

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
ELECTRONIC REPORT

NOV 11 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	8. Well Name and No. KINGSSNAKE 34-6
2. Name of Operator BRIDGECREEK RESOURCES COLO LLC Contact: CHRISTINE CAMPBELL Email: ccampbell@bridgecreekresources.com	9. API Well No. 30-045-09999-00-X4 35735
3a. Address 405 URBAN STREET, SUITE 400 LAKEWOOD, CO 80228	3b. Phone No. (include area code) Ph: 303-945-2642
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T31N R15W SENW 2128FNL 2060FWL 36.858868 N Lat, 108.406705 W Lon	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 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 checked="" type="checkbox"/> Other Onshore Order Variance
	<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 recompleat 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 recompleat 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 is requesting a variance to Onshore Order #2 in regards to the 3M system requiring a double ram preventer.

Due to low BHP's in the area Bridgecreek is proposing to utilize a 2M BOP with a single blind ram (diagram attached) instead of the permitted 3M double ram.

The actual BHL pressure on our two existing wells is 146#-Prairie Falcon 19-1, and 55#-Harris Hawk 20-1 and I have attached the most recent analysis.

The max calculated surface pressures are 884 psi (based off our drilling plan) but also in looking at the producing wells in and around the field the most pressure we have actually seen is ~ 130 psi (based off 300 ft fluid levels above the pump intake....300 ft x 8.33 ppg column of fluid x 0.052 =

OIL CONS. DIV DIST. 3

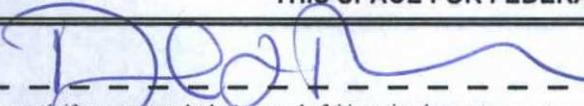
NOV 20 2015

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #323322 verified by the BLM Well Information System  
For BRIDGECREEK RESOURCES COLO LLC, sent to the Durango  
Committed to AFMSS for processing by TRACEY AYZE on 11/12/2015 (16TA0124SE)**

Name (Printed/Typed) CHRISTINE CAMPBELL	Title REGULATORY LEAD
Signature (Electronic Submission)	Date 11/11/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title MSC	Date 11/16/15
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 \*\*

