.2	319.0	350.9	0.00	0.00	0.00
4,000.0	6.93	114.63	3,979.6	-1,634.4	-151.3	329.9	362.9	0.00	0.00	0.00
Greenhorn										
4,025.6	6.93	114.63	4,005.0	-1,609.0	-152.5	332.7	366.0	0.00	0.00	0.00
Graneros										
4,092.1	6.93	114.63	4,071.0	-1,543.0	-155.9	340.0	374.0	0.00	0.00	0.00
TD at 4099.1' MD - Prairie Falcon 19-2917 tgt										
4,099.1	6.93	114.63	4,078.0	-1,536.0	-156.2	340.8	374.9	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Prairie Falcon 19-2917 t	0.00	0.00	4,078.0	-156.2	340.8	13,401,453.18	2,417,758.46	36° 52' 45.096 N	108° 20' 29.655 W
- plan hits target center									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Subsea Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
884.2	852.0	4,730.0	Cliff House		0.00	
1,015.4	983.0	4,599.0	Menefee			
1,838.6	1,802.0	3,780.0	Point Lookout			
2,152.9	2,114.0	3,468.0	Upper Mancos			
2,590.1	2,548.0	3,034.0	Mancos Res. Spike			
3,248.9	3,202.0	2,380.0	El Vado			
3,499.8	3,451.0	2,131.0	Tocito			
3,668.0	3,618.0	1,964.0	Juana Lopez			
4,025.6	3,973.0	1,609.0	Greenhorn			
4,092.1	4,039.0	1,543.0	Graneros			

Database:	WellPlan Services	Local Co-ordinate Reference:	Well Prairie Falcon 19-2917
Company:	Bridgecreek Resources (Colorado) LLC	TVD Reference:	Est RKB @ 5614.0usft (KB 12')
Project:	San Juan County, NM (NAD 83)	MD Reference:	Est RKB @ 5614.0usft (KB 12')
Site:	Sec 19 T-31N R-14W	North Reference:	True
Well:	Prairie Falcon 19-2917	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Plan:	#1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
360.0	360.0	0.0	0.0	KOP;360'
1,623.9	1,620.8	-31.8	69.4	EOB;1623.9' MD
4,099.1	4,078.0	-156.2	340.8	TD at 4099.1' MD

Bridgecreek Resources
Tribal IMDA: 751141038
Well: Prairie Falcon # 19-2917
Surface Location: 151' FSL & 335' FEL
Sec. 19, T. 31 N., R. 15 W.
San Juan County, New Mexico

3160

Conditions of Approval – Sundry Notice to Change Drilling Plan:

1. Notify this office at least **3 days** prior to:

- a. spudding the well
- b. running casing strings and cementing
- c. BOP tests
- d. Drill Stem Testing

OIL CONS. DIV DIST. 3
NOV 20 2015

For the above procedures, Operators must talk to BLM personnel directly. Do not leave messages on answering machines. Contact Dan Rabinowitz, BLM Petroleum Engineer: office: 970-385-1363, or Rod Brashear: office: 970-385-1347, and cell: 970-799-1244.

- 2. All BOP tests will be performed with a test plug in place. BOP will be tested to full stack working pressure and annular preventer to 50% maximum stack working pressure. All accumulators will be function tested as per Onshore Order #2. All 2M or greater systems require **adjustable** chokes as per Onshore Order #2.
- 3. No additional zones will be commingled without UMU Tribal and BLM approval.
- 4. If a BLM Inspector is not present during the initial BOP test, please provide chart record.
- 5. Submit copies of all logs to this office both paper and in Log ASCII Standard (LAS) format.

Continued on Page 2.

6. If any operations are to start over the weekend, notify this office by noon Friday. If any problems arise after hours or on weekends, call BLM personnel using the home phone or cell phone numbers listed on the following 'INFORMATIONAL NOTICE - APD's'. Do not leave messages on answering machines.

7. If cement cannot be brought to at least 10 ft. from ground level in 9-5/8" surface string then the operator must run a CBL log and obtain BLM approval prior to drilling ahead.

8. A CBL is also required if cement is not circulated to the surface on the production casing string. BLM verbal approval will be required prior to squeezing.

9. The BLM must witness the topping-off of the Surface Casing Cement.

10. The tops of all major identifiable geologic units (formations) from surface to TD will be logged and recorded.

11. Stabilized bottomhole pressure measurements and flowrates must be collected and submitted to the BLM.

12. Please provide the following information if possible. All tests and operations on any well on subject lands shall be conducted at Operator's sole discretion.

All Wire Line Logs - Fields & Final Print (Electrical, Radioactive, Sonic, Velocity, Cement Bond, Temperature, etc with digitized and log analysis).

Drill Stem Tests - Field and Final Reports.

Core Analysis - Field and Final Reports.

Mud Log - Final Report.

Structure and Isopach Maps.

Continued on page 3.

Location (Surveyors) Plat.
Application to Drill (Drilling Permit).
Daily Drilling Reports, Daily Work Over Reports and Final Drilling Report Summary.
Directional Survey.
Geological Summary Report.
Completion Report.
Production Tests (All Production Tests during Completion, AOF, Potential, GOR, etc).
30 Day Well Production Test Record
Bottom Hole Pressure Surveys including build up tests.
Shut in Surface Pressure Surveys.
Gas, Oil and Water Analyses.
State and/or BLM Completion Reports.
State and/or BLM and/or MMS Monthly Production and OGOR Reports.
Additional Governmental Permits and Reports.
Drilling Contracts.
Operating Agreements.
Oil and Gas Sales Contracts.
Plug and Abandon Reports.
Monthly, Gas and/or Plant Products Purchasing Statements.
Well Bore Profiles.
Division Orders/Title Opinions.
AFEs.
Final Drill and Completion Costs.
Other wellfile information as requested by the Tribal Department of Energy.