Confidentiality Requested: Yes No

# KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1155711

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

Address 1:	OPERATOR: License #	API No. 15
Address 2:	Name:	Spot Description:
City:	Address 1:	
Contact Person:	Address 2:	Feet from  North / South Line of Section
Phone:	City: State: Zip:+	Feet from East / West Line of Section
CONTRACTOR: License #	Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Name:       (e.g. xxxxxxx)         Wellsite Geologist:       (e.g. xxxxxxx)         Purchaser:       (e.g. xxxxxx)         Designate Type of Completion:       (e.g. xxxxxx)         New Well       Re-Entry       Workover         Oil       WSW       SUOW         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.       Field Name:       Producing Formation:         CM (Coal Bed Methane)       SIGW       Total Vertical Depth:       Plug Back Total Depth:         Coperator:       Original Total Depth:       Plug Back       Feet         Mell Name:       Original Total Depth:       Feet       If Alternate II completion, cement circulated from:       Feet         Mell Name:       Conv. to GSW       Conv. to SWD       Drilling Fluid Management Plan       Starward from the Reserve Pit)         Chioride content:       #:       Coation of fluid disposal if hauled offsite:       Dewatering method used:       Location of fluid disposal if hauled offsite:         Operator Name:       Location of fluid disposal if hauled offsite:       Operator Name:       Operator Name:       Operator Name:	Phone: ()	
Name:	CONTRACTOR: License #	GPS Location: Lat:, Long:
Wellsite Geologist:	Name:	
Purchaser:	Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Designate Type of Completion:	Purchaser:	County:
New Well       Re-Entry       Workover         Oil       WSW       SWD       SIOW         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.       Field Name:         CM (Coal Bed Methane)       Cathodic       Other (Core, Expl., etc.):       Itel Vertical Depth:       Plug Back Total Depth:         Multiple Stage Cementing Collar Used?       Yes       No         If Workover/Re-entry: Old Well Info as follows:       If yes, show depth set:       Feet         Operator:       Original Total Depth:       Feet         Well Name:       Original Total Depth:       Feet         Original Comp. Date:       Original Total Depth:       Multiple Stage Cement circulated from:       Feet         Original Comp. Date:       Original Total Depth:       Multiple Fluid Management Plan       Fluid Management Plan         Oual Completion       Permit #:       Chorv. to SWD       Dewatering method used:       Dewatering method used:       Dewatering method used:         Dewatering method used:       Location of fluid disposal if hauled offsite:       Operator Name:       Operator Name:	Designate Type of Completion:	Lease Name: Well #:
Producing Formation:         Oil       WSW         Gas       D&A         OG       GSW         OG       GSW         Cond Coal Bed Methane)       Temp. Abd.         Comming Cathodic       Other (Core, Expl., etc.):         If Workover/Re-entry: Old Well Info as follows:       Multiple Stage Cementing Collar Used?       Yes No         If Workover/Re-entry: Old Well Info as follows:       If yes, show depth set:       Feet         Original Comp. Date:       Original Total Depth:       feet depth to:       w/         Original Comp. Date:       Original Total Depth:       multiple Stage Content the Reserve Pit)         Choride content:       w/       sx cmt.         Original Comp. Date:       Original Total Depth:       W/         Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD         Dual Completion       Permit #:       Chloride content:       ppm Fluid volume:       bbls         Dewatering method used:       Location of fluid disposal if hauled offsite:       Operator Name:       Operator Name:       Operator Name:		Field Name:
Gas D&A ENHR SIGW   OG GSW Temp. Abd.   CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):   Cathodic Other (Core, Expl., etc.):   If Workover/Re-entry: Old Well Info as follows:   Operator:   Original Comp. Date:  Original Total Depth:    Deepening Re-perf.   Commingled Permit #:   Plug Back Conv. to BNHR   Ousl Completion Permit #:   SWD Permit #:   SWD Permit #:   GSW Permit #:   GSW Permit #:		Producing Formation:
Gas D&A ENHR SIGW   OG GSW Temp. Abd.   CM (Coal Bed Methane) Amount of Surface Pipe Set and Cemented at: Feet   Cathodic Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? Yes No   If Workover/Re-entry: Old Well Info as follows: If yes, show depth set: Feet   Operator:		Elevation: Ground: Kelly Bushing:
OG       GSW       Iemp. Add.         CM (Coal Bed Methane)       Amount of Surface Pipe Set and Cemented at: Feet         Multiple Stage Cementing Collar Used?       Yes No         If Workover/Re-entry: Old Well Info as follows:       If yes, show depth set: Feet         Operator:		
Convertion Convertion   Commingled Permit #:   Completion Permit #:   Convertion Convertion   Completion Permit #:   SWD Permit #:   Convertion Convertion   Convertion Permit #:   Convertion Convertion   Completion Permit #:   Convertion Convertion   Convertion		
If Workover/Re-entry: Old Well Info as follows:   Operator:   Well Name:   Well Name:   Original Comp. Date:   Original Comp. Date:   Original Total Depth:   Deepening   Re-perf.   Conv. to ENHR   Conv. to GSW   Conv. to GSW   Conv. to GSW   Conv. to GSW   Commingled   Permit #:   SWD   Permit #:   SWD   Permit #:   GSW   If yes, show depth set: Feet   If yes, show depth set: Feet		
Operator:		
Well Name:	If Workover/Re-entry: Old Well Info as follows:	
Original Comp. Date: Original Total Depth:   Deepening Re-perf.   Original Total Depth:     Deepening   Re-perf.   Conv. to ENHR   Conv. to GSW   Conv. to GSW   Conv. to GSW   Conv. to GSW   Conv. to Producer   Dual Completion   Permit #:   SWD   Permit #:   SWD   Permit #:   GSW                  Original Total Depth:     Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name: Operator Name:	Operator:	If Alternate II completion, cement circulated from:
Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD         Plug Back       Conv. to GSW       Conv. to Producer       (Data must be collected from the Reserve Pit)         Commingled       Permit #:	Well Name:	feet depth to:w/sx cmt.
Plug Back       Conv. to GSW       Conv. to Producer       (Data must be collected from the Reserve Pit)         Commingled       Permit #:       Chloride content: ppm Fluid volume:       bbls         Dual Completion       Permit #:       Dewatering method used:	Original Comp. Date: Original Total Depth:	
Plug Back       Conv. to GSW       Conv. to Producer       (Data must be collected from the Reserve Pit)         Commingled       Permit #:       ppm Fluid volume:bbls         Dual Completion       Permit #:       Dewatering method used:         SWD       Permit #:       Location of fluid disposal if hauled offsite:         GSW       Permit #:       Operator Name:	Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Commingled       Permit #:         Dual Completion       Permit #:         SWD       Permit #:         ENHR       Permit #:         GSW       Permit #:	Plug Back Conv. to GSW Conv. to Producer	
Commingled       Permit #:         Dual Completion       Permit #:         SWD       Permit #:         ENHR       Permit #:         GSW       Permit #:		Chloride content: ppm Fluid volume: bbls
Dual Completion       Permit #:	Commingled Permit #:	
ENHR         Permit #:         Operator Name:           GSW         Permit #:         Operator Name:		
GSW         Permit #:         Operator Name:	SWD Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:		Operator Name:
	GSW Permit #:	