NMOCD

KC  
9

**Additional data for EC transaction #323322 that would not fit on the form**

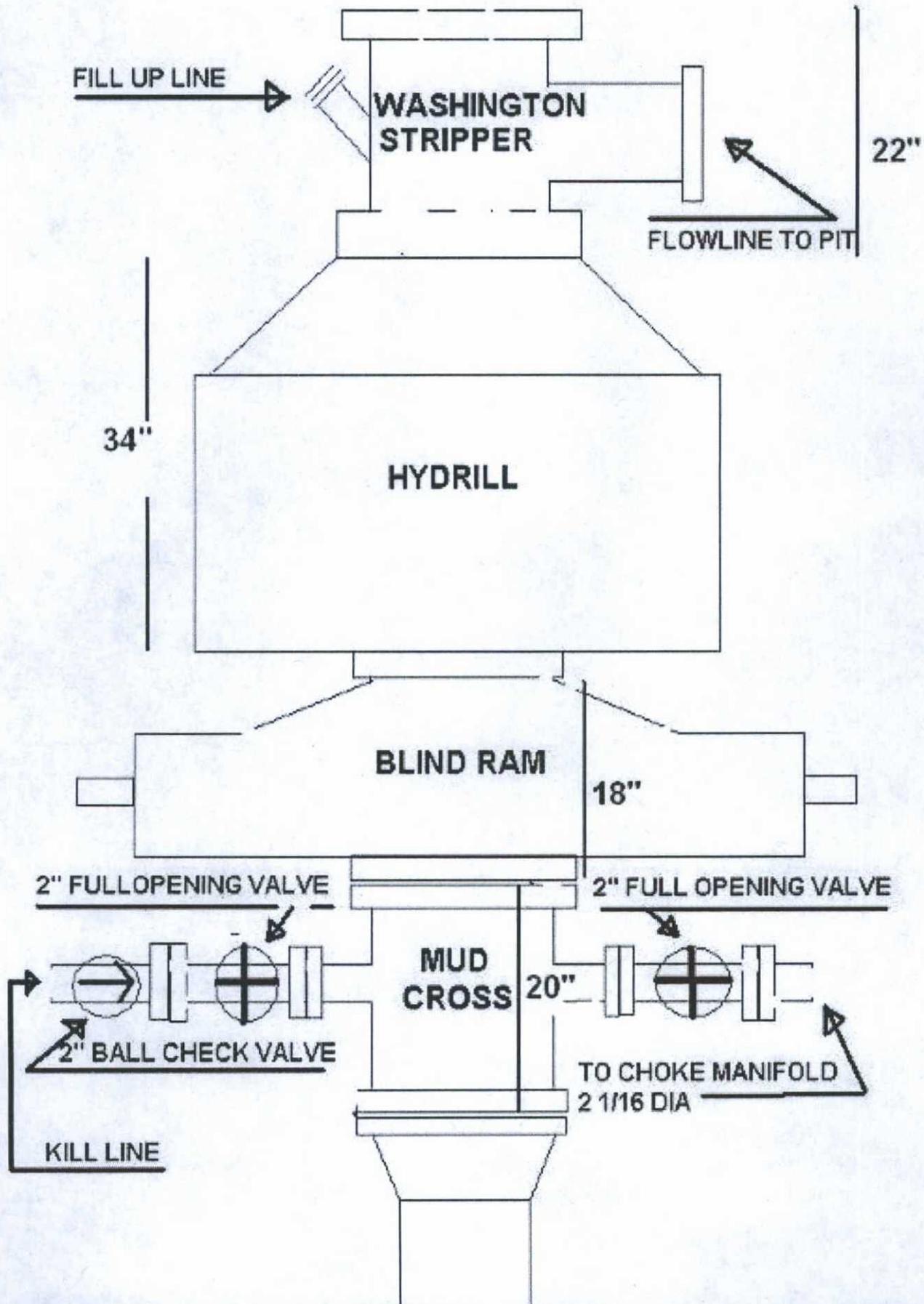
**32. Additional remarks, continued**

129.9 psi).

Aztec Drilling Rig #507 spud this well on 11/7/15 at 2:00am.  
This well TD'd today, 11/11/15.

Received verbal approval to proceed with 3M single ram & 3M hydrill by Jon Pecor (BLM-Tres Rios).

92" overall height



# WALSH ENGINEERING FLUID SHOTS

August 11, 2015

Bridgecreek

Harris Hawk 20-1

**Summary:**

Shot an acoustic trace (fluid level).

Determined fluid level is at 3122 ft, with the pump intake set at 3297 ft.  
Estimated total gaseous liquid column above the pump intake to be 175 ft.

Thank you,  
Jason Chesnut  
Walsh Engineering  
Fluid Shots  
505-320-7087  
[fluidshots@walsheng.net](mailto:fluidshots@walsheng.net)

**General**

Well ID - \* -  
 Well HARRIS HAWK 20 # 1  
 Company BRIDGECREEK RESOURCES LLC  
 Operator - \* -  
 Lease Name - \* -  
 Elevation 0.00 ft  
 Production Method Rod Pump

Comment  
 PERF 2151 top

**Surface Unit**

Manufacturer - \* -  
 Unit Class Conventional  
 Unit API Number - \* -  
 Measured Stroke Length 87.694 in  
 Rotation CW  
 Counter Balance Effect (Weights Level) - \* - Klb  
 Weight Of Counter Weights 2000 lb

**Prime Mover**

Motor Type Electric  
 Rated HP - \* - HP  
 Run Time 24 hr/day  
 MFG/Comment - \* -

**Electric Motor Parameters**

Rated Full Load AMPS - \* -  
 Rated Full Load RPM - \* -  
 Synchronous RPM 1200  
 Voltage - \* -  
 Hertz 60  
 Phase 3  
 Power Consumption 5  
 Power Demand 8 \$/KW

**Tubulars**

Tubing OD 2.875 in  
 Casing OD 5.500 in  
 Average Joint Length 31.700 ft  
 Anchor Depth - \* - ft  
 Kelly Bushing 12.00 ft

**Pump**

Plunger Diameter 1.250 in  
 Pump Intake Depth 3297.00 ft

**Polished Rod**

Polished Rod Diameter 1.250 in

**Rod String**

	Top Taper	Taper 2	Taper 3	Taper 4	Taper 5	Taper 6
Rod Type	D	D	KD	- * -	- * -	- * -
Rod Length	1875.00	1250.00	150.00	- * -	- * -	- * - ft
Rod Diameter	0.750	0.750	1.250	- * -	- * -	- * - in
Rod Weight	3044.0	2029.3	679.1	0.0	0.0	0.0 lb

