KOLAR Document ID: 1492472

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CP-111
July 2017
Form must be Typed
Form must be signed
All blanks must be complete

TEMPORARY ABANDONMENT WELL APPLICATION

OPERATOR: License# 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Diane Overbey
Phone: (405) 429-5500
Contact Person Email:
Field Contact Person:
Field Contact Person Phone: ( )

API No. 15- 15-077-20472-00-00
Spot Description:
_ - _ - SE - NE Sec. 28 Twp. 33 S. R. 6 ☐ E ☑ W
1980 feet from ☑ N / ☐ S Line of Section
660 feet from ☑ E / ☐ W Line of Section
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper Elevation: ☐ GL ☐ KB
Lease Name: HARMON Well #: 1
Well Type: *(check one)* ☐ Oil ☑ Gas ☐ OG ☐ WSW ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #:
☐ Gas Storage Permit #:
Spud Date: 03/09/1978 Date Shut-In: 1/8/2014

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	NA	8.625	5.5	NA	NA	NA
Setting Depth		217	4506			
Amount of Cement		175	120			
Top of Cement		0	NA			
Bottom of Cement		217	4506			

Casing Fluid Level from Surface: 4231 How Determined? Echometer Date: 1/21/2020
Casing Squeeze(s): ___ (top) to ___ (bottom) w / ___ sacks of cement, ___ (top) to ___ (bottom) w / ___ sacks of cement. Date:
Do you have a valid Oil & Gas Lease? ☑ Yes ☐ No
Depth and Type: ☐ Junk in Hole at ___ (depth) ☐ Tools in Hole at ___ (depth) Casing Leaks: ☐ Yes ☐ No Depth of casing leak(s):
Type Completion: ☑ ALT. I ☐ ALT. II Depth of: ☐ DV Tool: ___ (depth) w / ___ sacks of cement ☐ Port Collar: ___ (depth) w / ___ sack of cement
Packer Type: Size: Inch Set at: Feet
Total Depth: 4506 Plug Back Depth: Plug Back Method:

Geological Date:

Formation Name	Formation Top	Formation Base	Completion Information
1.	At:	to Feet	Perforation Interval 4464 to 4472 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: Steve VanGieson Comments:
TA Approved: ☑ Yes ☐ Denied Date: 02/10/2020

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	125014	
Well	Harmon 1	
Company	Sandridge	
Operator	- * -	
Lease Name	Harmon1	
Elevation	1307.00	ft
Production Method	Other	
Dataset Description		

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	- * -	in
Casing OD	5.500	in
Average Joint Length	31.700	ft
Anchor Depth	- * -	ft
Kelly Bushing	10.00	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	648.3	psi (g)
Static BHP Method	Acoustic	
Static BHP Date	01/02/2019	
Producing BHP	628.5	psi (g)
Producing BHP Method	Acoustic	
Producing BHP Date	01/21/2020	
Formation Depth	4506.00	ft

Surface Producing Pressures

Tubing Pressure	0.0	psi (g)
Casing Pressure	471.8	psi (g)

Casing Pressure Buildup

Change in Pressure	0.2	psi
Over Change in Time	1.75	min

Production

Oil Production	0	BBL/D
Water Production	1	BBL/D
Gas Production	- * -	Mscf/D
Production Date	12/06/2016	

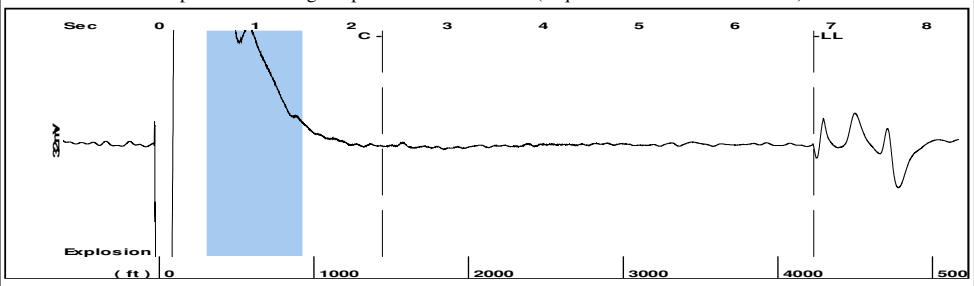
Temperatures

Surface Temperature	70	deg F
Bottomhole Temperature	150	deg F

Fluid Properties

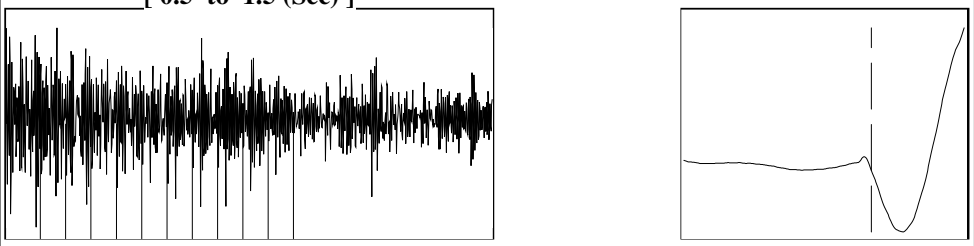
Oil API	40	deg.API
Water Specific Gravity	1.05	Sp.Gr.H2O

Group: 2020 Sandridge Grp 1 Well: Harmon 1 (acquired on: 01/21/20 10:20:08)