Spud Date or **Recompletion Date**  Date Reached TD

Completion Date or **Recompletion Date** 

Chloride content:	_ppm	Fluid volume:	bbls
Dewatering method used:			
Location of fluid disposal if haule	d offsit	ie:	
Operator Name:			

\_\_\_S. R. \_\_\_\_\_ East \_\_ West Quarter\_\_\_\_ \_ Sec. \_\_\_\_\_ Twp.\_\_\_\_ 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:

	Page Two	1155711
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional Shee	ets)	Yes No		C C	on (Top), Depth ar		Sample
Samples Sent to Geologic	cal Survey	Yes No	Nam	16		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-o		ew Used	ion 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 / SQU	JEEZE RECORD			

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No (If No, skip questions 2 and 3) (If No, skip question 3)

No

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					ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed	l Producti	ion, SWD or ENHF	<b>}</b> .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Solo	a 🗌 u	Jsed on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Su	bmit ACO	)-18.)		Other <i>(Specify)</i>		(Submit /	,	(Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	Redland Resources, Inc.
Well Name	BARBARA 33-11
Doc ID	1155711

All Electric Logs Run

DUAL INDUCTION
NEUTRON DENSITY
MICROLOG
SONIC

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

August 19, 2013

ALAN THROWER Redland Resources, Inc. 6001 NW 23RD ST OKLAHOMA CITY, OK 73127-1253

Re: ACO1 API 15-083-21882-00-00 BARBARA 33-11 SW/4 Sec.33-23S-24W Hodgeman County, Kansas

**Dear Production Department:** 

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, ALAN THROWER



MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. Box 106 = Purcell, Oklahoma 73080 OFFICE 405/527-6038 = Home 405/527-5200 = Mobile 405/823-4493 = Fax 405/527-7629 = E-Mail: mopexpl@dol.com

# GEOLOGICAL REPORT BARBARA 33-11 SW/4 SEC. 33-T23S-R24W HODGEMAN COUNTY, KANSAS

## Summary

The above noted well was drilled to a depth of 4,900 feet on May 18, 2013. A one-man logging unit was on location from 3,650 feet, with one-man logging beginning at 3,850 feet. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Micro-log, and Compensated Sonic. From the data collected while drilling and analyzing, 30 feet of potential hydrocarbon shows were encountered in the Mississippian. The decision was made to set production casing and complete the well in the Mississippian.

