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KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
October 2008
Form Must Be Typed

ORIGINAL

10/8/11

OPERATOR: License # 33924

Name: ABARTA Oil & Gas Co., Inc.

Address 1: 1000 Gamma Drive, Ste. 400

Address 2: _____

City: Pittsburgh State: PA Zip: 15238 + 2 9 2 6

Contact Person: Kennth J. Fleeman

Phone: (412) 963-6443

CONTRACTOR: License # 33905

Name: Royal Drilling, Inc.

Wellsite Geologist: James C. Musgrove

Purchaser: NCRA

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW

☐ Gas ☐ ENHR ☐ SIGW

☐ CM (Coal Bed Methane) ☐ Temp. Abd.

☒ Dry ☐ Other _____

(Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth _____

☐ Commingled Docket No.: _____

☐ Dual Completion Docket No.: _____

☐ Other (SWD or Enhr.?) Docket No.: _____

8/7/10 8/13/10 8/13/10

Spud Date or Date Reached TD Completion Date or

Recompletion Date Recompletion Date

API No. 15 - 009-25457-0000

Spot Description: _____

W2 SE NW NE Sec. 33 Twp. 17 S. R. 13 ☐ East ☒ West

990 Feet from ☒ North / ☐ South Line of Section

1660 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

County: Barton

Lease Name: Herres Well #: 1

Field Name: Trapp

Producing Formation: _____

Elevation: Ground: 1901' Kelly Bushing: 1908'

Total Depth: 3475' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 834 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 PAWS 10-19-10
(Data must be collected from the Reserve Pit)

Chloride content: 72,000 ppm Fluid volume: 800 bbls

Dewatering method used: Allow to dry and backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

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

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Tracey G. Mulert

Title: Operations Analyst Date: 10/8/10

Commonwealth of Pennsylvania County of Allegheny

Subscribed and sworn to before me this 8th day of October

2010

Notary Public: Tracey G. Mulert

Date Commission Expires: _____

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Tracey G. Mulert, Notary Public
O'Hara Twp., Allegheny County
My Commission Expires May 16, 2013
Member, Pennsylvania Association of Notaries

KCC Office Use ONLY

☒ Letter of Confidentiality Received 10/8/10 - 10/8/11

☐ If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☒ Geologist Report Received

☐ UIC Distribution

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Operator Name: ABARTA Oil & Gas Co., Inc.Lease Name: HerresWell #: 1Sec. 33 Twp. 17 S. R. 13 ☐ East ☒ WestCounty: Barton

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☒ Yes ☐ No
(Attach Additional Sheets)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

Radiation Guard☒ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|----------------|------|-------|
| Anhydrite | 830 | +1078 |
| Base Anhydrite | 853 | +1055 |
| Topeka | 2794 | -886 |
| Heebner | 3079 | -1171 |
| Toronto | 3096 | -1188 |
| Douglas | 3108 | -1200 |
| See Attached | | |

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 1/4" | 8 5/8" | 23# | 834 | Class "A" | 320 | 3% CC / 2% Gel |
| | | | | | | | |
| | | | | | | | |

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 | | | | |

| 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 |
|----------------|---|---|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

| | |
|---|---|
| Date of First, Resumed Production, SWD or Enhr. | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input checked="" 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.) | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input checked="" type="checkbox"/> Other (Specify) <u>P & A</u> | PRODUCTION INTERVAL: <u>30</u> |
|--|--|-----------------------------------|

Formation Depth and Datum (Continued)

| <u>Name</u> | <u>Top</u> | <u>Datum</u> |
|--------------------|------------|--------------|
| Brown Lime | 3165 | -1257 |
| Lansing | 3177 | -1269 |
| Base Kansas City | 3395 | -1487 |
| Weathered Arbuckle | 3399 | -1491 |
| Solid Arbuckle | 3441 | -1533 |
| RTD | 3475 | -1567 |
| LTD | 3474 | -1566 |

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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025

