

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1364122
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1364122

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Packard, Lynn
Well Name	PACKARD 2-27
Doc ID	1364122

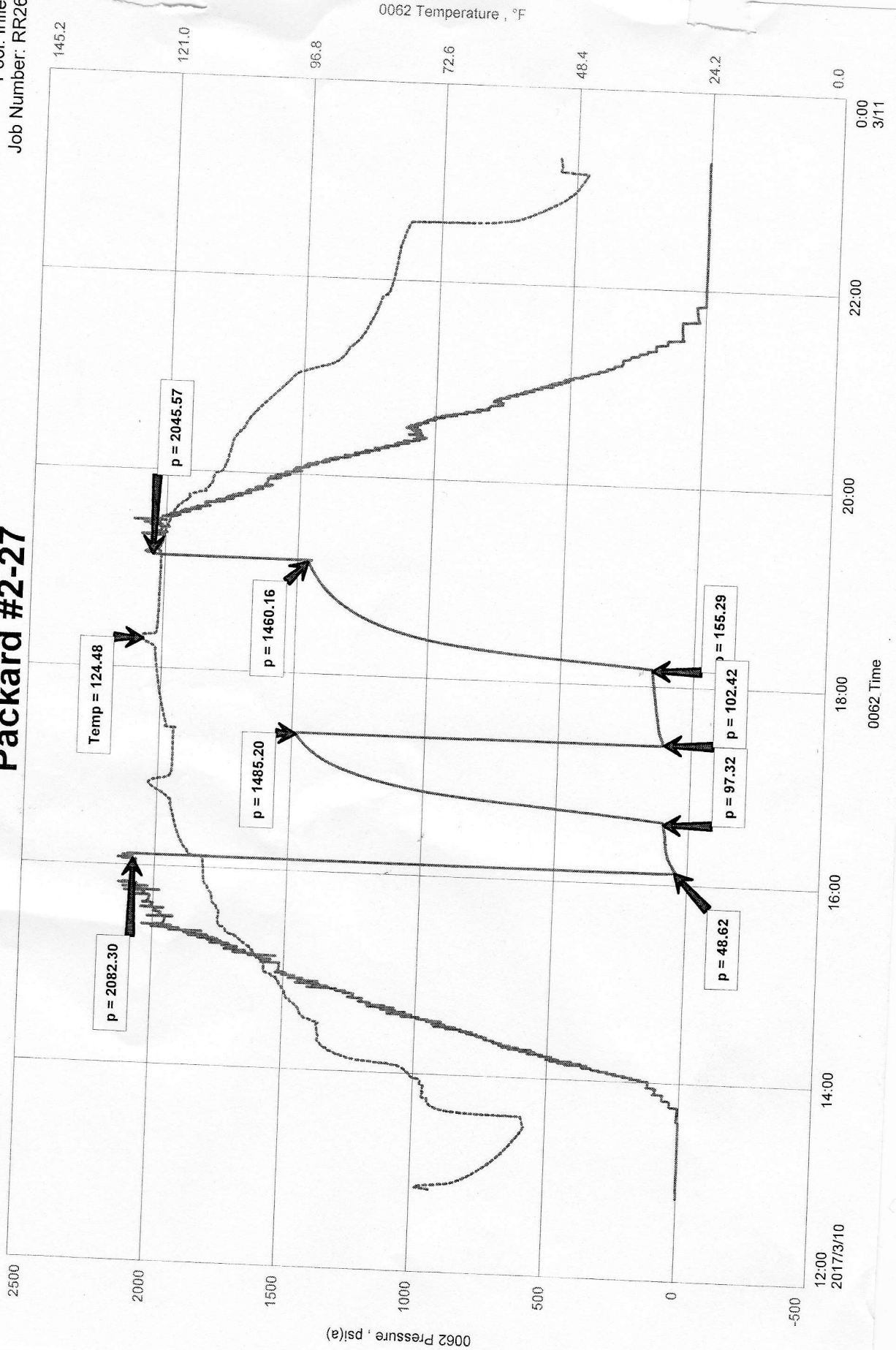
All Electric Logs Run

Dual Induction
Compensated Density
Neutron
Sonic Cement Bond

Lynn Packard
Dst 1 Miss (4207-4239)
Start Test Date: 2017/03/10
Final Test Date: 2017/03/10

Packard #2-27
Formation: Dst 1 Miss (4207-4239)
Pool: Infield
Job Number: RR267

Packard #2-27



Customer LYNN PACKARD Lease No. _____ Date _____
 Lease PACKARD Well # 227 3-3-17
 Field Order # 14943 Station PRATT KS Casing 8 5/8 Depth _____ County BARBER State KS
 Type Job CNW 8 5/8 SURFACE Formation _____ Legal Description 27-315-13W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>8 5/8</u>	Tubing Size	Shots/Ft		Acid <u>175 SACS 60/40 82</u>	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad <u>3/6 CC 1/4 CE SURFACE</u>	Max		5 Min.	
Volume	Volume	From	To	Pad <u>2 BBL</u>	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative _____ Station Manager SCOTTY Treater M'GUIRE