Total Rod Length 3275  
 Total Rod Weight 5752.43

Damp Up 0.03298  
 Damp Down 0.03298

**Conditions**

**Pressure**

Static BHP - \* - psi (g)  
 Static BHP Method - \* -  
 Static BHP Date - \* -

Producing BHP 55.2 psi (g)  
 Producing BHP Method Acoustic  
 Producing BHP Date 08/11/2015  
 Formation Depth 3255.00 ft

**Surface Producing Pressures**

Tubing Pressure - \* - psi (g)  
 Casing Pressure 27.6 psi (g)

**Casing Pressure Buildup**

Change in Pressure 0.7 psi  
 Over Change in Time 1.00 min

**Production**

Oil Production - \* - BBL/D  
 Water Production - \* - BBL/D  
 Gas Production - \* - Mscf/D  
 Production Date - \* -

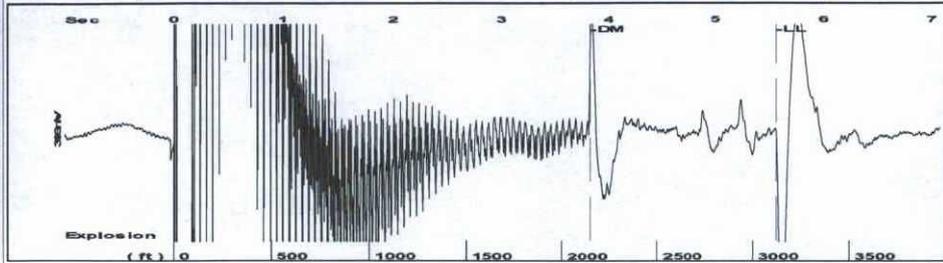
**Temperatures**

Surface Temperature 70 deg F  
 Bottomhole Temperature 150 deg F

**Fluid Properties**

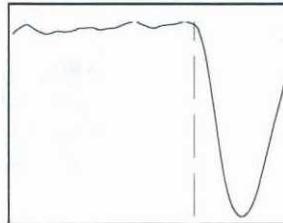
Oil API 40 deg API  
 Water Specific Gravity 1.05 Sp.Gr.H2O

Group: BRIDGECREEK Well: HARRIS HAWK 20 # 1 (acquired on: 08/11/15 14:16:39)



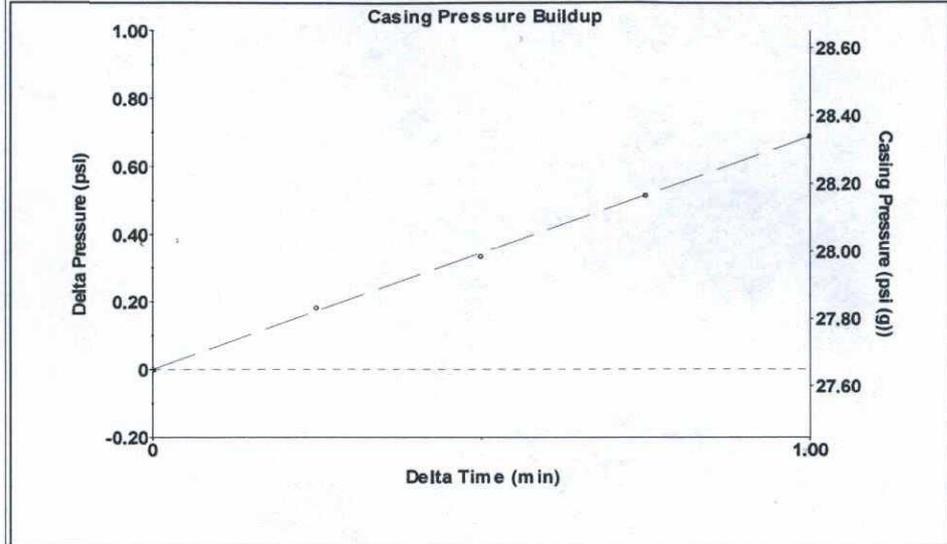
Time 5.563 sec  
 Joints 98.4808 Jts  
 Depth 3121.84 ft

Liquid Level Extrapolated from  
 Marker Selection of a Downhole Marker.



