Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1157607

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 # 34369
Name: American Land And Energy LLC
Address 1: 7277 TENBY WAY
Address 2: P.O. Box 2287
City: CASTLE ROCK State: CO Zip: 80108 + _ _ _ _
Contact Person: Gary Leiker
Phone: (303) 358-9938
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Rod Anderson
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 #:

8/21/2013 Spud Date or Recompletion Date
8/28/2013 Date Reached TD
9/10/2013 Completion Date or Recompletion Date

API No. 15 - 15-051-26588-00-00
Spot Description:
E2 - SW - SE - SE Sec. 7 Twp. 15 S. R. 16 ☐ East ☑ West
330 Feet from ☐ North / ☑ South Line of Section
900 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ellis
Lease Name: Brungardt Well #: 1
Field Name: Wild Cat, Black Rock
Producing Formation: KC
Elevation: Ground: 1910 Kelly Bushing: 1916
Total Vertical Depth: 3600 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1050 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: 55000 ppm Fluid volume: 600 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Royal Drilling, Inc
Lease Name: Miller License #: 33905
Quarter SW Sec. 29 Twp. 13 S. R. 14 ☐ East ☑ West
County: Russell Permit #: D24-140

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: 10/21/2013
☑ **Confidential Release Date:** 10/21/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 10/21/2013

1157607

Operator Name: American Land And Energy LLC Lease Name: Brungardt Well #: 1

Sec. 7 Twp. 15 S. R. 16 ☐ East ☑ West County: Ellis

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anh	1044	872
Top KC	3196	-1280
Arbuckle	3500	-1584

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.765	23	1050	Common	425	3% CC, 2% Gel.
Production	7.875	5.5	15.5	3569	Common	200	10% Salt, 5% Gil.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☑ Perforate ☐ Protect Casing ☐ Plug Back TD ☑ Plug Off Zone	3450-3454	common	150	
	-			

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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: 2 7/8 Set At: 3423 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/27/2013

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Land And Energy LLC
Well Name	Brungardt 1
Doc ID	1157607

All Electric Logs Run

Micro Resistivity
Cement Bond Log
Dual Induction
Compensated Density Neutron

Form	ACO1 - Well Completion
Operator	American Land And Energy LLC
Well Name	Brungardt 1
Doc ID	1157607

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3450-3454	300 gal 15% Mud Acid	3450-3454
4	3437-3441	None	None
		Bridge Plug Set	3430
4	3400-3404	400 Gal 15% Mud Acid/ 750 Gal 28% HCL, DMO, 2000 Gal 20% DMO, SS,FE	3400-3404
4	3286-3294	250 Gal Mud Acid HCL, 1500 Gal 20% HCL,DMO/SS/FE	3286-3294
4	3274-3278	None	3274-3278
4	3264-3268	None	3264-3268
4	3234-3238	250 Gal 15% HCL	3234-3238
4	3218-3222	250 Gal 15% HCL, 1500 Gal 20%, DMO/SS/FE	3218-3222

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 6720

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-22-13	7	15	16	Ellis	KS	10:30pm	1:00Am

Location Victoria 5 to North Fl4 KD

Lease Brungardt Well No. A-1 Owner 3/4 E Vinto

Contractor Royal 1

Type Job Surface

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12¼ T.D. 1050

Csg. 8 5/8 Depth

Charge To

Street American Land & Energy

Tbg. Size Depth

City State

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 20ft Shoe Joint 20ft

Cement Amount Ordered 425sk Com 3%CC 2%gel

Meas Line Displace 65.5 BBL

EQUIPMENT

Pumptrk 16 No. Cementer Matt / Helper

Bulktrk 12 No. Driver Driver Travis

Bulktrk Pu No. Driver Driver Clayton B

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Cement did Circulate

X Signature Doug Buday

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
8 5/8 FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Baffle plate	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6722

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-28-13	7	15	16	Ellis	KS	9.00 AM	1.00 PM

Location Victoria 5 to North to KRD ½ E

Lease Brungardt Well No. 2

Contractor Royal 1

Type Job Pipe Job

Hole Size 7 7/8 T.D. 3600

Csg. 5½ Depth 3568.54

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 14.44 Shoe Joint 14.44

Meas Line 15.5 Displace 84.5 BBL

Owner Vinto

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To American Land & Energy

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 200 Com 10% Salt 5% Gilsonite

Common 200

Poz. Mix

Gel.

