KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1093841

Form ACO-4
Form must be typed
March 2009

# APPLICATION FOR COMMINGLING OF PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

*Commingling ID #* CO101206

OPERATOR: License # 33343
Name: PostRock Midcontinent Production LLC
Address 1: Oklahoma Tower
Address 2: 210 Park Ave, Ste 2750
City: OKLAHOMA CITY State: OK Zip: 73102 + _ _ _ _
Contact Person: CLARK EDWARDS
Phone: ( 405 ) 620-4200

API No. 15 - 15-133-27254-00-00
Spot Description:
W2 - E2 - NE - NW Sec. 33 Twp. 27 S. R. 19 ☑ East ☐ West
660 Feet from ☑ North / ☐ South Line of Section
1981 Feet from ☐ East / ☑ West Line of Section
County: Neosho
Lease Name: MEYER, DON L. Well #: 33-1

☑ 1. Name and upper and lower limit of each production interval to be commingled:

| | | | |
|---|---|---|---|
| Formation: | SUMMIT | (Perfs): | 461-465 |
| Formation: | MULKY | (Perfs): | 472-476 |
| Formation: | BEVIER | (Perfs): | 552-554 |
| Formation: | CROWEBURG | (Perfs): | 575-578 |
| Formation: | FLEMING | (Perfs): | 610-612 |

☑ 2. Estimated amount of fluid production to be commingled from each interval:

| | | | | | | |
|---|---|---|---|---|---|---|
| Formation: | SUMMIT | BOPD: | 0 | MCFPD: | 1.6 | BWPD: 4.2 |
| Formation: | MULKY | BOPD: | 0 | MCFPD: | 1.6 | BWPD: 4.2 |
| Formation: | BEVIER | BOPD: | 0 | MCFPD: | 1.6 | BWPD: 4.2 |
| Formation: | CROWEBURG | BOPD: | 0 | MCFPD: | 1.6 | BWPD: 4.2 |
| Formation: | FLEMING | BOPD: | 0 | MCFPD: | 1.6 | BWPD: 4.2 |

☑ 3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.

☑ 4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

***For Commingling of PRODUCTION ONLY, include the following:***

☑ 5. Wireline log of subject well. Previously Filed with ACO-1: ☑ Yes ☐ No

☑ 6. Complete Form ACO-1 *(Well Completion form)* for the subject well.

***For Commingling of FLUIDS ONLY, include the following:***

☑ 7. Well construction diagram of subject well.

☑ 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**AFFIDAVIT:** I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Submitted Electronically

**KCC Office Use Only**

☐ Denied ☑ Approved
15-Day Periods Ends: 10/26/2012
Approved By: Rick Hestermann Date: 10/30/2012

*Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed wihin 15 days of publication of the notice of application.*

**Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202**

| | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Produced Fluids # | | 1 | 2 | 3 | 4 | 5 | | Click here to run SSP | Click | |
| 2 | Parameters | Units | Input | Input | Input | Input | Input | | | | |
| 3 | Select the brines | Select fluid | ☑ | ☑ | ☑ | ☑ | ☑ | Mixed brine: | | Click | |
| 4 | Sample ID | by checking | | | | | | Cell H28 is | | | |
| 5 | Date | the box(es), | 3/19/2012 | 3/4/2012 | 3/14/2012 | 1/20/2012 | 1/20/2012 | STP calc. pH. | Goal Seek SSP | Click | |
| 6 | Operator | Row 3 | PostRock | PostRock | PostRock | PostRock | PostRock | Cells H35-38 | | | |
| 7 | Well Name | | Ward Feed | Ward Feed | Clinesmith | Clinesmith | Clinesmith | are used in | | Click | |
| 8 | Location | | #34-1 | #4-1 | #5-4 | #1 | #2 | mixed brines | | | |
| 9 | Field | | CBM | CBM | Bartles | Bartles | Bartles | calculations. | | | |
| 10 | $Na^+$ | (mg/l)* | 19,433.00 | 27,381.00 | 26,534.00 | 25689.00 | 24220.00 | 24654.20 | Initial(BH) | Final(WH) | SI/SR (Final-Initial) |
| 11 | $K^+$ (if not known =0) | (mg/l) | | | | | | 0.00 | Saturation Index values | | |
| 12 | $Mg^{2+}$ | (mg/l) | 1,096.00 | 872.00 | 1,200.00 | 953.00 | 858.00 | 995.91 | Calcite | | |
| 13 | $Ca^{2+}$ | (mg/l) | 1,836.00 | 2,452.00 | 2,044.00 | 1920.00 | 1948.00 | 2040.23 | -0.73 | -0.60 | 0.13 |
| 14 | $Sr^{2+}$ | (mg/l) | | | | | | 0.00 | Barite | | |
| 15 | $Ba^{2+}$ | (mg/l) | | | | | | 0.00 | | | |
| 16 | $Fe^{2+}$ | (mg/l) | 40.00 | 21.00 | 18.00 | 82.00 | 90.00 | 50.21 | Halite | | |
| 17 | $Zn^{2+}$ | (mg/l) | | | | | | 0.00 | -1.77 | -1.80 | -0.03 |
| 18 | $Pb^{2+}$ | (mg/l) | | | | | | 0.00 | Gypsum | | |
| 19 | $Cl^-$ | (mg/l) | 36,299.00 | 48,965.00 | 47,874.00 | 45632.00 | 43147.00 | 44388.44 | -3.19 | -3.18 | 0.00 |
| 20 | $SO_4^{2-}$ | (mg/l) | 1.00 | 1.00 | 8.00 | 1.00 | 1.00 | 2.40 | Hemihydrate | | |
| 21 | $F^-$ | (mg/l) | | | | | | 0.00 | -3.96 | -3.90 | 0.06 |
| 22 | $Br^-$ | (mg/l) | | | | | | 0.00 | Anhydrite | | |
| 23 | SiO2 | (mg/l) SiO2 | | | | | | 0.00 | -3.47 | -3.36 | 0.12 |
| 24 | HCO3 Alkalinity** | (mg/l as HCO3) | 190.00 | 234.00 | 259.00 | 268.00 | 254.00 | 241.03 | Celestite | | |
| 25 | CO3 Alkalinity | (mg/l as CO3) | | | | | | | | | |
| 26 | Carboxylic acids** | (mg/l) | | | | | | 0.00 | Iron Sulfide | | |
| 27 | Ammonia | (mg/L) NH3 | | | | | | 0.00 | -0.16 | -0.22 | -0.06 |
| 28 | Borate | (mg/L) H3BO3 | | | | | | 0.00 | Zinc Sulfide | | |
| 29 | TDS (Measured) | (mg/l) | | | | | | 72781 | | | |
| 30 | Calc. Density (STP) | (g/ml) | 1.038 | 1.051 | 1.050 | 1.048 | 1.045 | 1.047 | Calcium fluoride | | |
| 31 | $CO_2$ Gas Analysis | (%) | 19.97 | 18.76 | 22.41 | 35.53 | 33.79 | 26.16 | | | |
| 32 | $H_2S$ Gas Analysis*** | (%) | 0.0289 | 0.0292 | 0.0296 | 0.0306 | 0.0151 | 0.0269 | Iron Carbonate | | |
| 33 | Total H2Saq | (mgH2S/l) | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.90 | -0.74 | -0.51 | 0.23 |
