

Confidentiality Requested:

☐ Yes ☒ NoKANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASEOPERATOR: License # 34350Name: Altavista Energy, Inc.Address 1: 4599 K-33 HIGHWAYAddress 2: PO BOX 128City: WELLSVILLE State: KS Zip: 66092 + 0128Contact Person: Phil FrickPhone: (785) 883-4057CONTRACTOR: License # 32218Name: TDR Construction, Inc.Wellsite Geologist: None

Purchaser: \_\_\_\_\_

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ WSW ☐ SWD☐ Gas ☐ DH ☒ EOR☐ OG ☐ GSW☐ 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 EOR ☐ Conv. to SWD☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer☐ Commingled Permit #: \_\_\_\_\_☐ Dual Completion Permit #: \_\_\_\_\_☐ SWD Permit #: \_\_\_\_\_☐ EOR Permit #: \_\_\_\_\_☐ GSW Permit #: \_\_\_\_\_10/16/2024 10/17/2024 10/17/2024Spud Date or  
Recompletion Date Date Reached TD Completion Date or  
Recompletion DateAPI No.: 15-121-31854-00-00

Spot Description: \_\_\_\_\_

E2 - E2 - SW-SW Sec. 16 Twp. 18 S. R. 24 ☒ East ☐ West660 Feet from ☐ North / ☒ South Line of Section4280 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SWGPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: MiamiLease Name: HOLTZ Well #: AI-14Field Name: BlockProducing Formation: SquirrelElevation: Ground: 944 Kelly Bushing: 947Total Vertical Depth: 580 Plug Back Total Depth: 537Amount of Surface Pipe Set and Cemented at: 20 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 580feet depth to: 0 w/ 88 sx cmt.

## Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 30 bblsDewatering method used: Evaporated

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 ☐ Drill Stem Tests Received☐ Geologist Report / Mud Logs Received☒ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: Kelsey Cox Date: 12/31/2024

Operator Name: Altavista Energy, Inc. Lease Name: HOLTZ Well #: AI-14  
 Sec. 16 Twp. 18 S. R. 24 ☒ East ☐ West County: Miami

**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 checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>List All E. Logs Run:<br><br>Gamma Ray/Neutron/CCL | <input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width: 100%;"> <tr> <td style="width: 33%;">Name<br/>Squirrel</td> <td style="width: 33%;">Top<br/>484</td> <td style="width: 33%;">Datum<br/>+460</td> </tr> </table> | Name<br>Squirrel | Top<br>484 | Datum<br>+460 |
| Name<br>Squirrel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Top<br>484                                                                                                                                                                                                                                                                                              | Datum<br>+460    |            |               |

| CASING RECORD <input checked="" 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 |
| Surface                                                                             | 12.25             | 8.625                     | 24                | 20            | Portland       | 4            | NA                         |
| Production                                                                          | 6.75              | 2.875                     | 6.5               | 570           | Econobond      | 88           | See Ticket                 |
|                                                                                     |                   |                           |                   |               |                |              |                            |

| 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  | -                |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

|                                                                     |              |                                                                                                                                                                         |                |               |         |
|---------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: |              | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ |                |               |         |
| Estimated Production Per 24 Hours                                   | Oil    Bbls. | Gas    Mcf                                                                                                                                                              | Water    Bbls. | Gas-Oil Ratio | Gravity |

|                                                                                                                                                                   |                                                                                                                                                                                                                                |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top    Bottom<br>484    494 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|

| Shots Per Foot                                   | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|--------------------------------------------------|-----------------|--------------------|------------------|--------------------|---------------------------------------------------------------------------------------------|
| 3                                                | 484             | 494                |                  |                    | 31 Perfs - 2" DML RTG                                                                       |
|                                                  |                 |                    |                  |                    |                                                                                             |
|                                                  |                 |                    |                  |                    |                                                                                             |
|                                                  |                 |                    |                  |                    |                                                                                             |
|                                                  |                 |                    |                  |                    |                                                                                             |
| TUBING RECORD:    Size:    Set At:    Packer At: |                 |                    |                  |                    |                                                                                             |

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | Altavista Energy, Inc. |
| Well Name | HOLTZ AI-14            |
| Doc ID    | 1808590                |

#### Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| Surface           | 12.25             | 8.625           | 24     | 20            | Portland       | 4                    | NA                         |
| Production        | 6.75              | 2.875           | 6.5    | 570           | Econobond      | 88                   | See Ticket                 |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |

Commenced Spudding:  
October 16, 2024

[illegible]

# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

WATTS  
AMPS = AMPS  
VOLTS

746 WATTS equal 1 HP

# Log Book

Well No. AI-14

Farm Holtz

KS Miami  
(State) (County)

16 18 24  
(Section) (Township) (Range)