Calcium

Hulls

Salt 18

Flowseal

Kol-Seal 1000 lb

Mud CLR 48 500 gal

CFL-117 or CD110 CAF 38

Sand

Handling 228

Mileage

5¼

FLOAT EQUIPMENT

Guide Shoe

~~Centralizer~~ turbos 3

Baskets 2

AFU Inserts

Float Shoe 1

Latch Down 1

Pumptrk Charge Prod. Long String

Mileage

Tax

Discount

Total Charge

EQUIPMENT

	No.		
Pumptrk 5		Cementer / Helper	Matt
Bulktrk 84		Driver	Lonnie W
Bulktrk pu		Driver	Chad M

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 SK

Mouse Hole 15 SK

Centralizers 6, 10, 18

Baskets 4, 16

D/V or Port Collar

Dropped Ball Circulate 60 min Ran mud flush mix @ 165 SK down hole displace 84.5 BBL water Lift 800 psi Land 1500 psi float held Rigged down

X Signature Jon Leiker

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

Kansas
Corporation Commission

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

September 30, 2013

Gary Leiker
American Land And Energy LLC
7277 TENBY WAY
CASTLE ROCK, CO 80104

Re: ACO1
API 15-051-26588-00-00
Brungardt 1
SE/4 Sec.07-15S-16W
Ellis 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,
Gary Leiker

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54762

Well Name & No. Brungardt #1 Test No. 1 Date

Company American Land and Energy LLC Elevation 1917 KB 1910 GL

Address Cattle Rock Co 7277 Teaby Way

Co. Rep / Geo. Rig Royal #1

Location: Sec. 7 Twp. 15 Rge. 16 Co. Ellis State KS

Interval Tested 3207-3253 Zone Tested KC "B,C"

Anchor Length 46 Drill Pipe Run Mud Wt. 8.5

Top Packer Depth 3202 Drill Collars Run Vis 58

Bottom Packer Depth 3207 Wt. Pipe Run WL 8.4

Total Depth 3253 Chlorides 3,000 ppm System LCM #3

Blow Description IF - building 4½ in blow

ISI - No blow

FF - building 5 blow

FSI - No blow

Rec 1	Feet of Free Oil	%gas	%oil	%water	%mud
Rec 34	Feet of VSOCM	%gas 5	%oil	%water 95	%mud
Rec 15	Feet of OS WCM	%gas	%oil 10	%water 90	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT Gravity API RW .22 @ 70 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic 1,594	☒ Test	T-On Location 4:20	
(B) First Initial Flow 38	☒ Jars	T-Started 5:30	
(C) First Final Flow 57	☐ Safety Joint	T-Open 8:08	
(D) Initial Shut-In 680	☐ Circ Sub	T-Pulled 11:23	
(E) Second Initial Flow 48	☐ Hourly Standby	T-Out 13:00	
(F) Second Final Flow 57	☒ Mileage 34.7	Comments	
(G) Final Shut-In 661	☐ Sampler		
(H) Final Hydrostatic 1,518	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total	
Final Flow 45	☐ Day Standby	Total	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total		

Approved By Our Representative

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54763

Well Name & No. Brumgardt #1 Test No. 2 Date 8/25/13

Company American Land and Energy LLC Elevation 1917 KB 1910 GL

Address

Co. Rep / Geo. Rig Royal #1

Location: Sec. 7 Twp. 15 Rge. 16 Co. Ellis State KS

Interval Tested 3250 - 3351 Zone Tested KC

Anchor Length 101 Drill Pipe Run Mud Wt. 8.5

Top Packer Depth 3245 Drill Collars Run 1 Vis 55

Bottom Packer Depth 3250 Wt. Pipe Run WL 8.4

Total Depth 3351 Chlorides 3,000 ppm System LCM 3

Blow Description IF - Building 6¼ in blow

ISI - No blow

FF - Building 3 in blow

FSI - No blow

Rec 30	Feet of SOCM	%gas	5	%oil	%water	75	%mud
Rec 25	Feet of SOCM	%gas	10	%oil	%water	90	%mud
Rec	Feet of	%gas		%oil	%water		%mud
Rec	Feet of	%gas		%oil	%water		%mud
Rec	Feet of	%gas		%oil	%water		%mud

Rec Total 65 BHT 103 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic	1631	☒ Test		T-On Location	21:05
(B) First Initial Flow	72	☒ Jars		T-Started	21:59
(C) First Final Flow	73	☒ Safety Joint		T-Open	23:45
(D) Initial Shut-In	691	☐ Circ Sub		T-Pulled	2:45
(E) Second Initial Flow	80	☐ Hourly Standby		T-Out	4:30
(F) Second Final Flow	78	☒ Mileage	34.1	Comments	
(G) Final Shut-In	579	☐ Sampler			
(H) Final Hydrostatic	1557	☐ Straddle			
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	60	☐ Extra Recorder		☐ Extra Copies	
Final Flow	30	☐ Day Standby		Sub Total	
Final Shut-In	60	☐ Accessibility		Total	
		Sub Total		MP/DST Disc't	

Approved By Our Representative