| 34 | pH, measured (STP) | pH | 5.67 | 5.76 | 5.72 | 5.54 | 5.55 | 5.63 | Inhibitor needed (mg/L) | | |
| 35 | Choose one option to calculate SI? | 0-CO2%+Alk, 1-pH+Alk, 2-CO2%+pH | 0 | 0 | 0 | 0 | 0 | | Calcite | NTMP | |
| 36 | Gas/day(thousand cf/day) | (Mcf/D) | | | | | | 0 | 0.00 | 0.00 | |
| 37 | Oil/Day | (B/D) | 0 | 0 | 1 | 1 | 1 | 4 | Barite | BHPMP | |
| 38 | Water/Day | (B/D) | 100 | 100 | 100 | 100 | 100 | 500 | 0.00 | 0.00 | |
| 39 | For mixed brines, enter values for temperatures and pressures in Cells (H40-H43) | | | | | | | (Enter H40-H43) | pH | | |
| 40 | Initial T | (F) | 66.0 | 71.0 | 70.0 | 41.0 | 49.0 | 60.0 | 5.69 | 5.60 | |
| 41 | Final T | (F) | 66.0 | 71.0 | 70.0 | 41.0 | 49.0 | 89.0 | Viscosity (CentiPoise) | | |
| 42 | Initial P | (psia) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 1.196 | 0.826 | |
| 43 | Final P | (psia) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 120.0 | Heat Capacity (cal/ml/$^0$C) | | |
| 44 | Use TP on Calcite sheet? | 1-Yes;0-No | | | | | | | 0.955 | 0.959 | |
| 45 | API Oil Grav. | API grav. | | | | | | 30.00 | Inhibitor needed (mg/L) | | |
| 46 | Gas Sp.Grav. | Sp.Grav. | | | | | | 0.60 | Gypsum | HDTMP | |
| 47 | MeOH/Day | (B/D) | 0 | | | | | 0 | 0.00 | 0.00 | |
| 48 | MEG/Day | (B/D) | 0 | | | | | 0 | Anhydrite | HDTMP | |
| 49 | Conc. Multiplier | | | | | | | | 0.00 | 0.00 | |
| 50 | $H^+$ (Strong acid) † | (N) | | | | | | | | | |
| 51 | $OH^-$ (Strong base) † | (N) | | | | | | | | | |
| 52 | Quality Control Checks at STP: | | | | | | | | | | |
| 53 | $H_2S$ Gas | (%) | | | | | | | | | |
| 54 | Total H2Saq (STP) | (mgH2S/l) | | | | | | | | | |
| 55 | pH Calculated | (pH) | | | | | | | | | |
| 56 | PCO2 Calculated | (%) | | | | | | | | | |
| 57 | Alkalinity Caclulated | (mg/l) as HCO3 | | | | | | | | | |
| 58 | ΣCations= | (equiv./l) | | | | | | | | | |
| 59 | ΣAnions= | (equiv./l) | | | | | | | | | |
| 60 | Calc TDS= | (mg/l) | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 61 | Inhibitor Selection | Input | Unit | # | Inhibitor | Unit Converter (From metric to English) | | | | |
| 62 | Protection Time | 120 | min | 1 | NTMP | From Unit | Value | To Unit | Value | |
| 63 | Have ScaleSoftPitzer | | | 2 | BHPMP | °C | 80 | °F | 176 | |
| 64 | pick inhibitor for you? | 1 | 1-Yes;0-No | 3 | PAA | $m^3$ | 100 | $ft^3$ | 3,531 | |
| 65 | If No, inhibitor # is: | 4 | # | 4 | DTPMP | $m^3$ | 100 | bbl(42 US gal) | 629 | |
| 66 | If you select Mixed, | | | 5 | PPCA | MPa | 1,000 | psia | 145,074 | |
| 67 | 1st inhibitor # is: | 1 | # | 6 | SPA | Bar | 496 | psia | 7,194 | |
| 68 | % of 1st inhibitor is: | 50 | % | 7 | HEDP | Torr | 10,000 | psia | 193 | |
| 69 | 2nd inhibitor # is: | 2 | # | 8 | HDTMP | Gal | 10,000 | bbl(42 US gal) | 238 | |
| 70 | Display act. coefs? | 0 | 1-Yes;0-No | 9 | Average | Liters | 10,000 | bbl(42 US gal) | 63 | |
| 71 | | | | 10 | Mixed | | | | | |