Service Units	<u>70752</u>	<u>38119</u>	<u>19570</u>	<u>70759</u>	<u>19862</u>				
Driver Names	<u>M'GUIRE</u>	<u>CHADD</u>		<u>ED</u>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>1445</u>					<u>ON LOCATION SAFETY MTL</u>
<u>2140</u>					<u>RIG UP</u>
<u>2147</u>				<u>5</u>	<u>START H2O AHEAD</u>
					<u>MIX 175 SACKS 60/40 POZ @ 14 3/4"</u>
					<u>CIRCULATION THRU JOB</u>
<u>2157</u>			<u>36</u>	<u>5</u>	<u>CEMENT TO SUREFILL</u>
<u>2158</u>	<u>250</u>	<u>250</u>	<u>42</u>	<u>5</u>	<u>START DISPLACEMENT</u>
<u>2202</u>			<u>132</u>		<u>SHUT DOWN</u>
					<u>JOB COMPLETE</u>
					<u>THANK YOU</u>



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
Packard2-27Dst1

Company Lynn Packard Lease & Well No. Packard No. 2-27
Elevation 1575 EGL Formation Mississippi Effective Pay Ft. Ticket No. RR267
Date 3-10-17 Sec. 27 Twp. 31S Range 13W County Barber State Kansas
Test Approved By Wyatt Urban Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4,207 ft. to 4,239 ft. Total Depth 4,239 ft.
Packer Depth 4,202 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,207 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,195 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,211 ft. Recorder Number 8471 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Landmark Drilling, LLC - Rig 1 Drill Collar Length 232 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 47 Weight Pipe Length ft I.D. in.
Weight 9.5 Water Loss 9.6 cc. Drill Pipe Length 3,943 ft I.D. 3 1/2 in.
Chlorides 4,500 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 32 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: 1 in. blow increasing. Off bottom of bucket in 35 secs. 6 in. blow back during shut-in.

2nd Open: 1 in. blow increasing. Off bottom of bucket in 45 secs. Gas to surface in 13 mins. Bottom of bucket blow back during shut-in.

Recovered 3,557 ft. of gas in pipe
Recovered 92 ft. of oil specked mud = 1.309160 bbls. (Grind out: 100%-mud w/few oil specks)
Recovered 62 ft. of oil specked, slightly gas & water cut mud = .882260 bbls. (Grind out: 5%-gas; 3%-oil; 5%-water; 87%-mud)
Recovered 232 ft. of slightly oil cut, gas cut muddy water = 1.141440 bbls. (Grind out: 15%-gas; 5%-oil; 55%-water; 25%-mud)
Recovered 386 ft. of TOTAL FLUID = 3.332860 bbls. Chlorides: 65,000 Ppm PH: 7.0 RW: .15 @ 45°
Recovered ft. of
Remarks Tool Sample Grind Out: Blown out!

Time Set Packer(s) 4:07 P.M. Time Started off Bottom 7:07 P.M. Maximum Temperature 124°
Initial Hydrostatic Pressure.....(A) 2082 P.S.I.
Initial Flow Period.....Minutes 30 (B) 49 P.S.I. to (C) 97 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1485 P.S.I.
Final Flow Period.....Minutes 45 (E) 102 P.S.I. to (F) 155 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1460 P.S.I.
Final Hydrostatic Pressure.....(H) 2046 P.S.I.



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Lynn Packard	Cement Pump No.:	37723, 19919 4Hrs.	Operator TRK No.:	78938
Address:	8113 NW River Rd	Ticket #:	1718 14313 L	Bulk TRK No.:	14354, 37725 Santiago
City, State, Zip:	Medicine Lodge, Ks. 67104	Job Type:	Z42 - Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Packard 2-27	Well Location:	27,31,13	County:	Barber
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA2	300	10% SALT, 1% C-15, 5# GILSONITE, 1/4# CELLOFLAKE, 1/4# C-41P	14354, 37725 Santiago	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	14.6	1.5	6.72	450	Man Hours:	10
Tail:					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
23:00							ON LOCATION
23:05							SAFETY MEETING & WAIT
6:00 AM							RIG TO CIRCULATE
6:15 AM							RIG UP
6:30 AM							RIG TO P.T.
7:00							PRESSURE TEST TO 2500PSI
7:02		11.9					PUMP 500GAL. MUD FLUSH
7:09 AM	3.4	13.3 slurry				150	PUMP 50SX @ 14.6# RAT & MOUSE HOLES
7:15	7	66.7 slurry				270	PUMP 250SX @ 14.6# DOWN CASING
7:29							SHUTDOWN / W.P. / DROP LATCH DOWN
7:35	7.1	10				40	DISPLACE
	7	20				110	
	7	30				110	
	7	40				250	
	6.7	50				480	
7:45	6.6	58				650	SLOW RATE TO 2.0B.P.M. @ 540PSI
	2	60				550	
7:50	1.8	68				700	LAND PLUG PRESSURE UP TO 1650PSI
							RELEASE BACK --- FLOAT
							JOB COMPLETE

Size Hole	7 7/8"	Depth			TYPE	PLUG CONTAINER	
Size & Wt. Csg.	4 1/2" 10.5#	Depth	4320'	New / Used	Packer	Depth	
tbg.		Depth			Retainer	Depth	
Top Plugs		Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	3/12/2017