# Mississippian

The top of the Mississippian was encountered at 4,668 (-2,226) feet. A total of 14 feet of "caprock" consisting of cherty limestone was cut before the Spergen Dolomite was encountered. The dolomite samples were encountered at 4,682 (-2,240) feet and described as tan, brown, and dark brown. Textures were noted as inter-crystalline and very sucrosic with excellent inter-crystalline and vugular porosity. Abundant yellow fluorescence was noted along with flash cuts, dark oil staining, and strong oil odors. The gas chromatograph recorded a kick of 90 units. The electric logs indicated a porosity interval of 30 feet averaging over 24% and as high as 30% and 27% in the upper two zones. A drill stem test was performed to the upper 8 feet of the Spergen Dolomite to further evaluate the interval with results below.

DST # 1 (4,672'-4,690'), 15 - 30 - 30 - 60 Recovery: 219' gas cut oily water (30% G, 30% O, & 40% W), 315' gas cut watery oil (15% G, 30% W, 55%O),

189' oil cut water (5% O, 95% W)

Flowing pressures: 80-216/150-303

Shut-in pressures: 1336/1345

# **ELECTRIC LOG TOPS**

RE	DLAND RESOURCES	FALCON EXPLORATION	BANKS LEE OIL
	BARBARA 33-11	STANGE #1	HUMPHREY #1
	SW/4	NW/4	SW/4
	33-T23S-R24W	33-T23S-R24W	33-T23S-R24W
BS. HEEBNER	3,956'	3,984'	4,012'
(Subsea)	(-1,514')	(1,528')	(-1,522')
T/STARK	4,316'	4,344'	4,378'
(Subsea)	(-1,874')	(-1,888')	(-1,888')
T/CHEROKEE SI	H. 4,556'	4,596'	4,630'
(Subsea)	(-2,114')	(-2,140')	(-2,140')
T/INOLA	4,638'	4,667'	4,712'
(Subsea)	(*2,196')	(-2,211')	(-2,222')
T/MISSISSIPPIA	N 4,668'	4,696'	4,748'
(Subsea)	(-2,226')	(-2,240')	(-2,258')

# Conclusion

The Barbara 33-11 was drilled for the potential hydrocarbon production in the Mississippian which should be commercially productive. After all the data was collected and analyzed, the decision was made to set casing and attempt completion in the Mississippian.

Respectfully Submitted

.