# Saturation Index Calculations

*Champion Technologies, Inc.*

(Based on the Tomson-Oddo Model)

**Brine 1:** Ward Feed Yard 34-1
**Brine 2:** Ward Feed Yard 4-1
**Brine 3:** Clinesmith 5-4
**Brine 4:** Clinesmith 1
**Brine 5:** Clinesmith 2

| | Ratio | | | | | |
|---|---|---|---|---|---|---|
| **Component (mg/L)** | 20% Brine 1 | 20% Brine 2 | 20% Brine 3 | 20% Brine 4 | 20 Brine 5 | Mixed Brine |
| Calcium | 1836 | 2452 | 2044 | 1920 | 1948 | 1952 |
| Magnesium | 1096 | 872 | 1200 | 953 | 858 | 865 |
| Barium | 0 | 0 | 0 | 0 | 0 | 0 |
| Strontium | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicarbonate | 190 | 234 | 259 | 268 | 254 | 253 |
| Sulfate | 1 | 1 | 8 | 1 | 1 | 1 |
| Chloride | 36299 | 48965 | 47874 | 45632 | 43147 | 43206 |
| $CO_2$ in Brine | 246 | 220 | 264 | 422 | 405 | 401 |
| Ionic Strength | 1.12 | 1.48 | 1.46 | 1.38 | 1.31 | 1.31 |
| Temperature (°F) | 89 | 89 | 89 | 89 | 89 | 89 |
| Pressure (psia) | 50 | 50 | 120 | 120 | 120 | 119 |

**Saturation Index**

| | | | | | | |
|---|---|---|---|---|---|---|
| Calcite | -1.71 | -1.41 | -1.48 | -1.68 | -1.69 | -1.69 |
| Gypsum | -3.71 | -3.64 | -2.82 | -3.73 | -3.72 | -3.69 |
| Hemihydrate | -3.70 | -3.65 | -2.83 | -3.74 | -3.71 | -3.69 |
| Anhydrite | -3.89 | -3.79 | -2.97 | -3.89 | -3.88 | -3.85 |
| Barite | N/A | N/A | N/A | N/A | N/A | N/A |
| Celestite | N/A | N/A | N/A | N/A | N/A | N/A |

**PTB**

| | | | | | | |
|---|---|---|---|---|---|---|
| Calcite | N/A | N/A | N/A | N/A | N/A | N/A |
| Gypsum | N/A | N/A | N/A | N/A | N/A | N/A |
| Hemihydrate | N/A | N/A | N/A | N/A | N/A | N/A |
| Anhydrite | N/A | N/A | N/A | N/A | N/A | N/A |
| Barite | N/A | N/A | N/A | N/A | N/A | N/A |
| Celestite | N/A | N/A | N/A | N/A | N/A | N/A |

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

# WELL COMPLETION FORM

## WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL
2-14-10

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 33344
Name: Quest Cherokee, LLC
Address: 211 W. 14th Street
City/State/Zip: Chanute, KS 66720
Purchaser: Bluestem Pipeline, LLC
Operator Contact Person: Jennifer R. Ammann
Phone: ( 620 ) 431-9500
Contractor: Name: TXD
License: 33837
Wellsite Geologist: Ken Recoy

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FEB 14 2008
KCC

Designate Type of Completion:

✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
✓ Gas ____ ENHR ____ SIGW
____ 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./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Enhr.?) Docket No.

| 11-2-07 | 11-4-07 | 11-5-07 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-133-27254-0000
County: Neosho
__ - __ - NE - NW Sec. 33 Twp. 27 S. R. 19 ✓ East ☐ West
660 feet from S / (N) (circle one) Line of Section
1980 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Meyer, Don L. Well #: 33-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 895 Kelly Bushing: n/a
Total Depth: 1005 Plug Back Total Depth: 980
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from 980
feet depth to surface w/ 140 sx cmt.

