

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

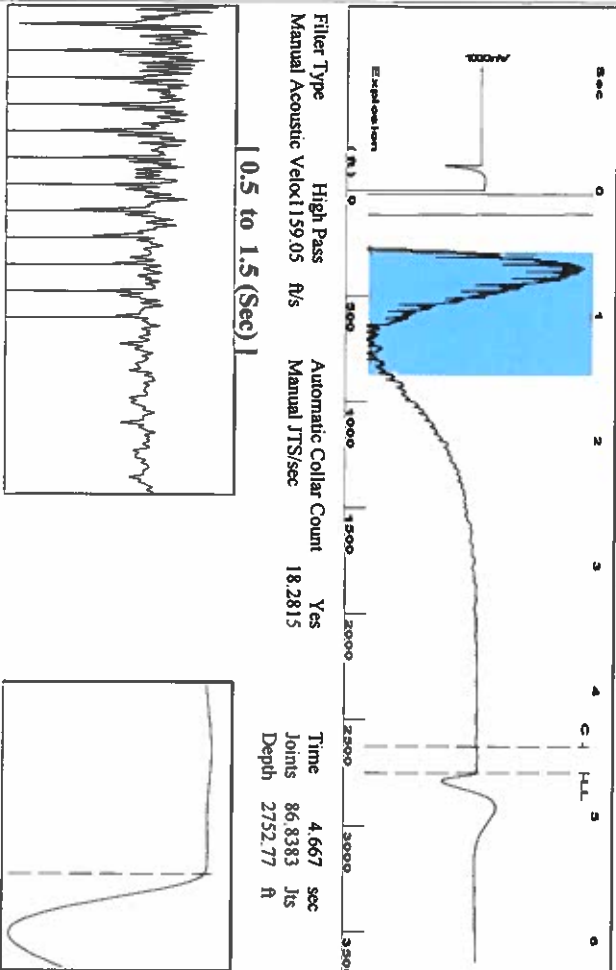
Submitted Electronically

<b>Do NOT Write in This Space - KCC USE ONLY</b>	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

Group: TAD Well: harms b-2 (acquired on: 10/30/19 10:07:24)



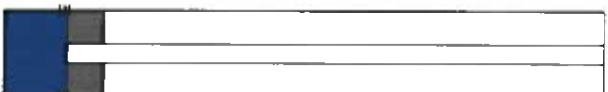
Filter Type High Pass Automatic Collar Count Yes  
 Manual Acoustic Velocity 159.05 ft/s Manual JTS/sec 18.2815  
 Time 4.667 sec  
 Joints 86.8383 Jts  
 Depth 2752.77 ft

0.5 to 1.5 (Sec) |

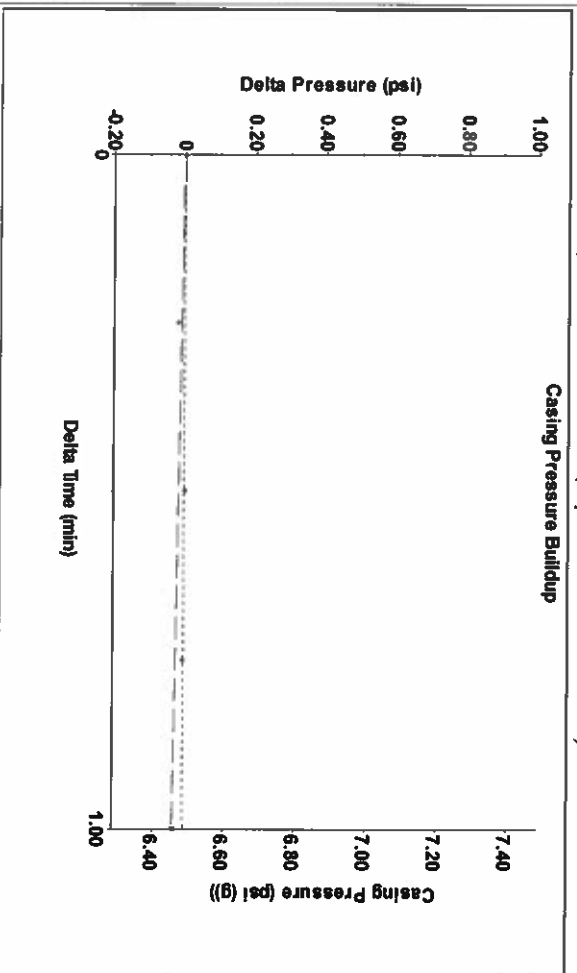
Analysis Method: Automatic

Group: TAD Well: harms b-2 (acquired on: 10/30/19 10:07:24)

Production	Potential	Casing Pressure	Producing
Current	BBL/D	6.5 psi (g)	Liquid
Oil	BBL/D	-0.029 psi	Annular Gas Flow
Water	Mscf/D	1.00 min	% Liquid
Gas	Mscf/D	8.1 psi (g)	100 %
IPR Method	Vogel	Gas/Liquid Interface Pressure	Liquid Stream Below Tubing
PBHP/SBHP	0.0	2752.77 ft	Oil
Production Efficiency		Pump Intake Depth	Water
		2984.00 ft	100 %
Oil 40 deg API		Formation Depth	Liquid Below Tubing
Water 1.05 Sp.Gr.H2O		3000.00 ft	100 %
Gas 0.82 Sp.Gr.AIR			
Acoustic Velocity 1179.68 ft/s			
Formation Submergence			
Total Gaseous Liquid Column HT (TVD)			
Equivalent Gas Free Liquid HT (TVD)			
Acoustic Test			