BUP\_\_\_\_

Bill Busch Petroleum Geologist 5/20/13

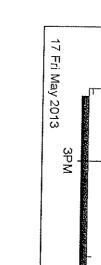
Time Tool Opened: 16:38:45 Time Test Ended: 21:35:45 Interval: 4670.00 ff (KB) To 4688.00 ff (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8675 Serial #: 8675 Start Date: 2013.05.17 End Date: 2013.05.17 End Date: 2013.05.17 Time Off Btm: 2013.05. TEST COMMENT: B.O.B. in 6 1/2 min. Bied off for 5 min. No return blow B.O.B. in 8 min. B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B	man,no		
Oklahoma City OK 73127-1253     Job Ticket: 53065       ATTN: Alan Throw er     Test Start: 2013.05.11       GENERAL INFORMATION:     Formation:     Mississippi       Deviated:     No     Whipstock:     ft (KB)       Time Tool Opened: 16.38.45     Test Type: Conventi     Jace Mol       Time Tool Opened: 16.38.45     Test Type: Conventi     Jace Mol       Interval:     4670.00 ft (KB) TO 4688.00 ft (KB) (TVD)     Reference Elevations:       Total Depth:     4686.00 ft (KB) (TVD)     Reference Elevations:       Total Depth:     2013.05.17     End Date:     2013.05.17       Start Date:     2013.05.17     End Start:     2013.05.17       Start Date:     2013.05.17     End Start:     213.05.17       Start Date:     2013.05.17     End Start:     213.05.17       Start Date:     2013.05.17     End Start:     213.05.17       Time Off Btm:     2013.05.17     End Start:     Time Off Btm:     2013.05.17       Test TooMMENT:     B.O.B. in 6 1/2 min. <td< th=""><th></th></td<>			
ATTN: Alan Thrower Test Start: 2013.05.11 GENERAL INFORMATION: Formation: Miss is sippi Deviated: No Whisblock: ft (KB) Trem Test Ended: 2133.45 Interval: 4670.00 ft (KB) To 4688.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair KB to GRVCF Serial #: 8675 Inside Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Start Date: 2013.05.17 End Date: 2013.05.17 EST COMMENT: B.O.B. in 6 1/2 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 6 1/2 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. in 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. Bied off for 5 min. No return blow B.O.B. In 8 min. B.O.B. In 8 min. B.O.B. In 8 min. B.O.B. In 8 min. B.O.B. B. B. Bied off for 5 min. No return blow B.O.B. B. B. Bied off for 5 min. No return blow B.O.B. B. B. B. B. B			
GENERAL INFORMATION: Formation: Mississippi Deviated: No Whipstock: ft (KB) Time Tool Opened: 16:38:45 Time Test Ended: 21:35:45 Interval: 4670.00 ft (KB) TO 4688.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8675 Start Date: 2013.05.17 End Date: 2013.05.17 End Date: 2013.05.17 End Date: 21:35:45 TEST COMMENT: B.O.B. in 6 1/2 min. Bied off for 5 min. No return blow B.O.B. in 8 min. B.O.B. in 8 min.	DST#:1		
Formation: Mississippi Deviated: No Whipstock: ft (KB) Test Type: Conventi Time Tool Opened: 16:38:45 Time Test Ended: 21:35:45 Time Tost Ended: 21:35:45 Total Depth: 4688.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF Serial #: 8675 Start Date: 2013.05:17 End Date: 2013.05:17 Last Calib.: Start Date: 2013.05:17 End Date: 2013.05.17 Last Calib.: Start Time: 14:35:15 End Time: 21:35:45 Time On Bim: 2013.05. TEST COMMENT: B.O.B. in 6 1/2 min. Bied off for 5 min. No return blow B.O.B. in 8 min. B.O.B. in 8 min. B.O.	@ 14:35:00		
Deviated: No Whipstock: ft (KB) Time Tool Opened: 16:38:45 Time Test Ended: 21:35:45 Interval: 4670.00 ft (KB) To 4688.00 ft (KB) (TVD) Total Depth: 4688.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8675 Start Date: 2013.05.17 End Date: 2013.05.17 Last Calib.: Start Time: 14:35:15 End Time: 21:35:45 Time On Birn: 2013.05. TEST COMMENT: B.O.B. in 6 1/2 min. Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. No return blow Start Date: 2013.05.17 Last Calib.: Time Off Birn: 2013.05. Time Off Case Table: 111.78 Open Time Min.) 2388.47 112.67 Initial H 17 216.32 124.22 Shut-Initial H 17 216.32 124.22 Shut-Initial H 18 (5 124.48 End Sh 113.6 123.07 Open Time Recovery Case Rates			
Total Depth: Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8675 Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Start Date: 2013.05.17 End Date: 2013.05.17 Last Calib.: 2013.05.17 Last Calib.: Time Off Btm: 2013.05. Time Off	nal Bottom Hole (Initial) inney		
Total Depth: Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8675 Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Capacity: Start Date: 2013.05.17 End Date: 2013.05.17 Last Calib.: 21:35:45 Time On Btm: 2013.05. Time Off Btm	2437.00 ft (KB)		
Serial #: 8675 Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Start Date: 2013.05.17 End Date: 2013.05.17 Last Calib.: Start Time: 14:35:15 End Time: 21:35:45 Time On Btm: 2013.05. TEST COMMENT: B.O.B. in 6 1/2 min. Bled off for 5 min. No return blow B.O.B. in 8 min. B.O.B. i	2430.00 ft (CF)		
Press@RunDepth: 302.77 psig @ 4671.00 ft (KB) Start Date: 2013.05.17 End Date: 2013.05.17 Last Calib.: Start Time: 14:35:15 End Time: 21:35:45 Time On Bim: 2013.05. TEST COMMENT: B.O.B. in 6 1/2 min. Bled off for 5 min. No return blow B.O.B. in 8 min. B.O.B.	KB to GR/CF: 7.00 ft		
TEST COMMENT: B.O.B. in 6 1/2 min. Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. Bled off fo	8000.00 psig 2013.05.17 7 @ 16:38:30		
Bled off for 5 min. No return blow B.O.B. in 8 min. Bled off for 5 min. No return blow Pressure vs. Time PRESSURE SUM Time (Min.) 2388.47 112.67 112.67 112.67 112.67 112.67 112.67 112.67 111.78 Open T 79.86 111.78 Open T 17 216.32 124.22 Shut-In 136 1344.65 124.48 135.79 123.53 End Sh Open T Shut-In End Sh Final Hy Recovery Recovery Gas Rates	7 @ 18:54:30		
200       1       79.86       111.78       Open T         10       17       216.32       124.22       Shut-In         46       1335.79       123.53       End Sh         46       149.60       123.07       Open T         76       302.77       125.77       Shut-In         136       1344.65       124.48       End Sh         136       1344.65       124.75       Final Hy         774.May 203       0M       0M       0M       136       2262.84       124.75       Final Hy         774.May 203       0M       0M       0M       0M       0M       0M       0M       0M         Recovery       Gas Rates			
Image: constraint of the second se	dro-static		
920       46       1335.79       123.53       End Sh         900       900       900       900       123.07       125.77       Shut-In-         900       900       900       900       900       136       1344.65       124.48       End Sh         136       1344.65       124.75       Final Hy       124.75       Final Hy         900       910       910       910       910       910       123.07       Open T         136       1344.65       124.48       End Sh       136       124.75       Final Hy         910			
46       149.60       123.07       Open T         76       302.77       125.77       Shut-In-         136       1344.65       124.48       End Sh         136       2262.84       124.75       Final Hy         76       302.77       125.77       Shut-In-         136       2262.84       124.75       Final Hy         76       302.77       125.77       Shut-In-         136       2262.84       124.75       Final Hy         76       302       7       125.77       Shut-In-         80       99       99       136       124.48       End Sh         136       2262.84       124.75       Final Hy       Final Hy         99       99       99       99       69       69       69         99       99       99       99       126.77       124.75       Final Hy         99       99       99       99       99       99       128.77       124.75         99       99       99       99       99       99       99       99       99         99       99       99       99       99       99       99       99<			
Recovery Gas Rates			
Image: second			
Image: Strike state state     Strike state       Strike state     Strike state       Recovery     Gas Rates	t-In(2) dro-static		
Recovery Gas Rates			
Length (11) Description Volume (bbt) Choke (inches) Pr			
	ssure (psig) Gas Rate (Mcf/c		
219.00 gcow 30%G 30%O 40%W 3.07			
315.00 gcw o 15%G 30%W 55%O 4.42			
189.00 ocw 5%O 95%W 2.65			