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

No. 4133

Cell 785-324-1041

| | | | | | | | |
|-----------------------------------|----------------|-----------------------------|-----------------|---|-----------------|---------------------------------------|-----------------------|
| Date 8-8-2010 | Sec. 33 | Twp. 17 | Range 13 | County Barton | State Ks | On Location | Finish 1:45 PM |
| Lease Hecres | | Well No. #1 | | Location Hoisington, Ks - 1 N, 3/4 E, 5/5 | | | |
| Contractor Royal Rig #2 | | | | Owner 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. | | | |
| Type Job Surface | | Hole Size 12 1/4" | | T.D. 834' | | Charge To Abasta oil & gas | |
| Csg. 8 5/8" | | Depth 834' | | Street | | City | |
| Tbg. Size | | Depth | | State | | | |
| Tool | | Depth | | The above was done to satisfaction and supervision of owner agent or contractor. | | | |
| Cement Left in Csg. 21.50' | | Shoe Joint 21.50' | | Cement Amount Ordered 320 sx Common 3 1/2 LL 2 1/2 Grel | | | |
| Meas Line | | Displace SI 3/4 BBLs | | | | | |

EQUIPMENT

| | | |
|---------------------------|-------------------------|-------------------|
| Pumptrk 5 No. | Cementer Brandon | Common 320 |
| Bulktrk 12 No. | Driver Cisco | Poz. Mix |
| Bulktrk pickup No. | Driver Pick | Gel. 7 |
| | | Calcium 11 |

JOB SERVICES & REMARKS

| | |
|--------------------------------------|-------------------------|
| Remarks: Cement did Circulate | Hulls |
| Rat Hole | Salt |
| Mouse Hole | Flowseal |
| Centralizers | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| | Sand |
| | Handling 331 |
| | Mileage |

FLOAT EQUIPMENT

| | |
|------------------------------------|--|
| Guide Shoe | |
| Centralizer | |
| Baskets | |
| AFU Inserts | |
| Float Shoe | |
| Latch Down | |
| 1- Baffle plate | |
| 1- Rubber plug | |
| Pumptrk Charge Long Surface | |
| Mileage 14 | |

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X

Signature

Tax

Discount

Total Charge

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner, and;

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., LLC. 041742

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

| | | | | | | | |
|-------------------------|-----------------|-------------------------------|-----------------|------------|----------------------|--------------------------|----------------------------|
| DATE <u>8-13-10</u> | SEC <u>12</u> | TWP <u>30</u> | RANGE <u>24</u> | CALLED OUT | ON LOCATION | JOB START <u>9:00 PM</u> | JOB FINISH <u>10:00 PM</u> |
| LEASE <u>Herkes</u> | WELL # <u>1</u> | LOCATION <u>HOISINGTON KS</u> | | | COUNTY <u>BARTON</u> | STATE <u>KANSAS</u> | |
| OLD OR NEW (Circle one) | | <u>1 N 1 E 1/2 SE 1/4</u> | | | | | |

CONTRACTOR Royal Drilling Rig #2 OWNER _____
 TYPE OF JOB ROTARY Plug
 HOLE SIZE 7 7/8 T.D. @ 3475
 CASING SIZE 8 5/8 Surface DEPTH @ 830
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x H DEPTH @ 3379
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM ☒
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER John
 # 412 HELPER Heath
 BULK TRUCK
 # 481 DRIVER Bill - Johnny
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

25 SK @ 3379
40 SK @ 834
80 SK @ 412
10 SK @ 40
30 SK @ RAT HOLE
15 SK @ Mouse Hole
THANKS

CHARGE TO: ABARTA OIL & GAS INC.

STREET _____
 CITY _____ STATE _____ ZIP _____

CEMENT
 AMOUNT ORDERED 200 SK @ 4% Gel
1/4 # F10 Seal Per SK

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE KCC @ _____
 ASC OCT 12 2010 @ _____

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HANDLING _____ @ _____
 MILEAGE _____ @ _____

TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

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TOTAL _____

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Abarta Oil & Gas Inc.

Herres #1

W/2-SE-NW-NE (990' FNL & 1660' FEL) Section 35-17s-13w

Barton County, Kansas

Page 1

Dry and Abandoned

Contractor: Royal Drilling Company (Rig #2)

Commenced: August 7, 2010

Completed: August 13, 2010

Elevation: 1908' K.B.; 1906' G.L.; 1901' G.L.

Casing program: Surface; 8/58" @ 834'
Production; none

Sample: Samples saved and examined 2900' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 2900 ft to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Drill Stem Tests: There were two (2) Drill Stem Tests ran by Trilobite Testing Co.

Electric Log: By Log Tech; Radiation Guard Log.

