



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1137597
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: _____



1137597

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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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

May 02, 2013

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

Re: ACO1
API 15-083-21877-00-00
EMILY 30-5
NW/4 Sec.30-23S-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: mapexpl@pol.com

GEOLOGICAL REPORT EMILY 30-5 NW SW NW SECTION 30 – T23S – R24W HODGEMAN COUNTY, KANSAS

SUMMARY

The above captioned well was drilled to a total depth of 4,900 feet on February 13, 2013. A one-man logging unit was on location from approximately 2,800 feet to TD, with one-man mud-logging beginning at 3,800 feet to TD. The well was under the geological supervision of the undersigned from approximately 4600 feet to TD. While drilling possible hydrocarbons shows were encounter in the Mississippian. A decision was made to run a Drill Stem Test for further evaluation. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Micro-Resistivity, and Compensated Sonic. After all the data was collected and evaluated, it was determined that the Mississippian Dolomites should be commercially productive. A decision was made to set pipe and complete the well in the above mentioned zone.

MISSISSIPPIAN

The top of the Mississippian was encountered at 4,739 (-2,231) feet. The upper four feet of the zone's samples were described as white, off white, cream, tan, fine micro-crystalline to inter-crystalline limestone which graded into a tan, light brown, very fine to fine crystalline, moderately friable, sucrosic, slightly cherty, dolomite throughout the rest of the zone. Some fresh white, tan, and opaque chert was observed. Abundant pin-point and inter-crystalline porosity was seen in the samples. Excellent oil odor, bright yellow to yellowish green fluorescence, brown staining, and streaming to flash cuts, were also observed. It was determined to run a drill stem test for further evaluation. The results are as follows:

DRILL STEM TEST #1 (4730'-4755')
30-60-30-60
RECOVERY: 67' MCO (35% MUD, 65% OIL)
124' MCO (45% MUD, 55% OIL)
303' GIP
FLOW PRESSURE 26-60/66-97
SHUT IN PRESSURE 1245/1231

Electric logs indicated 54 foot dolomite zone with an average porosity of 18-20% with some intervals as high as 27 and 25%.

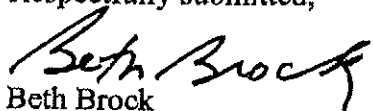
ELECTRIC LOG TOPS

	REDLAND EMILY 30-5 NW SW NW 30-T23S-R24W	REDLAND LIBBY 30-5 SW SW NW 30-T23S-R24W	REDLAND ANDREW 25-1 NE NE 25-T23S-R24W
CHASE (Subsea)	2550 (-38)	2562 (-50)	2552 (-38)
BS. HEEBNER (Subsea)	4008 (-1496)	4012 (-1499)	4005 (-1491)
STARK SH. (Subsea)	4366 (-1854)	4368 (-1855)	4362 (-1848)
CHEROKEE SH. (Subsea)	4615 (-2103)	4618 (-2105)	4604 (-2090)
MISSISSIPPIAN (Subsea)	4739 (-2227)	4725 (-2212)	4712 (-2198)
MISS. DOLOMITE (Subsea)	4743 (-2231)	4742 (-2229)	4731 (-2217)

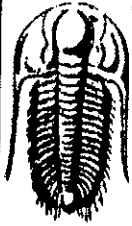
CONCLUSION

The Emily 30-5 was drilled for the continued development of Mississippian Dolomites. After all the data was collected and analyzed, it was determined that the zone should be commercially productive. A decision was made to set pipe and complete the well in above mentioned interval.

Respectfully submitted,



Beth Brock
Petroleum Geotech
2/15/13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Redland Resources Inc
6001 NW 23rd St
Oklahoma City OK 73127-1253
ATTN: David Hickman