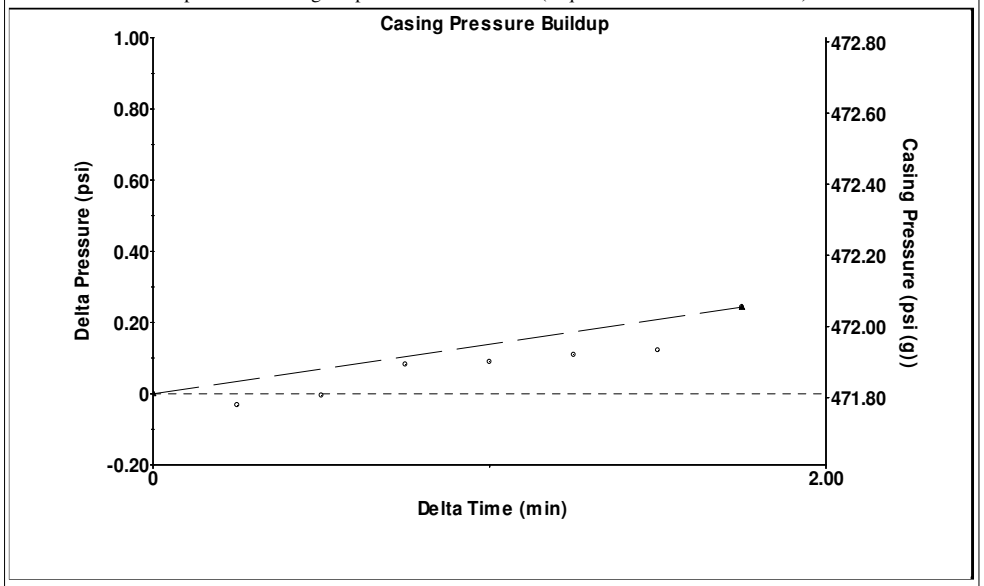
Filter Type	High Pass		Automatic Collar Count	Yes	Time	6.82	sec
Manual Acoustic Veloc	1219.23	ft/s	Manual JTS/sec	19.2308	Joints	133.464	Jts
					Depth	4230.80	ft

[0.5 to 1.5 (Sec)]



Analysis Method: Automatic

Group: 2020 Sandridge Grp 1 Well: Harmon 1 (acquired on: 01/21/20 10:20:08)



Change in Pressure	0.24	psi	PT16722		
			Range	0 - ?	psi
Change in Time	1.75	min			

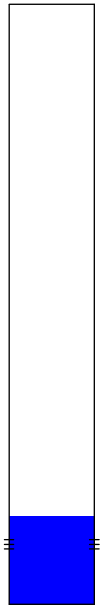
Group: 2020 Sandridge Grp 1 Well: Harmon 1 (acquired on: 01/21/20 10:20:08)

Production

	Current	Potential	
Oil	0	- * -	BBL/D
Water	1	- * -	BBL/D
Gas	- * -	- * -	Mscf/D

IPR Method	Vogel	
PBHP/SBHP	- * -	
Production Efficiency	0.0	
Oil	40	deg.API
Water	1.05	Sp.Gr.H2O
Gas	0.71	Sp.Gr.AIR
Acoustic Velocity	1240.7	ft/s

Casing Pressure
471.8 psi (g)
Casing Pressure Buildup
0.2 psi
1.75 min
Gas/Liquid Interface Pressure
527.8 psi (g)
Liquid Level Depth
4230.80 ft
Tubing Intake Depth
- * - ft
Formation Depth
4506.00 ft



Static

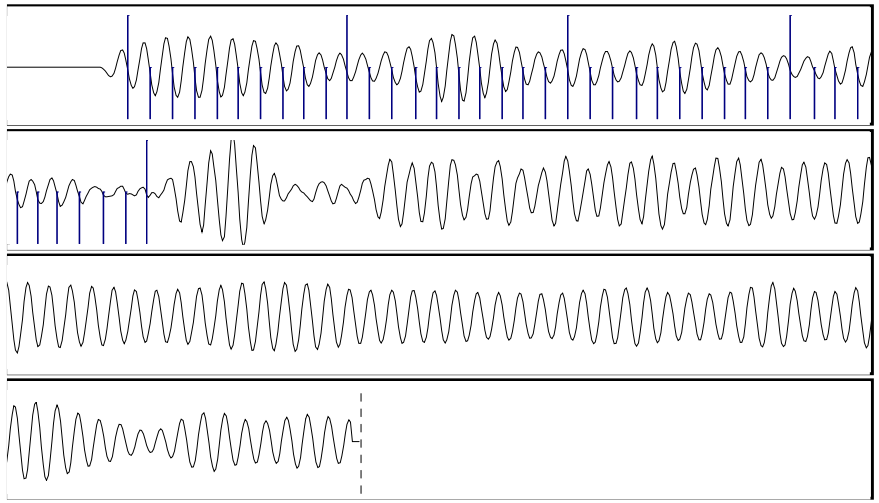
Oil Column Height
MD 0 ft

Water Column Height
MD - * - ft

Static BHP
648.3 psi (g)

220' Above Intake 471 CSG PSI

Group: 2020 Sandridge Grp 1 Well: Harmon 1 (acquired on: 01/21/20 10:20:08)



19.50

19.89

Acoustic Velocity	1240.7	ft/s	Joints counted	40	
Joints Per Second	19.5695	jts/sec	Joints to liquid level	133.464	
Depth to liquid level	4230.8	ft	Filter Width	17.2308	21.2308
Automatic Collar Count	Yes		Time to 1st Collar	0.28	2.324

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

Kansas
Corporation Commission

Phone: 316-337-7400
Fax: 316-630-4005
http://kcc.ks.gov/

February 10, 2020

Diane Overbey
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 Diane Overbey:

"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 02/10/2021.

* 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 02/10/2021.

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

Very truly yours,

Steve VanGieson"