**Drilling Fluid Management Plan** AH II NJ 6-809
*(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 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: Jennifer R. Ammann
Title: New Well Development Coordinator Date: 2/14/08
Subscribed and sworn to before me this 14th day of February, 20 08.
Notary Public: Terra Klauman
Date Commission Expires: 8-4-2010

TERRA KLAUMAN
Notary Public - State of Kansas
My Appt. Expires 8-4-2010

**KCC Office Use ONLY**

Y Letter of Confidentiality Received
✓ If Denied, Yes ☐ Date:
Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 20 2008
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

*Side Two*

Operator Name: Quest Cherokee, LLC Lease Name: Meyer, Don L. Well #: 33-1

Sec. 33 Twp. 27 S. R. 19 ☑ East ☐ West County: Neosho

**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 ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No
*(Submit Copy)*

List All E. Logs Run:

Compensated Density Neutron Log
Dual Induction Log

☑ Log ☐ Sample

Formation (Top), Depth and Datum

Name Top Datum

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" | 22 | 22 | "A" | 5 | |
| Production | 6-3/4 | 4-1/2 | 10.5 | 980 | "A" | 140 | |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

| 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 |
|---|---|---|---|
| 4 | 870-872/817-819/812-814 | 500gal 15%HCLw/ 50bbls 2%kcl water, 604bbls water w/ 2% KCL, Biocide, 4600# 20/40 sand | 870-872/817-819 |
| | | | 812-814 |
| 4 | 725-727/709-711/610-612/575-578/552-554 | 400gal 15%HCLw/ 57bbls 2%kcl water, 571bbls water w/ 2% KCL, Biocide, 4400# 20/40 sand | 725-727/709-711 |
| | | 610-612/575-578 | 552-554 |
| 4 | 472-476/461-465 | 400gal 15%HCLw/ 49bbls 2%kcl water, 683bbls water w/ 2% KCL, Biocide, 5400# 20/40 sand | 472-476/461-465 |

| TUBING RECORD | Size | Set At | Packer At | Liner Run |
|---|---|---|---|---|
| | 2-3/8" | 899.10ft | n/a | ☐ Yes ☑ No |

| Date of First, Resumerd Production, SWD or Enhr. | Producing Method |
|---|---|
| 2-4-08 | ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* |

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | n/a | 0.0 mcf | 0.0 bbls | | |

Disposition of Gas: ☐ Vented ☑ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other *(Specify)*

Production Interval

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 2 2008

# QUEST
Resource Corporation

211 W. 14TH STREET,
CHANUTE, KS 66720
620-431-9500

CONFIDENTIAL
FEB 14 2008
KCC

TICKET NUMBER 2559
FIELD TICKET REF # _____
FOREMAN Joe

625050

## TREATMENT REPORT & FIELD TICKET CEMENT

| DATE | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|---|---|---|---|---|
| 11-5-07 | Meyer Don 33-1 | 33 | 27 | 19 | NO |

| FOREMAN / OPERATOR | TIME IN | TIME OUT | LESS LUNCH | TRUCK # | TRAILER # | TRUCK HOURS | EMPLOYEE SIGNATURE |
|---|---|---|---|---|---|---|---|
| Joe | 12:45 | 5:00 | | 903427 | | 4.25 | |
| Tim | ↓ | 5:00 | | 903197 | | 4.25 | |
| Maverick | | 4:00 | | 903600 | | 3.25 | |
| Daniel | ↓ | 5:15 | | 931420 | | 4.5 | |
| ON location | | | | | | | NO driver |

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1000 CASING SIZE & WEIGHT 4 1/2 10.5
CASING DEPTH 979.94 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
DISPLACEMENT 15.62 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4bpm

REMARKS:
INSTALLED Cement head RAN 2SKS gel & 10 bbl dye & 1 SK gel & 140 SKS of Cement To get dye to surface. Flush pump. Pump wiper plug to bottom of set float shoe

| | | |
|---|---|---|
| | 979.94 | Ft 4 1/2 Casing |
| | 6 | Centralizers |
| | 1 | 4 1/2 Float shoe |