**Analysis Method: Down Hole Marker**

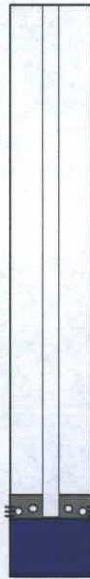
Group: BRIDGECREEK Well: HARRIS HAWK 20 # 1 (acquired on: 08/11/15 14:16:39)



Change in Pressure	0.69 psi	PT 9844
Change in Time	1.00 min	Range
		0 - ? psi

Group: BRIDGECREEK Well: HARRIS HAWK 20 # 1 (acquired on: 08/11/15 14:16:39)

Production Current	Potential	Casing Pressure	Producing
Oil - * -	- * - BBL/D	27.6 psi (g)	
Water - * -	- * - BBL/D	Casing Pressure Buildup	Annular Gas Flow
Gas - * -	- * - Mscf/D	0.7 psi	17 Mscf/D
		1.00 min	% Liquid
IPR Method	Vogel	Gas/Liquid Interface Pressure	52 %
PBHP/SBHP	- * -	31.7 psi (g)	
Production Efficiency	0.0		
Oil 40 deg.API		Liquid Level Depth	
Water 1.05 Sp.Gr.H2O		3121.84 ft	
Gas 0.87 Sp.Gr.AIR		Pump Intake Depth	
		3297.00 ft	
Acoustic Velocity	1122.36 ft/s	Formation Depth	
		3255.00 ft	
Formation Submergence			Pump Intake
Total Gaseous Liquid Column HT (TVD)	175 ft		69.4 psi (g)
Equivalent Gas Free Liquid HT (TVD)	111 ft		Producing BHP
			55.2 psi (g)
			Static BHP
			- * - psi (g)
Acoustic Test			



# WALSH ENGINEERING FLUID SHOTS

August 11, 2015

Bridgecreek

Prairie Falcon 19-1

**Summary:**

Shot an acoustic trace (fluid level).

Determined fluid level is at 2514 ft, with the pump intake set at 2974 ft.  
Estimated total gaseous liquid column above the pump intake to be 461 ft.

Thank you,  
Jason Chesnut  
Walsh Engineering  
Fluid Shots  
505-320-7087  
[fluidshots@walsheng.net](mailto:fluidshots@walsheng.net)

### General

Well ID - \* -  
 Well PRAIRIE FALCON 19-1  
 Company BRIDGECREEK RESOURCES LLC  
 Operator - \* -  
 Lease Name - \* -  
 Elevation 0.00 ft  
 Production Method Rod Pump

Comment  
 TOP PERF 2445  
 BOT PERF 2953

### Surface Unit

Manufacturer - \* -  
 Unit Class Conventional  
 Unit API Number - \* -  
 Measured Stroke Length 65.512 in  
 Rotation CW  
 Counter Balance Effect (Weights Level) - \* - Klb  
 Weight Of Counter Weights 2000 lb

### Prime Mover

Motor Type Electric  
 Rated HP - \* - HP  
 Run Time 24 hr/day  
 MFG/Comment - \* -

### Electric Motor Parameters

Rated Full Load AMPS - \* -  
 Rated Full Load RPM - \* -  
 Synchronous RPM 1200  
 Voltage - \* -  
 Hertz 60  
 Phase 3  
 Power Consumption 5  
 Power Demand 8 \$/KW

### Tubulars

Tubing OD 2.375 in  
 Casing OD 4.500 in  
 Average Joint Length 31.700 ft  
 Anchor Depth - \* - ft  
 Kelly Bushing 12.00 ft

### Pump

Plunger Diameter 1.750 in  
 Pump Intake Depth 2974.00 ft

### Polished Rod

Polished Rod Diameter 1.250 in

### Rod String

	Top Taper	Taper 2	Taper 3	Taper 4	Taper 5	Taper 6	
Rod Type	D	D	KD	- * -	- * -	- * -	
Rod Length	14.00	2775.00	150.00	- * -	- * -	- * -	ft
Rod Diameter	0.750	0.750	1.250	- * -	- * -	- * -	in
Rod Weight	22.7	4505.1	679.1	0.0	0.0	0.0	lb