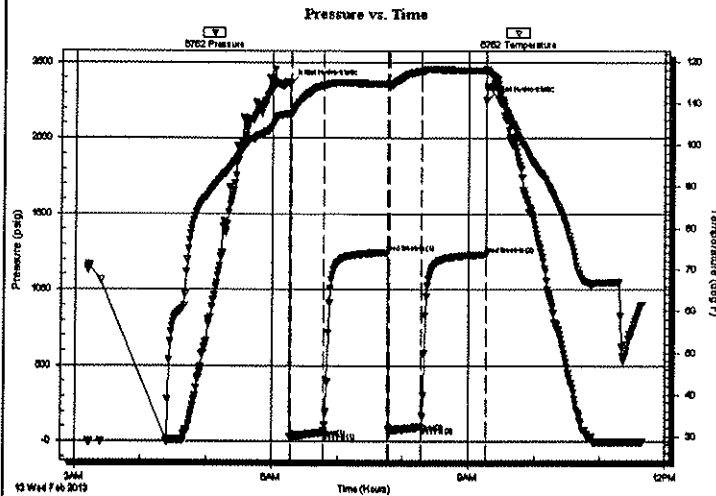
30 23s 24w Hodgeman
Emily 30-5
Job Ticket: 50322 DST#: 1
Test Start: 2013.02.13 @ 03:12:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: **2512.00 ft (KB)**
Time Tool Opened: **06:16:50**
Time Test Ended: **11:40:00**
Interval: **4730.00 ft (KB) To 4755.00 ft (KB) (TVD)**
Total Depth: **4755.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Jim Svaty**
Unit No: **41**
Reference Elevations: **2512.00 ft (KB)**
2504.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6752 **Inside**
Press@RunDepth: **97.37 psig @ 4752.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2013.02.13** End Date: **2013.02.13** Last Calib.: **2013.02.13**
Start Time: **03:12:01** End Time: **11:39:20** Time On Btm: **2013.02.13 @ 06:16:30**
Time Off Btm: **2013.02.13 @ 09:16:50**

TEST COMMENT: 30-IFP- BOB in 20min.
60-ISIP- Surface Blow
30-FFP- BOB in 12min.
60-FSIP- Surface Blow Building to 2in. in 15min.



PRESSURE SUMMARY

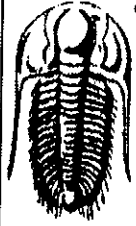
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2354.62	107.54	Initial Hydro-static
1	26.04	107.13	Open To Flow (1)
31	60.19	114.17	Shut-In(1)
90	1245.06	114.71	End Shut-In(1)
92	66.14	114.32	Open To Flow (2)
121	97.37	117.68	Shut-In(2)
180	1231.46	117.96	End Shut-In(2)
181	2249.59	118.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
67.00	MCO 35% m 65% o	0.94
124.00	MCO 45% m 55% o	1.74
0.00	303 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Redland Resources Inc
6001 NW 23rd St
Oklahoma City OK 73127-1253
ATTN: David Hickman

30 23s 24w Hodgeman
Emily 30-5
Job Ticket: 50322 DST#: 1
Test Start: 2013.02.13 @ 03:12:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	35 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
67.00	MCO 35%m 65%o	0.940
124.00	MCO 45%m 55%o	1.739
0.00	303 GIP	0.000

Total Length: 191.00 ft Total Volume: 2.679 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