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| <u>Formation</u> | <u>Log Depth</u> | <u>Sub-Sea Datum</u> |
|--------------------|------------------|----------------------|
| Anhydrite | 830 | +1078 |
| Base Anhydrite | 853 | +1055 |
| Topeka | 2794 | -886 |
| Heebner | 3079 | -1171 |
| Toronto | 3096 | -1188 |
| Douglas | 3108 | -1200 |
| Brown Lime | 3165 | -1257 |
| Lansing | 3177 | -1269 |
| Base Kansas City | 3395 | -1487 |
| Weathered Arbuckle | 3399 | -1491 |
| Solid Arbuckle | 3441 | -1533 |
| Rotary Total Depth | 3475 | -1567 |
| Log Total Depth | 3474 | -1566 |

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**TOPEKA SECTION**

3000-3020' Limestone; gray, fossil, scattered porosity, sparry calcite cement, plus white and gray chert.

3035-3055' Limestone; gray, oomoldic, poorly developed porosity, no shows.

TORONTO SECTION

3096-3106' Limestone; gray, white, chalky, slightly fossiliferous, chalky, poor visible porosity.

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LANSING SECTION

- 3177-3181' Limestone; gray, oolitic, chalky, poorly developed porosity, trace gray and black stain, no show of free oil and no odor in fresh samples.
- 3182-3196' Limestone; as above, oolitic, trace brown and gray stain, show of free oil and no odor in fresh samples.
- 3208-3214' Limestone; gray, tan, fossiliferous/oolitic, dense.
- 3220-3222' Limestone; as above, scattered porosity, brown and saturation, show of free oil and faint odor in fresh samples.
- 3225-3235' Limestone; gray, fossiliferous, poor porosity, spotty gray brown stain, no show of free oil and questionable odor in fresh samples.

Drill Stem Test #1 **3166-3240'**

Times: 30-30-30-30

Blow: Weak

Recovery: 31' very slightly oil cut mud
(2% oil, 98% mud)

Pressures: ISIP 101 psi
FSIP 63 psi
IFP 24-26 psi
FFP 27-27 psi
HSH 1528-1521 psi

- 3256-3270' Limestone; gray, tan, oolitic, oomoldic, poor light brown edge staining, no show of free oil and no odor in fresh samples.
- 3312-3320' Limestone; tan, fossiliferous, gray and black stain, trace of free oil and faint odor in fresh samples.
- 3327-3338' Limestone; white, oolitic, chalky, poor black and gray stain, no show of free oil and no odor in fresh samples.
- 3340-3360' Limestone; cream, sub oomoldic, chalky, few oolitic, black stain, trace of free oil and no odor in fresh samples.
- 3372-3380' Limestone; tan, fossiliferous, oolitic, brown stain, show of free oil (heavy brown) and no odor in fresh samples.

Drill Stem Test #2 **3293-3382'**

Times: 30-30-30-45

Blow: Weak

Recovery: 5' mud scum of oil

Pressures: ISIP 64 psi
FSIP 68 psi
IFP 16-17 psi
FFP 18-18 psi
HSH 1600-1600 psi

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WEATHERED ARBUCKLE SECTION

| | |
|------------|---|
| 3399-3408' | Dolomite; gray, white, sucrosic, poor visible porosity, no shows. |
| 3408-3416' | Dolomite; as above, plus white and gray chert. |
| 3416-3426' | Dolomite; gray and white, sucrosic, poor visible porosity, plus gray and white chert. |
| 3426-3441' | Dolomite; as above, plus white oolitic chert, trace iron pyrite and varied colored shale. |

SOLID ARBUCKLE SECTION

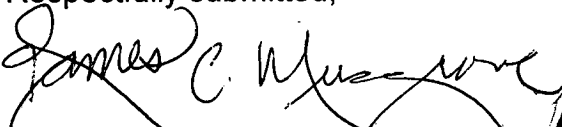
| | |
|------------|--|
| 3441-3450' | Dolomite; gray, white, medium crystalline, scattered intercrystalline porosity (barren). |
| 3450-3460' | Dolomite; as above, sandy. |
| 3460-3475' | Dolomite; as above, plus amber/orange opaque chert, no shows. |

| | |
|--------------------|------|
| Rotary Total Depth | 3475 |
| Log Total Depth | 3474 |

Recommendations:

The Herres #1 was plugged and abandoned at the Rotary Total Depth 3475.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist



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