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION OF SERVICES OR PRODUCT | TOTAL AMOUNT |
|---|---|---|---|
| 903427 | 4.25 hr | Foreman Pickup | |
| 903197 | 4.25 hr | Cement Pump Truck | |
| 903600 | 3.25 hr | Bulk Truck | |
| 1104 | 130 SK | Portland Cement | |
| 1124 | 2 | ~~50/50 POZ Blend Cement~~ Baffles 3 1/2 & 3 | |
| 1126 | 1 | ~~OWC - Blend Cement~~ 4 1/2 wiper plug | |
| 1110 | 26 SK | Gilsonite | |
| 1107 | 1.5 SK | Flo-Seal | |
| 1118 | 6 SK | Premium Gel | |
| 1215A | 1 gal | KCL | |
| 1111B | 3 SK | ~~Sodium Silicate~~ Calchloride | |
| 1123 | 7000 gal | City Water | |
| 903140 | hr | Transport Truck | |
| 932152 | hr | Transport Trailer | |
| 931420 | 4.5 hr | 80 Vac | |

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KANSAS CORPORATION COMMISSION
FEB 20 2008
CONSERVATION DIVISION
WICHITA, KS

Ravin 4513

# TXD SERVICES DRILLERS LOG TXD SERVICES

| | | | | | |
|---|---|---|---|---|---|
| RIG # | 101 | S. 33 | T. 27 | R. 19 | |
| API # | 133-27254 | County: | Neosho | | |
| Elev.: | 895' | Location: | Kansas | | |

| | |
|---|---|
| Operator: | Quest Cherokee LLC |
| Address | 9520 N. May Ave., Suite 300 |
| | Oklahoma City, OK 73120 |
| WELL # | 33-1 |
| Lease Name: | Meyer, Don L. |
| Footage location | 660 ft. from the N line |
| | 1980 ft. from the W line |
| Drilling Contractor: | TXD SERVICES LP |
| Spud Date: | NA |
| Geologist: | |
| Date Comp: | 11-4-07 |
| Total Depth: | 1005' |
| Exact Spot Location | NE NW |

| GAS TESTS: | | |
|---|---|---|
| 498' | 7 - 1/2" | |
| 591' | 10 - 3/4" | 44.8 |
| 622' | 19 - 3/4" | 61.9 |
| 715' | 3 - 3/4" | 24.5 |
| 839' | 5 - 1/2" | 14.1 |
| 901' | 3 - 1/2" | 10.9 |
| 932' | slight blow | |
| 1005' | slight blow | |