For Altavista Energy, Inc.  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400



| Thickness of Strata | Formation   | Total Depth | Remarks                            |
|---------------------|-------------|-------------|------------------------------------|
| 0-10                | Soil / Clay | 10          |                                    |
| 8                   | Lime        | 18          |                                    |
| 13                  | Shale       | 31          |                                    |
| 34                  | Lime        | 65          |                                    |
| 5                   | Shale       | 70          |                                    |
| 22                  | Lime        | 92          |                                    |
| 4                   | Shale       | 96          |                                    |
| 2                   | Lime        | 98          |                                    |
| 5                   | Shale       | 103         |                                    |
| 5                   | Lime        | 108         | Herttha                            |
| 23                  | Shale       | 131         |                                    |
| 10                  | Sand        | 141         | Broken. Some oil show.             |
| 46                  | Sandy Shale | 187         |                                    |
| 79                  | Shale       | 266         |                                    |
| 2                   | Lime / Sand | 268         |                                    |
| 14                  | Sand        | 282         | Light grey / white. Coarse, No oil |
| 37                  | Shale       | 319         |                                    |
| 5                   | Lime        | 324         |                                    |
| 6                   | Shale       | 330         |                                    |
| 6                   | Lime        | 336         |                                    |
| 7                   | Shale       | 343         |                                    |
| 10                  | Lime        | 353         |                                    |
| 13                  | Shale       | 366         |                                    |
| 4                   | Lime        | 370         |                                    |
| 7                   | Shale       | 377         |                                    |
| 4                   | Sandy Shale | 381         |                                    |
| 26                  | Lime        | 407         |                                    |



| CEMENT TREATMENT REPORT |      |                  |      |               |                                                                             |  |                 |  |                          |  |            |  |
|-------------------------|------|------------------|------|---------------|-----------------------------------------------------------------------------|--|-----------------|--|--------------------------|--|------------|--|
| Customer:               |      | Altavista Energy |      |               | Well:                                                                       |  | Holtz AI-14     |  | Ticket:                  |  | EP15226    |  |
| City, State:            |      | Wellsville, KS   |      |               | County:                                                                     |  | MI, KS          |  | Date:                    |  | 10/17/2024 |  |
| Field Rep:              |      | Doug Evans       |      |               | S-T-R:                                                                      |  | 16-18-24        |  | Service:                 |  | Longstring |  |
|                         |      |                  |      |               |                                                                             |  |                 |  |                          |  |            |  |
| Downhole Information    |      |                  |      |               | Calculated Slurry - Lead                                                    |  |                 |  | Calculated Slurry - Tail |  |            |  |
| Hole Size:              |      | 6 3/4 in         |      |               | Blend:                                                                      |  | Econobond 1# PS |  | Blend:                   |  |            |  |
| Hole Depth:             |      | 580 ft           |      |               | Weight:                                                                     |  | 13.61 ppg       |  | Weight:                  |  | ppg        |  |
| Casing Size:            |      | 2 7/8 in         |      |               | Water / Sx:                                                                 |  | 7.12 gal / sk   |  | Water / Sx:              |  | gal / sk   |  |
| Casing Depth:           |      | 570 ft           |      |               | Yield:                                                                      |  | 1.56 ft³ / sk   |  | Yield:                   |  | ft³ / sk   |  |
| Tubing / Liner:         |      | in               |      |               | Annular Bbls / Ft.:                                                         |  | bbs / ft.       |  | Annular Bbls / Ft.:      |  | bbs / ft.  |  |
| Depth:                  |      | ft               |      |               | Depth:                                                                      |  | ft              |  | Depth:                   |  | ft         |  |
| Tool / Packer:          |      | baffle           |      |               | Annular Volume:                                                             |  | 0.0 bbls        |  | Annular Volume:          |  | 0 bbls     |  |
| Tool Depth:             |      | 537.40 ft        |      |               | Excess:                                                                     |  |                 |  | Excess:                  |  |            |  |
| Displacement:           |      | 3.11 bbls        |      |               | Total Slurry:                                                               |  | 24.45 bbls      |  | Total Slurry:            |  | 0.0 bbls   |  |
|                         |      |                  |      |               | Total Sacks:                                                                |  | 88 sks          |  | Total Sacks:             |  | 0 sks      |  |
| TIME                    | RATE | PSI              | BBLs | TOTAL<br>BBLs | REMARKS                                                                     |  |                 |  |                          |  |            |  |
| 2:10 PM                 |      |                  | -    | -             | on location, held safety meeting                                            |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | established circulation                                                     |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | mixed and pumped 1/2 gal polymer and circulated to condition hole           |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | mixed and pumped 100# Bentonite Gel followed by 4 bbls fresh water          |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | mixed and pumped 88 sks Econobond cement w/ 1# PS per sk, cement to surface |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | flushed pump clean                                                          |  |                 |  |                          |  |            |  |
|                         | 1.0  |                  |      | -             | pumped 2 7/8" rubber plug to baffle w/ 3.11 bbls fresh water                |  |                 |  |                          |  |            |  |
|                         | 1.0  |                  |      | -             | pressured to 900 PSI, shut in annulus, well held pressure                   |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             | released pressure to set float valve, float held                            |  |                 |  |                          |  |            |  |
|                         | 4.0  |                  |      | -             | washed up equipment                                                         |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
| 3:30 PM                 |      |                  |      | -             | left location                                                               |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
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|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
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|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |
|                         |      |                  |      | -             |                                                                             |  |                 |  |                          |  |            |  |