Total Rod Length 2939  
 Total Rod Weight 5206.95

Damp Up 0.02974  
 Damp Down 0.02974

### Conditions

#### Pressure

Static BHP - \* - psi (g)  
 Static BHP Method - \* -  
 Static BHP Date - \* -

Producing BHP 146.7 psi (g)  
 Producing BHP Method Acoustic  
 Producing BHP Date 08/11/2015  
 Formation Depth 2953.00 ft

#### Surface Producing Pressures

Tubing Pressure - \* - psi (g)  
 Casing Pressure 35.4 psi (g)

#### Casing Pressure Buildup

Change in Pressure 0.4 psi  
 Over Change in Time 1.00 min

#### Production

Oil Production - \* - BBL/D  
 Water Production - \* - BBL/D  
 Gas Production - \* - Mscf/D  
 Production Date - \* -

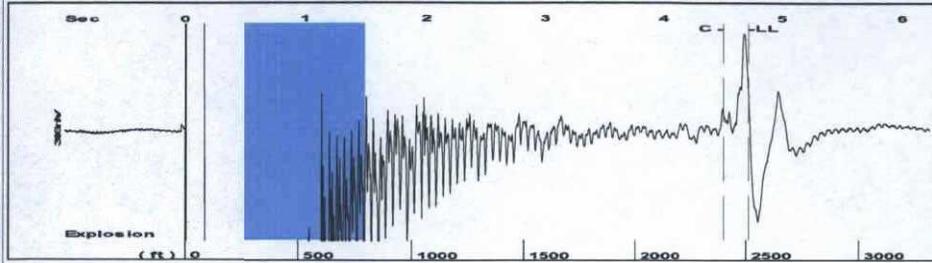
#### Temperatures

Surface Temperature 70 deg F  
 Bottomhole Temperature 150 deg F

#### Fluid Properties

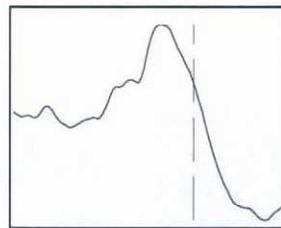
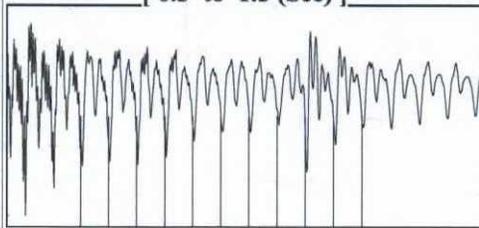
Oil API 40 deg API  
 Water Specific Gravity 1.05 Sp.Gr.H2O

Group: BRIDGECREEK Well: PRAIRIE FALCON 19-1 (acquired on: 08/11/15 13:43:07)



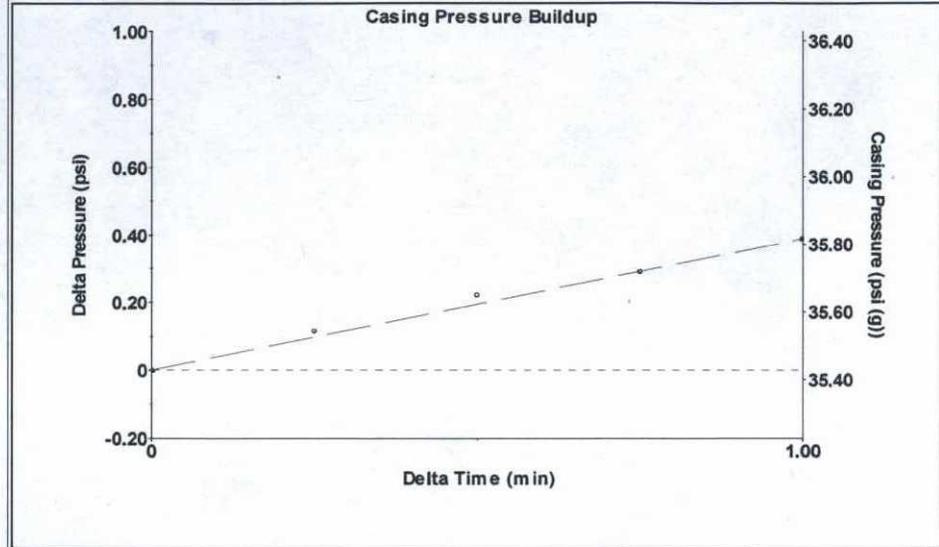
Filter Type High Pass Automatic Collar Count Yes Time 4.72 sec  
 Manual Acoustic Vel 1070.95 ft/s Manual JTS/sec 16.8919 Joints 79.2621 Jts  
 Depth 2512.61 ft