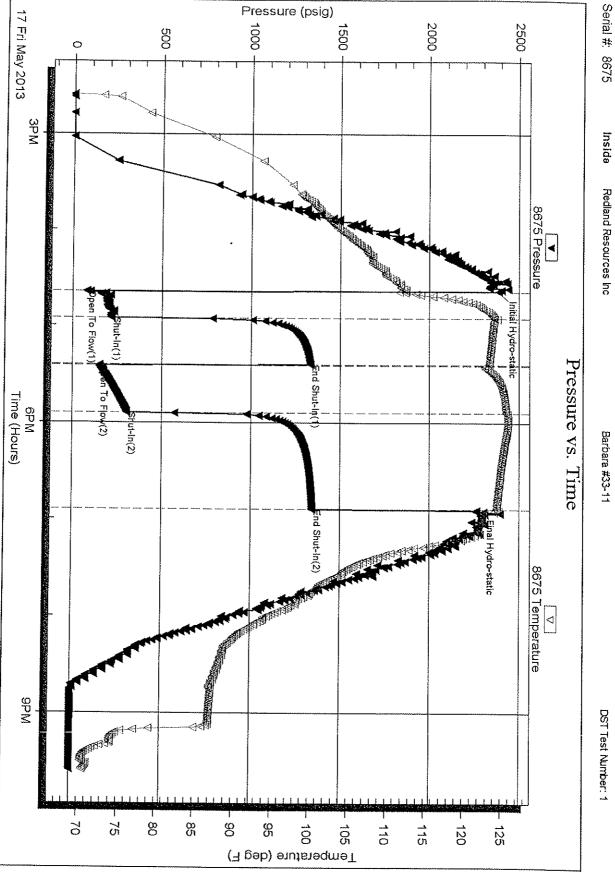
	'E	Redlar	nd Resources Inc	22_22~ 24		LUID SUMMAR		
ESTIN	IG . INC				33-23s-24w Hodgeman,KS			
			VW 23rd ST oma City OK 73127-1253		Barbara #33-11			
			Alan Throw er	Job Ticket:	53065 2013.05.17 @ 14	DST#:1		
					2013.03.17 @ 14	.35.00		
Mud and Cushion Inforn Aud Type: Gel Chem	nation				<b></b>			
Aud Weight: 10.00 lb/ga	al		Cushion Type: Cushion Length:	ft	Oil API: Water Salinity:	28 deg API		
/iscosity: 47.00 sec/			Cushion Volume:	bbl	water Gainity.	50000 ppm		
Vater Loss: 11.18 in <sup>3</sup>			Gas Cushion Type:					
Resistivity: ohm			Gas Cushion Pressure:	psig				
Salinity: 4100.00 ppm ilter Cake: 1.00 inch								
Recovery Information								
_			Recovery Table					
	Length ft	1	Description	Volume bbl				
		19.00	gcow 30%G 30%O 40%W	3.07	2			
		15.00	gcw o 15%G 30%W 55%O	4.41				
	1	89.00	ocw 5%O 95%W	2.65	1			
Total I.	ength:	723.	.00 ft Total Volume: 10.142 b	bl				
	luid Sample		Num Gas Bombs: 0	Serial #	<b>#:</b>			
	atory Name		Laboratory Location: 7: 29 @ 70 F = 28					
16000		RV	V.15 @ 70 F = 50,000					
			-					

