



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 620.225.8888 |
| | KCC District Office #2 / UPGS - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226 | Phone 316.630.4000 |
| | KCC District Office #3 - 1500 SW Seventh Steet, Chanute, KS 66720 | Phone 620.432.2300 |
| | KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651 | Phone 785.625.0550 |

General

Well ID Harmon 1 FL 1
 Well Harmon 1 FL 1
 Company Sandridge
 Operator TJ Matzke
 Lease Name Harmon 1 FL 1
 Elevation 0.00 ft
 Production Method Rod Pump

Comment

Surface Unit

Manufacturer - * -
 Unit Class Conventional
 Unit API Number - * -
 Measured Stroke Length - * - 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 2.500 in
 Casing OD 5.500 in
 Average Joint Length 32.000 ft
 Anchor Depth - * - ft
 Kelly Bushing 0.00 ft

Pump

Plunger Diameter - * - in
 Pump Intake Depth - * - 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 - * - psi (g)
 Static BHP Method - * -
 Static BHP Date - * -

Producing BHP 413.0 psi (g)
 Producing BHP Method Acoustic
 Producing BHP Date 12/23/2014
 Formation Depth 4490.00 ft

Surface Producing Pressures

Tubing Pressure - * - psi (g)
 Casing Pressure 97.3 psi (g)

Casing Pressure Buildup

Change in Pressure 0.1 psi
 Over Change in Time 1.00 min

Production

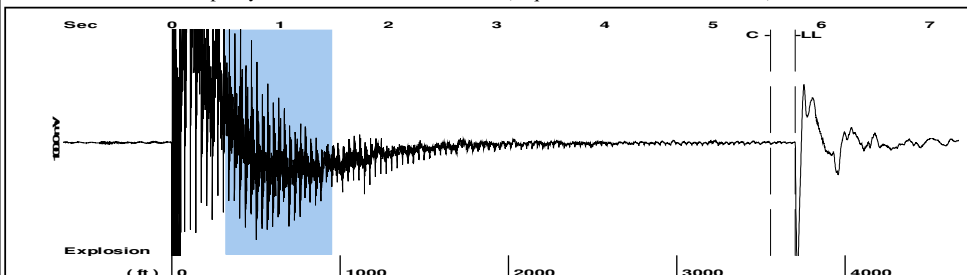
Oil Production - * - BBL/D
 Water Production - * - BBL/D
 Gas Production - * - Mscf/D
 Production Date - * -

Temperatures

Surface Temperature 70 deg F
 Bottomhole Temperature 150 deg F

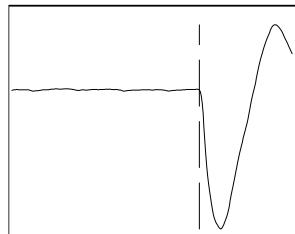
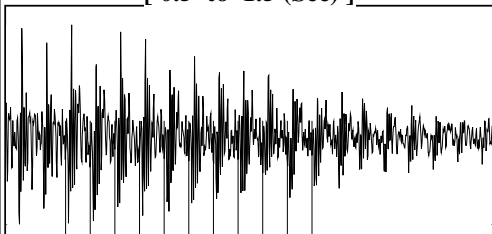
Fluid Properties

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

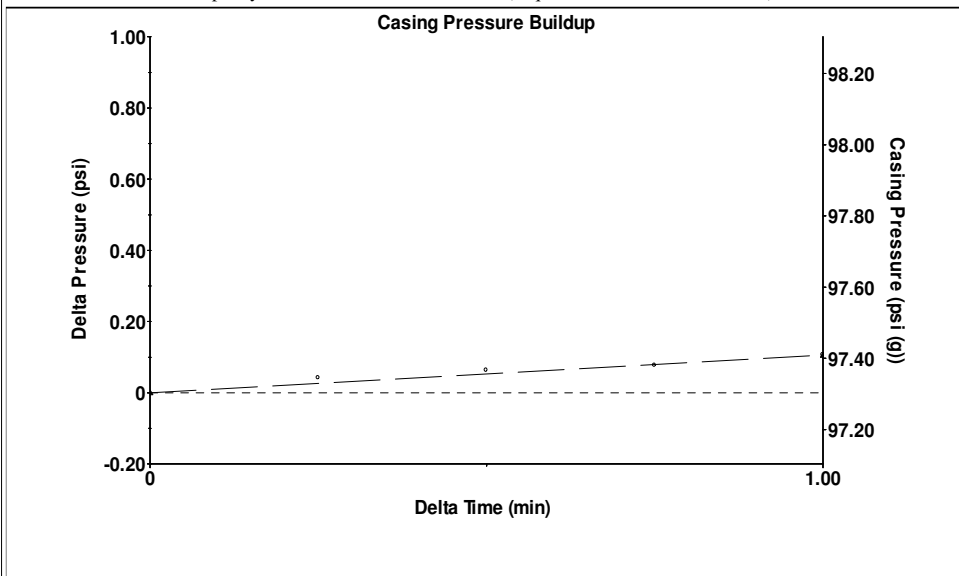


Filter Type High Pass Automatic Collar Count Yes Time 5.759 sec
 Manual Acoustic Veloc 1264.82 ft/s Manual JTS/sec 19.7628 Joints 115.704 Jts
 Depth 3702.53 ft

