

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

TEMPORARY ABANDONMENT WELL APPLICATION

OPERATOR: License# _____
 Name: _____
 Address 1: _____
 Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Contact Person: _____
 Phone: (_____) _____
 Contact Person Email: _____
 Field Contact Person: _____
 Field Contact Person Phone: (_____) _____

API No. 15- _____
 Spot Description: _____
 _____ - _____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ E W
 _____ feet from N / S Line of Section
 _____ feet from E / W Line of Section
 GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)
 Datum: NAD27 NAD83 WGS84
 County: _____ Elevation: _____ GL KB
 Lease Name: _____ Well #: _____
 Well Type: (check one) Oil Gas OG WSW Other: _____
 SWD Permit #: _____ ENHR Permit #: _____
 Gas Storage Permit #: _____
 Spud Date: _____ Date Shut-In: _____

| | Conductor | Surface | Production | Intermediate | Liner | Tubing |
|------------------|-----------|---------|------------|--------------|-------|--------|
| Size | | | | | | |
| Setting Depth | | | | | | |
| Amount of Cement | | | | | | |
| Top of Cement | | | | | | |
| Bottom of Cement | | | | | | |

Casing Fluid Level from Surface: _____ How Determined? _____ Date: _____
 Casing Squeeze(s): _____ to _____ w / _____ sacks of cement, _____ to _____ w / _____ sacks of cement. Date: _____
(top) (bottom) (top) (bottom)
 Do you have a valid Oil & Gas Lease? Yes No
 Depth and Type: Junk in Hole at _____ Tools in Hole at _____ Casing Leaks: Yes No Depth of casing leak(s): _____
(depth) (depth)
 Type Completion: ALT. I ALT. II Depth of: DV Tool: _____ w / _____ sacks of cement Port Collar: _____ w / _____ sack of cement
(depth) (depth)
 Packer Type: _____ Size: _____ Inch Set at: _____ Feet
 Total Depth: _____ Plug Back Depth: _____ Plug Back Method: _____

Geological Data:

| Formation Name | Formation Top | Formation Base | Completion Information |
|----------------|---------------|----------------|--|
| 1. _____ | At: _____ | to _____ Feet | Perforation Interval _____ to _____ Feet or Open Hole Interval _____ to _____ Feet |
| 2. _____ | At: _____ | to _____ Feet | Perforation Interval _____ to _____ Feet or Open Hole Interval _____ to _____ Feet |

UNDER PENALTY OF PERJURY I HEREBY ATTEST THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

Submitted Electronically

| | | | | | |
|---|--|----------------|---------------------|----------------------|---------------------------------|
| Do NOT Write in This Space - KCC USE ONLY | Date Tested: _____ | Results: _____ | Date Plugged: _____ | Date Repaired: _____ | Date Put Back in Service: _____ |
| | Review Completed by: _____ Comments: _____ | | | | |
| TA Approved: <input type="checkbox"/> Yes <input type="checkbox"/> Denied Date: _____ | | | | | |

Mail to the Appropriate KCC Conservation Office:

| | | |
|--|--|--------------------|
|  | KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801 | Phone 620.682.7933 |
| | KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226 | Phone 316.337.7400 |
| | KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720 | Phone 620.902.6450 |
| | KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651 | Phone 785.261.6250 |

General

Well ID 125012
 Well Birchenough 5
 Company Sandridge
 Operator - * -
 Lease Name Birchenough 5
 Elevation 1300.00 ft
 Production Method Other
 Dataset Description

Comment

Surface Unit

Manufacturer - * -
 Unit Class Conventional
 Unit API Number - * -
 Measured Stroke Length 100.000 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 5.500 in
 Average Joint Length 32.350 ft
 Anchor Depth - * - ft
 Kelly Bushing 2.00 ft

Pump

Plunger Diameter - * - in
 Pump Intake Depth 3915.05 ft
 **Total Rod Length < Pump Depth

Polished Rod

Polished Rod Diameter - * - in

Rod String

| | Top Taper | Taper 2 | Taper 3 | Taper 4 | Taper 5 | Taper 6 |
|--------------|-----------|---------|---------|---------|---------|----------|
| Rod Type | - * - | - * - | - * - | - * - | - * - | - * - |
| Rod Length | - * - | - * - | - * - | - * - | - * - | - * - ft |
| Rod Diameter | - * - | - * - | - * - | - * - | - * - | - * - in |
| Rod Weight | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 lb |

Total Rod Length 0
 Total Rod Weight 0.00

Damp Up 0.05
 Damp Down 0.05

Conditions

Pressure

Static BHP 1503.5 psi (g)
 Static BHP Method Acoustic
 Static BHP Date 01/02/2019