**Casing Record**

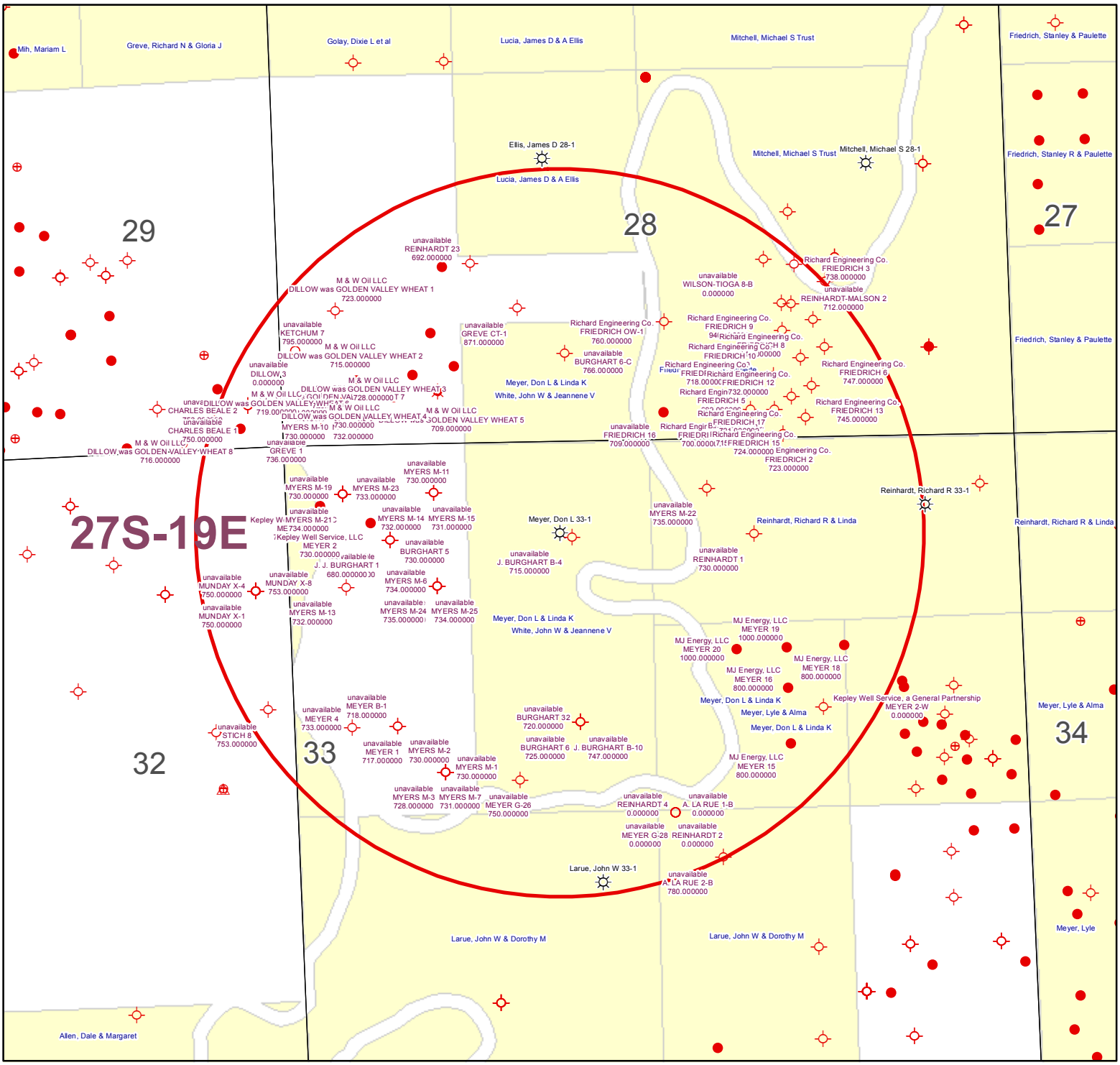
| | Surface | Production |
|---|---|---|
| Size Hole | 12-1/4" | 6-3/4" |
| Size Casing | 8-5/8" | 4-1/2" |
| Weight | 24# | 10-1/2# |
| Setting Depth | 22' | |
| Type Cement | | |
| Sacks | | |

**Rig Time**

**WELL LOG**

| Formation | Top | Btm. | Formation | Top | Btm. | Formation | Top | Btm. |
|---|---|---|---|---|---|---|---|---|
| top soil | 0 | 6 | lime | 439 | 459 | shale | 838 | 872 |
| shale/river grav | 6 | 33 | b.shale | 459 | 462 | coal/b.shale | 872 | 880 |
| lime | 33 | 38 | lime | 462 | 466 | sand | 880 | 887 |
| shale/river grav | 38 | 50 | coal | 466 | 467 | shale | 887 | 898 |
| lime | 50 | 82 | lime | 467 | 490 | coal | 898 | 900 |
| coal | 82 | 83 | coal | 490 | 491 | shale | 900 | 903 |
| lime | 83 | 106 | lime | 491 | 499 | lime/mississ | 903 | 1005 |
| sand/shale | 106 | 121 | sand/shale | 499 | 558 | | | |
| shale | 121 | 238 | b.shale | 558 | 560 | | | |
| coal | 238 | 240 | shale | 560 | 583 | | | |
| sand/shale | 240 | 270 | coal | 583 | 584 | | | |
| lime | 270 | 295 | sand | 584 | 616 | | | |
| sand | 295 | 321 | coal | 616 | 618 | | | |
| shale | 321 | 353 | shale | 618 | 711 | | | |
| lime | 353 | 363 | coal | 711 | 713 | | | |
| coal | 363 | 364 | shale | 713 | 734 | | | |
| shale | 364 | 374 | coal | 734 | 737 | | | |
| lime | 374 | 387 | sand/shale | 737 | 791 | | | |
| b.shale | 387 | 389 | shale | 791 | 829 | | | |
| shale | 389 | 421 | coal | 829 | 831 | | | |
| sand | 421 | 438 | shale | 831 | 835 | | | |
| coal | 438 | 439 | coal | 835 | 838 | | | |

