

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 Date:

| 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 120769
 Well Lohrding Unit 2
 Company Sandridge
 Operator - * -
 Lease Name Lohrding Unit 2
 Elevation 2095.00 ft
 Production Method Other
 Dataset Description
 First Shot

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 4.500 in
 Average Joint Length 32.860 ft
 Anchor Depth - * - ft
 Kelly Bushing 5.00 ft

Pump

Plunger Diameter - * - in
 Pump Intake Depth 4963.00 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 2059.6 psi (g)
 Static BHP Method Acoustic
 Static BHP Date 09/16/2018

Producing BHP - * - psi (g)
 Producing BHP Method - * -
 Producing BHP Date - * -
 Formation Depth 5232.00 ft

Surface Producing Pressures

Tubing Pressure - * - psi (g)
 Casing Pressure 2.2 psi (g)

Casing Pressure Buildup

Change in Pressure -0.166 psi
 Over Change in Time 0.75 min

Production

Oil Production 0 BBL/D
 Water Production 1 BBL/D
 Gas Production - * - Mscf/D
 Production Date 09/14/2016

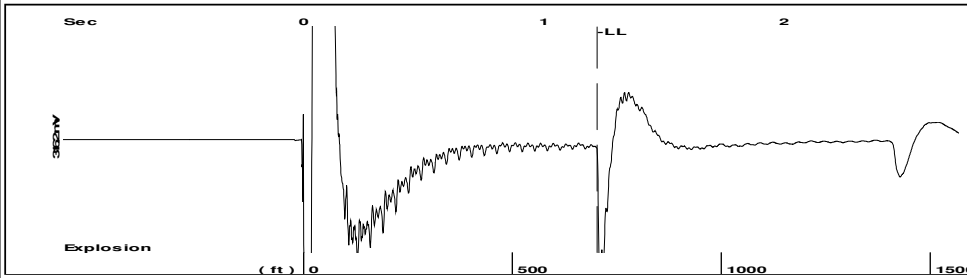
Temperatures

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

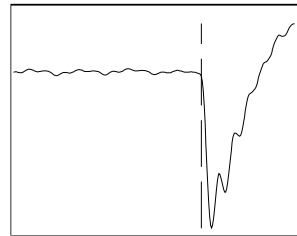
Group: 2018 Sandridge Grp 10 Well: Lohrding Unit 2 (acquired on: 09/16/18 18:12:34)



Time 1.222 sec
Joints 21.3831 Jts
Depth 702.65 ft

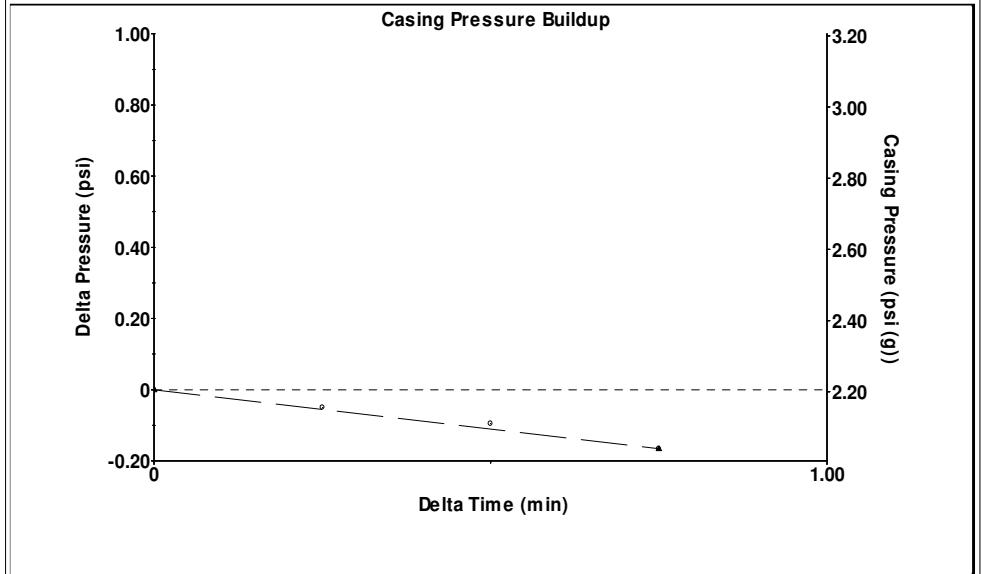
Liquid level calculated with user supplied Acoustic Velocity

Acoustic Velocity 1150 ft/s



Analysis Method: Acoustic Velocity

Group: 2018 Sandridge Grp 10 Well: Lohrding Unit 2 (acquired on: 09/16/18 18:12:34)



Change in Pressure -0.17 psi PT16722
Change in Time 0.75 min Range 0 - ? psi

Group: 2018 Sandridge Grp 10 Well: Lohrding Unit 2 (acquired on: 09/16/18 18:12:34)

| | | | |
|-----------------------|--------------|-------------------------------|---------------------|
| Production Current | Potential | Casing Pressure | Static |
| Oil 0 | - * - BBL/D | 2.2 psi (g) | |
| Water 1 | - * - BBL/D | Casing Pressure Buildup | Oil Column Height |
| Gas - * - | - * - Mscf/D | -0.166 psi | MD 0 ft |
| | | 0.75 min | |
| IPR Method | Vogel | Gas/Liquid Interface Pressure | Water Column Height |
| PBHP/SBHP | - * - | 2.6 psi (g) | MD 4524 ft |
| Production Efficiency | 0.0 | | |
| | | Liquid Level Depth | |
| Oil 40 deg.API | | 702.65 ft | |
| Water 1.05 Sp.Gr.H2O | | Tubing Intake Depth | |
| Gas 0.85 Sp.Gr.AIR | | 4963.00 ft | |
| Acoustic Velocity | 1150 ft/s | Formation Depth | |
| | | 5232.00 ft | |
| | | Static BHP | |
| | | 2059.6 psi (g) | |

Group: 2018 Sandridge Grp 10 Well: Lohrding Unit 2 (acquired on: 09/16/18 18:12:34)

Entered Acoustic Velocity for Liquid Level depth determination

STATE OF KANSAS

CORPORATION COMMISSION
CONSERVATION DIVISION
DISTRICT No. 1
210 E. FRONTVIEW, SUITE A
DODGE CITY, KS 67801



PHONE: 620-682-7933
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

September 18, 2018

Laci Bevans
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: Temporary Abandonment
API 15-033-21208-00-00
LOHRDING UNIT 2
NE/4 Sec.07-31S-19W
Comanche County, Kansas

Dear Laci Bevans:

"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 09/18/2019.

- * 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 09/18/2019.

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

Very truly yours,

Michael Maier"