Producing BHP 636.4 psi (g)
 Producing BHP Method Acoustic
 Producing BHP Date 03/15/2023
 Formation Depth 6474.00 ft

Surface Producing Pressures

Tubing Pressure - * - psi (g)
 Casing Pressure 10.7 psi (g)

Casing Pressure Buildup

Change in Pressure 1.2 psi
 Over Change in Time 1.25 min

Production

Oil Production 0 BBL/D
 Water Production 1 BBL/D
 Gas Production - * - Mscf/D
 Production Date 10/31/2016

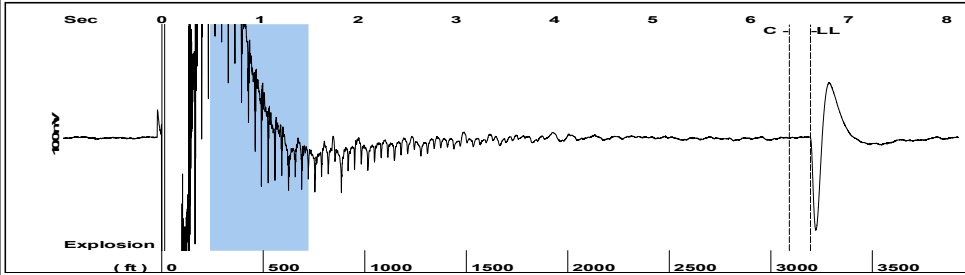
Temperatures

Surface Temperature 70 deg F
 Bottomhole Temperature 150 deg F

Fluid Properties

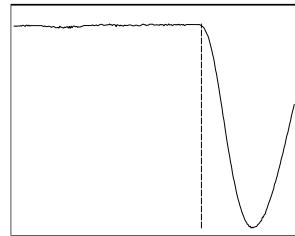
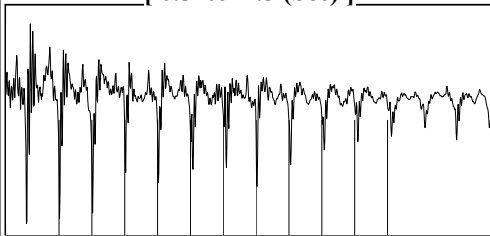
Oil API 40 deg.API
 Water Specific Gravity 1.05 Sp.Gr.H2O

Group: March 2023 Well: Birchenough 5 (acquired on: 03/15/23 09:22:28)



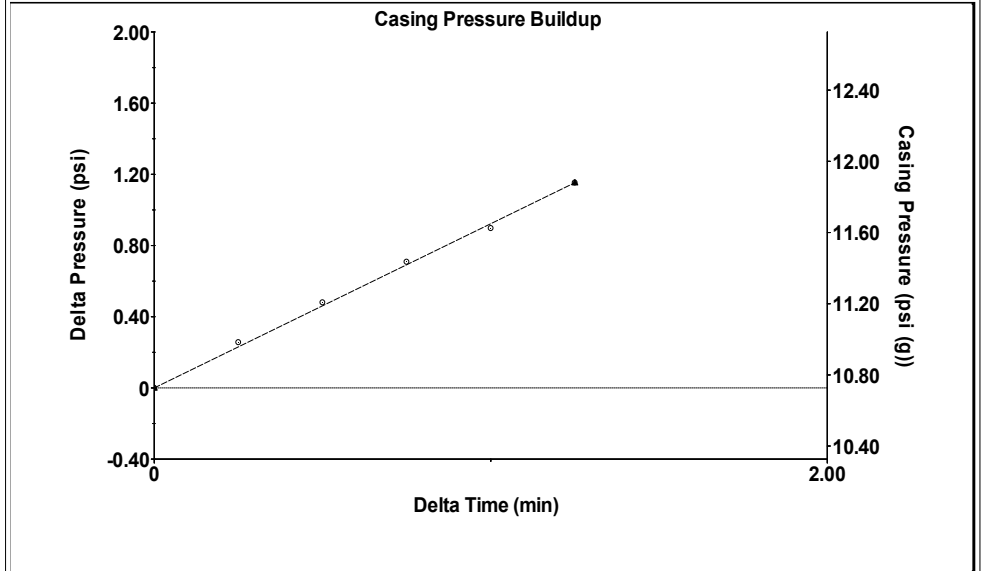
Filter Type High Pass Automatic Collar Count Yes Time 6.612 sec
 Manual Acoustic Veloc 958.519 ft/s Manual JTS/sec 14.8148 Joints 98.7676 Jts
 Depth 3195.13 ft

[0.5 to 1.5 (Sec)]



Analysis Method: Automatic

Group: March 2023 Well: Birchenough 5 (acquired on: 03/15/23 09:22:28)