[0.5 to 1.5 (Sec)]



Analysis Method: Automatic



Change in Pressure 0.11 psi PT15216
 Change in Time 1.00 min Range 0 - ? psi

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|-------------------------------|------------------|-----------|----------|------------|--------------|--|------------|------------|-------------------------|------------------|----------|-------------|---------|----------|--|--|----------|----------|--|--|-------------------------------|------|--|--|---------------|--|----------------|--------------------|----------------------|------------|--------------------|-------------------|--|---------|--------------------------------|-----------------|--|------------|--|
| <p>Production</p> <table border="0"> <tr> <td>Current</td> <td>Potential</td> <td>Casing Pressure</td> <td>Producing</td> </tr> <tr> <td>Oil - *-</td> <td>- *- BBL/D</td> <td>97.3 psi (g)</td> <td></td> </tr> <tr> <td>Water - *-</td> <td>- *- BBL/D</td> <td>Casing Pressure Buildup</td> <td>Annular Gas Flow</td> </tr> <tr> <td>Gas - *-</td> <td>- *- Mscf/D</td> <td>0.1 psi</td> <td>5 Mscf/D</td> </tr> <tr> <td></td> <td></td> <td>1.00 min</td> <td>% Liquid</td> </tr> <tr> <td></td> <td></td> <td>Gas/Liquid Interface Pressure</td> <td>85 %</td> </tr> <tr> <td></td> <td></td> <td>107.7 psi (g)</td> <td></td> </tr> </table> <p>IPR Method Vogel PBHP/SBHP - *- Production Efficiency 0.0</p> <table border="0"> <tr> <td>Oil 40 deg.API</td> <td>Liquid Level Depth</td> </tr> <tr> <td>Water 1.05 Sp.Gr.H2O</td> <td>3702.53 ft</td> </tr> <tr> <td>Gas 0.71 Sp.Gr.AIR</td> <td>Pump Intake Depth</td> </tr> <tr> <td></td> <td>- *- ft</td> </tr> <tr> <td>Acoustic Velocity 1285.82 ft/s</td> <td>Formation Depth</td> </tr> <tr> <td></td> <td>4490.00 ft</td> </tr> </table> <p>Formation Submergence Total Gaseous Liquid Column HT (TVD) 787 ft Equivalent Gas Free Liquid HT (TVD) 670 ft</p> <p>Acoustic Test</p> | Current | Potential | Casing Pressure | Producing | Oil - *- | - *- BBL/D | 97.3 psi (g) | | Water - *- | - *- BBL/D | Casing Pressure Buildup | Annular Gas Flow | Gas - *- | - *- Mscf/D | 0.1 psi | 5 Mscf/D | | | 1.00 min | % Liquid | | | Gas/Liquid Interface Pressure | 85 % | | | 107.7 psi (g) | | Oil 40 deg.API | Liquid Level Depth | Water 1.05 Sp.Gr.H2O | 3702.53 ft | Gas 0.71 Sp.Gr.AIR | Pump Intake Depth | | - *- ft | Acoustic Velocity 1285.82 ft/s | Formation Depth | | 4490.00 ft | |
| Current | Potential | Casing Pressure | Producing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oil - *- | - *- BBL/D | 97.3 psi (g) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water - *- | - *- BBL/D | Casing Pressure Buildup | Annular Gas Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas - *- | - *- Mscf/D | 0.1 psi | 5 Mscf/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.00 min | % Liquid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Gas/Liquid Interface Pressure | 85 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 107.7 psi (g) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oil 40 deg.API | Liquid Level Depth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water 1.05 Sp.Gr.H2O | 3702.53 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas 0.71 Sp.Gr.AIR | Pump Intake Depth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - *- ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acoustic Velocity 1285.82 ft/s | Formation Depth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4490.00 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|------------------------|----------------|------------------------|-----------------|
| Acoustic Velocity | 1285.82 ft/s | Joints counted | 106 |
| Joints Per Second | 20.091 jts/sec | Joints to liquid level | 115.704 |
| Depth to liquid level | 3702.53 ft | Filter Width | 17.7628 21.7628 |
| Automatic Collar Count | Yes | Time to 1st Collar | 0.256 5.532 |

December 30, 2014

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

Re: Temporary Abandonment
API 15-077-20472-00-00
HARMON 1
NE/4 Sec.28-33S-06W
Harper County, Kansas

Dear Tiffany Golay:

"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 12/30/2015.

- * 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 12/30/2015.

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

Very truly yours,

Steve VanGieson"