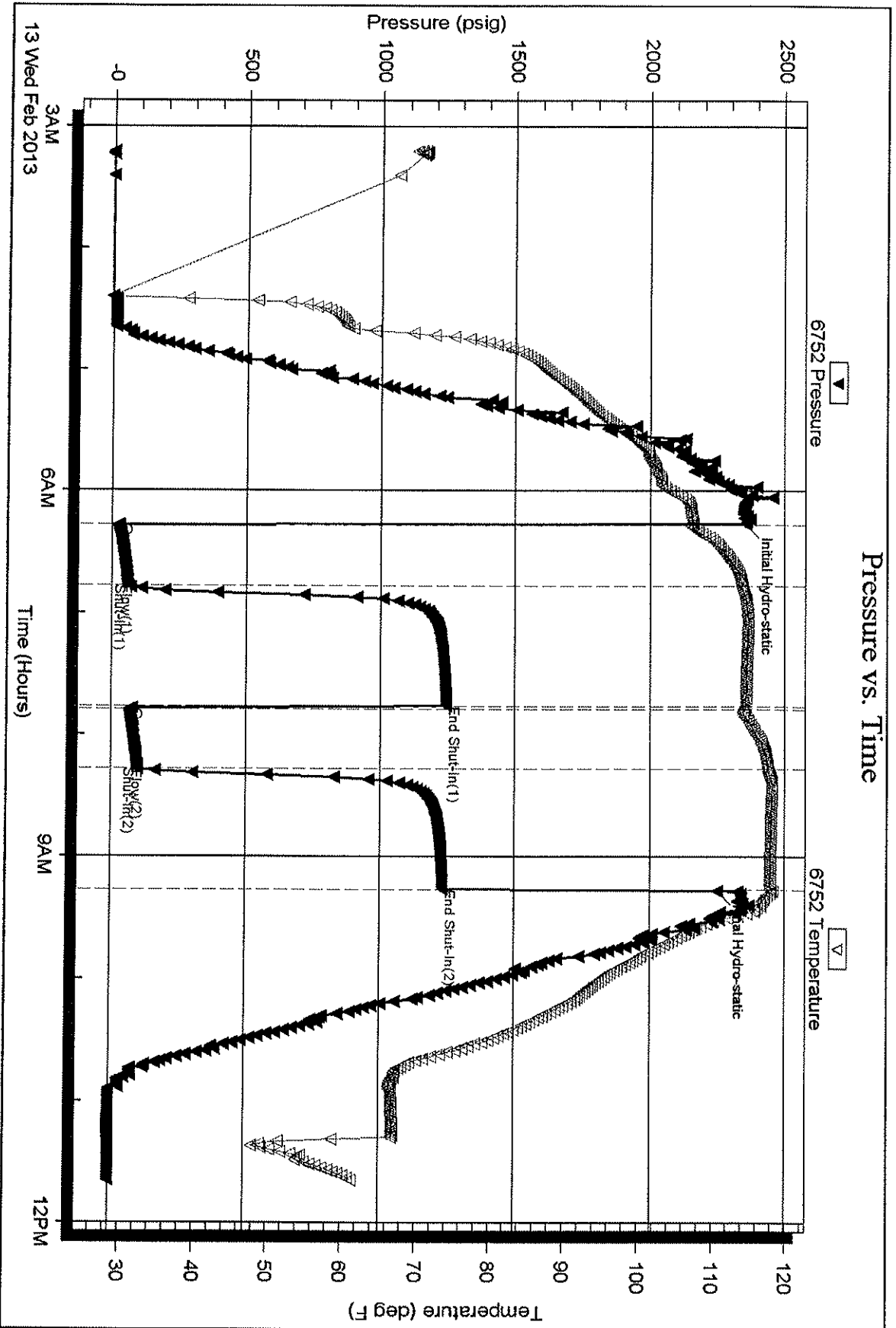
Serial #: 6752

Inside

Redland Resources Inc

Emily 30-5

DST Test Number: 1



ALLIED OIL & GAS SERVICES, LLC 059265

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Arrest Bend K

DATE <u>2-14-13</u>	SEC. <u>30</u>	TWP. <u>23</u>	RANGE <u>24</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>3:15 PM</u>	JOB START <u>10:00 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>Emily</u>	WELL # <u>30-5</u>		LOCATION <u>Arrest Bend Rd, 4s, 2E, 1/4 sec</u>	COUNTY <u>Hodges</u>	STATE <u>Kr</u>		
OLD OR <u>(NEW)</u> (Circle one)				1.02 7.45			

CONTRACTOR Duke Z
 TYPE OF JOB Production - Top Stage
 HOLE SIZE 7 7/8" T.D. 4700
 CASING SIZE 4 1/2" DEPTH 4700
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL NV Tool DEPTH 1403'
 PRES. MAX 2800 # MINIMUM 280 #
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 22.31

OWNER Same
 CEMENT
 AMOUNT ORDERED 3000 lbs AMD, 3000 lbs 290
 Gas Block, 1/4" flanged pipe, 500 lbs, 290
 500 lbs 6940 4 7/8" Nal

COMMON	30	@ 17.90	537.00
POZMIX	20	@ 9.35	187.00
GEL	13	@ 23.40	304.20
CHLORIDE	10	@ 64.00	640.00
ASC	@		
	3000x AMD	@ 25.90	7.770.00
	Gas Block 56	@ 18.00	1008.00
	Flange 74	@ 2.97	219.78
	DF 42	@ 9.80	411.60
	@		
	@		
	@		
HANDLING	416.95	@ 2.48	1033.27
MILEAGE	18.26 x 36	2.60	1709.73
			TOTAL <u>13.820.00</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Tom Nielsen /
 # 1006 HELPER Pat Hodgson /
 BULK TRUCK
 # 599 DRIVER Marlyn Spongenberg 3
 BULK TRUCK
 # 1003 DRIVER Wayne Davis 1

REMARKS:

Dropped out to open stage collar.
 Waited 15 min. Hooked up and opened
 stage collar at 825ft. Circulated for
 1 1/2 hrs Pumped 5 bbls H2O. Mixed
 3000 lbs AMD, 3000 lbs 290 Gas Block,
 1/4" flanged pipe. Worked line clean.
 Released plug. Displaced with H2O.
 Landed plug at 2800 #. a closed stage
 collar. Released + held. Plugged Rathole
 with 500 lbs 6940 4 7/8" Nal - 114 bbls 20.00.