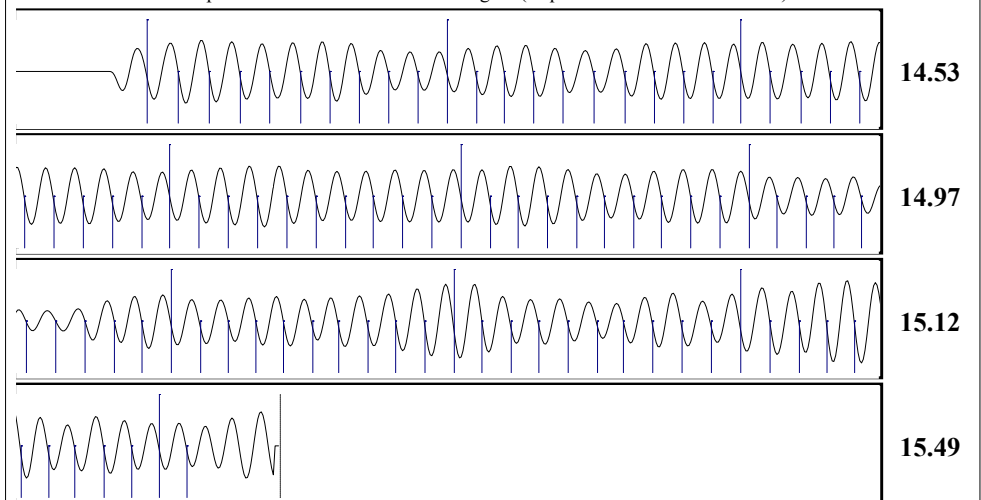
Change in Pressure 1.15 psi PT16722
 Change in Time 1.25 min Range 0 - ? psi

Group: March 2023 Well: Birchenough 5 (acquired on: 03/15/23 09:22:28)

| | | | | | | | | | |
|--------------------------|----------------|------------------|--------|-------------------------------|--------------|-------------------|---------------------|------------|--|
| Production | | Potential | | Casing Pressure | | | Static | | |
| Oil | 0 | - * | BBL/D | Casing Pressure | 10.7 psi (g) | | Oil Column Height | MD 0 ft | |
| Water | 1 | - * | BBL/D | Casing Pressure Buildup | 1.2 psi | | Water Column Height | MD 3277 ft | |
| Gas | - * | - * | Mscf/D | Gas/Liquid Interface Pressure | 13.7 psi (g) | | Liquid Level Depth | 3195.13 ft | |
| IPR Method | | Vogel | | Liquid Level Depth | | Static BHP | | | |
| PBHP/SBHP | | - * | | 3195.13 ft | | 1503.5 psi (g) | | | |
| Production Efficiency | | 0.0 | | Tubing Intake Depth | | | | | |
| | | | | 3915.05 ft | | | | | |
| Oil | 40 deg.API | | | Formation Depth | | | | | |
| Water | 1.05 Sp.Gr.H2O | | | 6474.00 ft | | | | | |
| Gas | 1.00 Sp.Gr.AIR | | | | | | | | |
| Acoustic Velocity | | 966.464 ft/s | | | | | | | |

first shot

Group: March 2023 Well: Birchenough 5 (acquired on: 03/15/23 09:22:28)



Acoustic Velocity 966.464 ft/s Joints counted 91
 Joints Per Second 14.9376 jts/sec Joints to liquid level 98.7676
 Depth to liquid level 3195.13 ft Filter Width 12.8148 16.8148
 Automatic Collar Count Yes Time to 1st Collar 0.304 6.396

Conservation Division
District Office No. 2
3450 N. Rock Road
Building 600, Suite 601
Wichita, KS 67226



Phone: 316-337-7400
<http://kcc.ks.gov/>

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

March 29, 2023

Leah Medrana
SandRidge Exploration and Production LLC
1 E SHERIDAN AVE STE 500
OKLAHOMA CITY, OK 73104-2494

Re: Temporary Abandonment
API 15-077-20415-00-00
BIRCHENOUGH 5
SE/4 Sec.27-33S-06W
Harper County, Kansas

Dear Leah Medrana:

"Your temporary abandonment (TA) application for the well listed above has been approved. In accordance with K.A.R. 82-3-111 the TA status of this well will expire 11/22/2023.

- * If you return this well to service or plug it, please notify the District Office.
- * If you sell this well you are required to file a Transfer of Operator form, T-1.
- * If the well will remain temporarily abandoned, you must submit a new TA application, CP-111, before 11/22/2023.

You may contact me at the number above if you have questions.

Very truly yours,

Nicholas Barkley, ECRS"