Printed: 2013.05.22 @ 10:07:56

Ref. No: 53065

Trilobite Testing, Inc





#### ALLIED OIL & GAS SERVICES, LLC 060411 Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT; SOUTHLAKE, TEXAS 76092 Great Bend Ki 12-13 5-11-13 SEC: TWP 23 RANGE CALLED OUT ON LOCATION JOB START DATES-11-13 JOB FINISH SOO PM 1:00 A-M COUNTY LEASE Baptapa WELL # 33-11 STATE LOCATION Jatmone SSOUTH to ANG gostar OLD OR NEW (Circle one) 3/2 West North into CONTRACTOR Jule # 2 OWNER Sumo TYPE OF JOB Sugars T.D. 225 CEMENT CASING SIZE 85/9 DEPTH 222 AMOUNT ORDERED 50 Son Chan TUBING SIZE DEPTH 3Tocc 290 rul DRILL PIPE DEPTH TOOL DEPTH PRES. MAX 150 @ 17.90 <u>MINIMUM</u> COMMON 2.6 MEAS. LINE SHOE JOINT POZMIX $^{(a)}$ CEMENT LEFT IN CSG. 15 @ 23.40 70.20 GEL PERFS. CHLORIDE @ 64.00 320. DISPLACEMENT 3 bbls ASC\_ @ EOUIPMENT @ @ 0 PUMP TRUCK CEMENTER 1. 0 # 597 HELPER Charly Ke @ BULK TRUCK (c)#544-198 DRIVER 0 BULK TRUCK @ DRIVER @ 2. HANDLING 162.09 64 MILEAGE 7.4 X 36 X 692. **REMARKS:** 82 TOTAL 4.169. 222' of 8 3/8 cry, Broke Cure Niver 150 cher Clay 14 38000 290 Ave SERVICE loved with freeh H20 DEPTH OF JOB 222 ' PUMP TRUCK CHARGE 1512.35 EXTRA FOOTAGE 0 Cement Did cisculato MILEAGE HUM @ 7.70 277-29 36 lasal Approx MANIFOLD ..... @ @ 4.40 158 36 hUM ര CHARGE TO: Redland Resources 80 TOTAL 1. 9 47. STREET \_ CITY\_ STATE ZIP PLUG & FLOAT EQUIPMENT Kent @ 0 To: Allied Oil & Gas Services, LLC. @ You are hereby requested to rent cementing equipment @ @ and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or TOTAL contractor. I have read and understand the "GENERAL SALES TAX (If Any) --TERMS AND CONDITIONS" listed on the reverse side. 67 TOTAL CHARGES 6.117.