[ 0.5 to 1.5 (Sec) ]



Analysis Method: Automatic

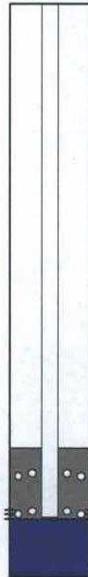
Group: BRIDGECREEK Well: PRAIRIE FALCON 19-1 (acquired on: 08/11/15 13:43:07)



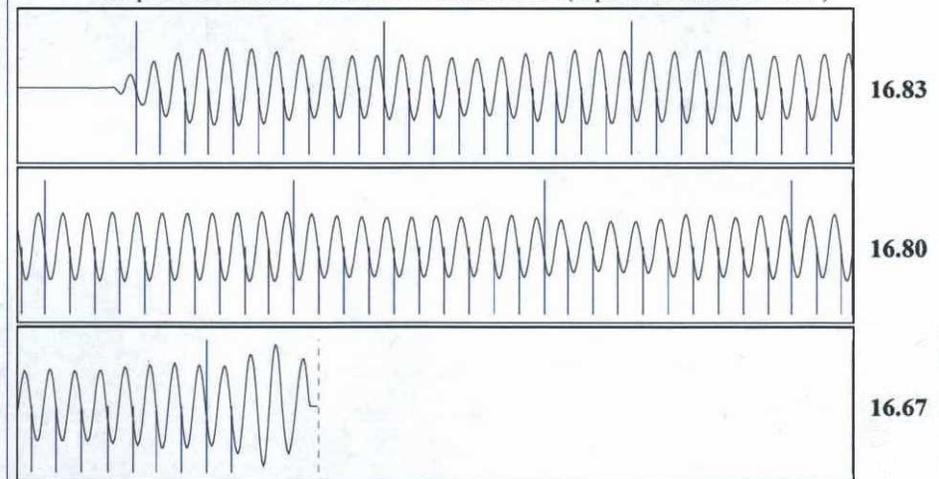
Change in Pressure 0.39 psi PT 9844  
 Change in Time 1.00 min Range 0 - ? psi

Group: BRIDGECREEK Well: PRAIRIE FALCON 19-1 (acquired on: 08/11/15 13:43:07)

Production Current	Potential	Casing Pressure	Producing
Oil - * -	- * - BBL/D	35.4 psi (g)	Annular Gas Flow
Water - * -	- * - BBL/D	Casing Pressure Buildup	5 Mscf/D
Gas - * -	- * - Mscf/D	0.4 psi	% Liquid
		1.00 min	71 %
IPR Method	Vogel	Gas/Liquid Interface Pressure	
PBHP/SBHP	- * -	39.5 psi (g)	
Production Efficiency	0.0		
Oil 40 deg.API		Liquid Level Depth	
Water 1.05 Sp.Gr.H2O		2512.61 ft	
Gas 0.92 Sp.Gr.AIR		Pump Intake Depth	
		2974.00 ft	
Acoustic Velocity	1064.66 ft/s	Formation Depth	
		2953.00 ft	
Formation Submergence			
Total Gaseous Liquid Column HT (TVD)	461 ft	Pump Intake	153.8 psi (g)
Equivalent Gas Free Liquid HT (TVD)	336 ft	Producing BHP	146.7 psi (g)
		Static BHP	- * - psi (g)
Acoustic Test			



Group: BRIDGECREEK Well: PRAIRIE FALCON 19-1 (acquired on: 08/11/15 13:43:07)



Acoustic Velocity 1064.66 ft/s Joints counted 71  
 Joints Per Second 16.7928 jts/sec Joints to liquid level 79.2621  
 Depth to liquid level 2512.61 ft Filter Width 14.8919 18.8919  
 Automatic Collar Count Yes Time to 1st Collar 0.284 4.512