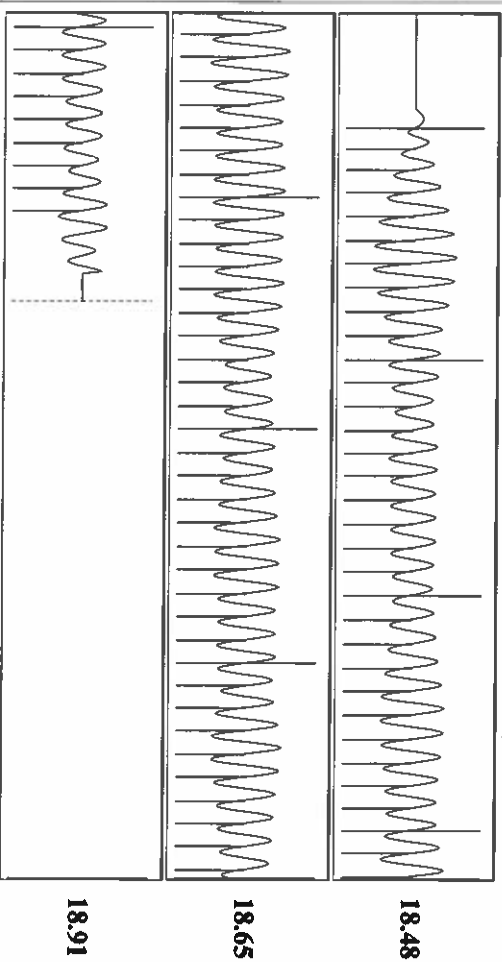


Group: TAD Well: harms b-2 (acquired on: 10/30/19 10:07:24)



Change in Pressure -0.03 psi PT8197 Range  
 Change in Time 1.00 min 0 - ? psi

Group: TAD Well: harms b-2 (acquired on: 10/30/19 10:07:24)



Acoustic Velocity	1179.68 ft/s	Joints counted	78
Joints Per Second	18.6069 ft/sec	Joints to liquid level	86.8383
Depth to liquid level	2752.77 ft	Filter Width	16.2815
Automatic Collar Count	Yes	Time to 1st Collar	0.264
			4.456

**Lease:** HARMS 'B' 2  
**Operator:** OXY USA Inc.  
**Location:** SE SE NW T28S, R35W, Sec. 22  
**Cumulative Production:** 978150 mcf (from 1976 to 2012)  
**KS Dept. of Revenue Lease Code:** 207268  
**KS Dept. of Revenue Lease Name:** HARMS 2-B  
[View T1 PDF \(from KCC\)](#)  
**Field:** [Panoma Gas Area](#)  
**County:** Grant  
**Producing Zone:** Council Grove Group  
**Well Data (may be an incomplete list):**  
[T28S R35W, Sec. 22, SE SE SE NW](#)  
**Lease:** Harms 'B' 2  
**Operator:** Cities Service Oil Co.  
**Current Operator:** Merit Energy Company, LLC  
**API Number:** 15-067-20367

Data are received monthly from the Kansas Department of Revenue.

Flash charts are working sporadically.

If the "Loading" blue box doesn't go away quickly, close the tab and try again from this page.

### Annual Gas Production, (mcf)

Please Note: New charting system is under development.

Year	Production	Wells
<b>Production Charts</b> <a href="#">New Chart System</a> <a href="#">Flash Chart</a> <b>Flash Charts are working again.</b> You may need to grant permission for Flash to run in your web browser.		
1976	70,550	1
1977	58,012	1

### Recent Monthly Gas Production, (mcf)

(Complete production available in file saved using blue button at top of page.)

Year	Month	Production	Wells	Reporter or Purchaser/ Reporting Customer
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Note: New charting system is under development

Year	Production	Wells
<b>Production Charts</b> <a href="#">New Chart System</a> <a href="#">Flash Chart</a> <b>Flash Charts are working again.</b> You may need to grant permission for Flash to run in your web browser.		
1976	70,550	1
1977	58,012	1
1978	47,978	1
1979	56,871	1
1980	40,927	1
1981	42,559	1
1982	13,234	1
1983	20,378	1
1984	29,034	1
1985	45,385	1
1986	47,230	1
1987	15,090	1
1988	22,139	1
1989	45,811	1
1990	34,303	1
1991	13,892	1
1992	18,329	1
1993	27,082	1
1994	25,401	1
1995	34,369	1
1996	32,138	1
1997	29,330	1
1998	26,908	1
1999	24,655	1
2000	22,296	1
2001	17,313	1
2002	18,567	1
2003	17,313	1
2004	17,097	1
2005	15,475	1
2006	13,390	1
2007	12,715	1
2008	11,982	1
2009	2,588	1
2010	11	1
2011	5,220	1
2012	2,578	1

November 12, 2019

Katherine McClurkan  
Merit Energy Company, LLC  
13727 Noel Road, Suite 1200  
Dallas, TX 75240

Re: Temporary Abandonment  
API 15-067-20367-00-00  
Harms B 2  
NW/4 Sec.22-28S-35W  
Grant County, Kansas

Dear Katherine McClurkan:

"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 11/12/2020.

- \* 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 11/12/2020.

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

Very truly yours,

Michael Maier"