DISCOUNT

PRINTED NAMEX David Hickory SIGNATURE 2

1.223.<u>33</u> IF PAID IN 30 DAYS

# ALLIED OIL & GAS SERVICES, LLC 060417

Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 Ett Bind 5-19-13 5-18-13 RANGE TWP. CALLED OUT 10B FINISH SEC. ON LOCATION JOB START 7:4.SAA DATE 5-19-13 23 24 8,00 PM 2,000 AM STATE 1 Barbara COUNTY Hoggenau; WELL # 33-11 LOCATION Jutmere SSOUTH 3'sweet OLD OR NEW (Circle one) North CONTRACTOR 1) use \$2 Same OWNER TYPE OF JOB Groduction Botton Stage HOLE SIZE 7 1/2' T.D. 4900' CEMENT CASING SIZE 4/2" DEPTH 4894' AMOUNT ORDERED (75 A. LSC. 2 To sel **TUBING SIZE** DEPTH (20 Bypred, 10 & Salt, 5th Kolient/rh. DRILL PIPE DEPTH 14 Dellamer 12 das Black, 880 FI-1100 TOOL DEPTH PRES. MAX 1400\* MINIMUM 8005 COMMON 0 MEAS. LINE SHOE JOINT 20, 17 POZMIX 0 CEMENT LEFT IN CSG. 20.17 GEL 0 PERFS. CHLORIDE  $\textcircled{\baselinetwidth}{\b$ DISPLACEMENT 54,95 H=0 22.55 Mun @ 20.90 าาร ASC 3.657.50 @ . 98 857.59 815 USISCA) EOUIPMENT F1-160 @ 18.90 2.475.20 131 2.88.00 Gas Block 16 @18.00 PUMP TRUCK CEMENTER Dul 264.60 NF 27 @ 9.80 # 1000 12000 HELPER 529 @ 2.97 130. 48 44 floscal ň BULK TRUCK 0 #599 DRIVER ame @ BULK TRUCK (a)DRIVER Josh Trace # 570.20 HANDLING 2 30 @ 2.48 922.82 MILEAGE 9.84 X 36 X 2.60 **REMARKS:** TOTAL 9.167. 97 4894 of 4/2" can Hoolid yound Since Sugar SERVICE abr . Sbble H30, Mixed 125, 8, 450 290 Mr. Le 90 Hypred, 10% Salt, 5# Kolies DEPTH OF JOB 4894 Per Sart, with Reference, 190 Son Block PUMP TRUCK CHARGE. 380 FL-160. Warked Line Clean Referred EXTRA FOOTAGE\_\_\_\_\_ 75 2-765 @ Plug Displaced with Ht a shad Londed MILEAGE HUM @ 7.70 277. 2,0 36 Pluz 21400 W. alleat Held, MANIFOLD Head Rent @ 275.00 275.90 158.20 Lum 34 @ 4.40 @ CHARGE TO: Dedland Resources TOTAL 3.476.35 STREET \_\_\_\_ CITY\_\_\_\_ STATE ZIP PLUG & FLOAT EQUIPMENT @ 382. 39 382. 2 HEU Float Share ( <u>0</u> <u>272.61</u> <u>272.9</u> <u>0</u> <u>80.07</u> <u>630.9</u> <u>0</u> <u>315.90</u> <u>315.20</u> toldown Plug 272.51 636.63 ١Ŵ 7 - Tenho Centulis To: Allied Oil & Gas Services, LLC. Barbet @ 4.831. 0 4.831. 00 You are hereby requested to rent cementing equipment A.V Too and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTAL 6. 433. 33 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any)\_ TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES 19.077.15 3.815.43 IF PAID IN 30 DAYS DISCOUNT .

7a

15. 2.61.

printed name X David Hickman signature X David Lind

# ALLIED OIL & GAS SERVICES, LLC 060418

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

The Band

DATE 5-19-13	SEC. 33	TWP. 23	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASEBarbarg	WELL #	3-3-11	LOCATION	more GS 31	ho. Mato	COUNTY	STATE
OLD OR NEW (Ci	rcle one)					- 11-Co garren	<u>i</u>

CONTRACTOR Jule 2 TYPE OF JOB Quoduction Yes ste HOLE SIZE 7 1/3° T.D. 4900 CASING SIZE 41'2" DEPTH 4894 TUBING SIZE DEPTH

TUDING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL Stags collar	DEPTH 1418
PRES MAX 1500	MINIMUM 300
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG	······································
PERFS.	
DISPLACEMENT 22.55	······································

EQUIPMENT

PUMP TRUCK	CEMENTE	R-Tim Nichia
<u># (000</u>	HELPER	Planing Eddy
BULK TRUCK		0-
#609-241	DRIVER	Josh Freec
BULK TRUCK		
#	DRIVER	Non Carper.
	DRIVER	Non Larper

#### **REMARKS:**

Dropped Bong. Waited 1044m.
freiling to 250 4 and opened Store en
Callon- Civendate Lan 3 An Pumoes
Shop HED Pluged Added with 30.9 .
Miard 220 chy Dalung 539. Walled Line
Clean, Released Plus, Michael with
H20 Landed Plug St 1500t + Held.
Cament Die Circulate (70.4 to Pit)

CHARGE TO: Kad land A STREET .

CITY\_\_\_\_\_STATE \_\_\_\_\_ZIP

STATE ZIP.