CHARGE TO: Dedland Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____
Circ 88 Nbr to P.O.

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 X David Hickman
 SIGNATURE X David Hickman

SERVICE
 DEPTH OF JOB 1403'
 PUMP TRUCK CHARGE 2213.75
 EXTRA FOOTAGE @ _____
 MILEAGE @ _____
 MANIFOLD @ _____
 @ _____
 @ _____
 TOTAL 2213.75

PLUG & FLOAT EQUIPMENT
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

TOTAL _____
 SALES TAX (If Any) 825.27
 TOTAL CHARGES 16,033.75
 DISCOUNT 3,206.75 IF PAID IN 30 DAYS
12,827.00

ALLIED OIL & GAS SERVICES, LLC 059264

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Arrest Bend, Ky

DATE <u>2-14-13</u>	SEC. <u>30</u>	TWP. <u>23</u>	RANGE <u>24</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>3:15 PM</u>	JOB START <u>6:45 AM</u>	JOB FINISH <u>7:45 PM</u>
LEASE <u>Emily</u>	WELL # <u>30-S</u>	LOCATION <u>Jatmore Riv, 4s, 2E, 1/4 Sec</u>			COUNTY <u>Hopkinton</u>	STATE <u>Ky</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke #2
 TYPE OF JOB Production - Bottom Stage
 HOLE SIZE 7 7/8" T.D. 4900
 CASING SIZE 4 1/2" DEPTH 4900
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1500 MINIMUM 650[#]
 MEAS. LINE _____ SHOE JOINT 20'
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 55.28 Mud - 22.31 H₂O

OWNER Same
 CEMENT
 AMOUNT ORDERED 175.25 Asc, 2% Ad, 1.6%
Cypsel, 10% Salt, 5% Kalsol, 9%
Fl-160, 14% Adhomer, 1.5% Sea Block,

EQUIPMENT
 PUMP TRUCK CEMENTER Tom Hickman /
 # 601 HELPER Art Helgeson /
 BULK TRUCK
 # 599 DRIVER Marilyn Spangenberg /
 BULK TRUCK
 # 603 DRIVER Wayne Davis /

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@	<u>175</u>	<u>3,657.00</u>
Kalsol	@	<u>875</u>	<u>857.50</u>
Fl-160	@	<u>131</u>	<u>2,475.00</u>
Gas Block	@	<u>16</u>	<u>288.00</u>
O.F.	@	<u>27</u>	<u>264.00</u>
Sea Seal	@	<u>44</u>	<u>130.68</u>
HANDLING	@	<u>230</u>	<u>570.70</u>
MILEAGE	@	<u>9.86 x 36</u>	<u>922.82</u>
TOTAL			<u>9,167.72</u>

REMARKS:
Ran 4900' of 4 1/2" cas. Holed up a Bore
Circulation Circulated 1/2 hr. Mixed 25%
Seawater Cement @ 11.3% Mixed 150 lbs
Asc 2% Ad, 1.6% Ad, 10% Salt, 5% Kalsol
in Seal, with Fl-160 - Adhomer & Sea Block.
Washed line clean of cement. Released Plug.
Displaced with H₂O & Mud. Landed Plug
at 1500'. Released & float Held.

354.95 TOTAL 9,167.72

SERVICE

DEPTH OF JOB <u>4900'</u>		
PUMP TRUCK CHARGE	@	<u>2765.75</u>
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 36</u>	@	<u>7.70</u> <u>277.20</u>
MANIFOLD <u>Hum 36</u>	@	<u>4.90</u> <u>158.70</u>
<u>Head Rental</u>	@	<u>275.00</u> <u>275.00</u>
TOTAL		

CHARGE TO: Redland Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 3,476.35

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.

PLUG & FLOAT EQUIPMENT

<u>4 1/2"</u>		
1- API float shoe	@	<u>322.59</u> <u>322.59</u>
1- Latex Down Plug	@	<u>272.61</u> <u>272.61</u>
1- Basket	@	<u>315.90</u> <u>315.90</u>
7- Tank Centralizers	@	<u>90.99</u> <u>636.93</u>
1- DV Tool	@	<u>4,831.00</u> <u>4,831.00</u>
TOTAL		

TOTAL 6,433.33

SALES TAX (If Any) 1051.00
 TOTAL CHARGES 19,077.15
 DISCOUNT 3,815.43
 IF PAID IN 30 DAYS
15,261.72

PRINTED NAME David Hickman
 SIGNATURE David Hickman