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Hickman SIGNATURE

OWNER Same

	A., <sup>1</sup> / <sub>4</sub> #5		singer	- 134000
COMMON	34	@	17.90	537.00
POZMIX	20	@	9.35	187.00
GEL	13	@	23.40	304.20
CHLORIDE	10	@	64.00	640.00
ASC		@		
BOOK A	mo	@	2570	7.770.00
Gus Block	56	@	18.00	1008. 00
Flooral	74	@	2.97	219.78
<u> </u>	42	@	9.80	411.40
		@		
		@		
		_@		
	<u></u>	@		
HANDLING 414	. 45	@	2.48	1033.29
MILEAGE Y 2		-	2.60	1709.13

#### SERVICE

DEPTH OF JOB 1418	
PUMP TRUCK CHARGE	2213.2
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	
	@
	75

TOTAL 2213.

#### PLUG & FLOAT EQUIPMENT

@		
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 0		
0		
 @		
@		
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0		
 Q	***************	

TOTAL \_\_\_\_\_

SALES TAX (If Any)
TOTAL CHARGES 16033.
3.204.72
DISCOUNT IF PAID IN 30 DAYS
12.827.00

# ALLIED OIL & GAS SERVICES, LLC 059545 Federal Tax 1.D.# 20-5975804

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092					SERVICE POINT: Medicine Lobse KS				
DATE 6-27-2013	SEC 33	twp. 235	RANGE 24W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH		
LEASE Barbarg	WELL#	33-11	LOCATION J-21-	more KS	6 South	COUNTY HOLGemen	STATE		
OLD OR NEW (Cir			31/2 wast or	RXG n/m		110 offernan			
CONTRACTOR	+)]; qnc 10-eez-e	• · · · · · · · · · · · · · · · · · · ·	Service	OWNER 1	Zeelrne Res	Sources			
CASING SIZE 47	1/25	<u>T.D</u>	<u>.</u> РТН	_ CEMENT	RDERED 75	01			
TUBING SIZE 2	3/5	<u>e de</u> Dei	PTH 4410		RDERED <u>733</u>	22942 00	h nest		
DRILL PIPE			PTH	·····	<u> </u>				
TOOL Pgc	Cor	DE	PTH 4410'		N	.~			
	00 ps,'		NIMUM	_ COMMON_	A TSEX	@ 17.90	1342.50		
MEAS. LINE		SHO	<u>DE JOINT</u>	_ POZMIX _					
CEMENT LEFT IN	·····								
	4704		~		-	@			
DISPLACEMENT	11/14	<u>r 66/5</u>	fresh Leter	ASC		@			
	EQU	IPMENT	•	<b>.</b>		@			
						@	······		
PUMP TRUCK C	EMENT	ER DG1	rin F			@			
	IELPER	JGK		****		_ @			
BULK TRUCK					······································	@			
	DRIVER	Ron (	, ,	**.*		@			
BULK TRUCK						@			
<u>#</u>	DRIVER				176	@2.48	186.000		
				<ul> <li>HANDLING</li> <li>MILEAGE </li> </ul>		<u>_@Z-70</u> Z.60	366-60		
	17171	MARKS:		MILEAGE	PSC TOP O		the second se		
0					,	TOTA	1895.10		
Der Cemen	+ 103								
					SERVI	CE			
			······································				·····		
				DEPTH OF J	OB <u>4410'</u>	516 827	·····		
		<b>-</b> ,,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- PUMPTRUC	K CHARGE 2	010.07			
				EXTRA FOO	AGE	@			
				MILEAGE		@7.70	308.00		
			******		-34 34020	@	300-00		
				L.V_	-70	@4.40	176.00		
CHARGE TO:		ρ.				@	····		
			NIC-S			TOTA	3594.84		
UITY	ST.	ATE	ZIP		PLUG & FLOA	T EQUIPME	NT		
						@			
				17	l	@			
To: Allied Oil & O	as Servi	ces, LLC.		$-\gamma\gamma\gamma$	/	@			
			nenting equipment	-1-1					
and furnish cemen						@	,,		
		• • •	he above work was						
done to satisfaction						TOTA	L		
			nd the "GENERAL						
			I on the reverse side	SALES TAX	(If Any)				
				TOTAL CUA	RGES 5489	7.94			
	. <i>D</i> ₌ •	1111		TOTALCHA					
PRINTED NAME $\downarrow$	( savi	P MICKN	un	DISCOUNT			ID IN 30 DAYS		
PRINTED NAME )	0	1-1	<b>`</b>	(A) ST	t) 4391	1.95			
SIGNATURE Y	Klow	Section				- , -			
		- and the second							

SIGNATURE <u>x Romi Schoo</u> Thenic You!!!