Comments: 700' injected water.




## KGS STATUS

- DA/PA
- EOR
- GAS
- INJ/SWD
- OIL
- OIL/GAS
- OTHER

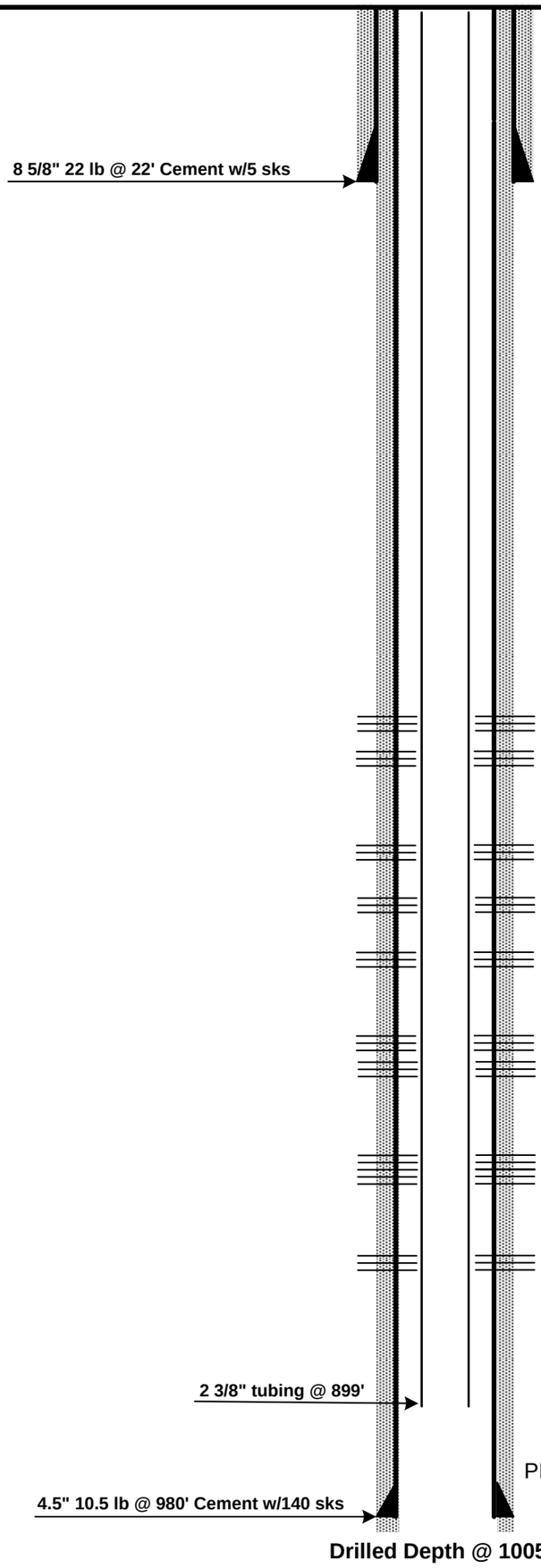
# Meyer, Don L 33-1
# 33-27S-19E
# 1" = 1,000'

| POSTROCK | PostRock | Current Completion |
|---|---|---|

**WELL** : Meyer, Don L 33-1
**FIELD** : Cherokee Basin
**STATE** : Kansas
**COUNTY** : Neosho

**SPUD DATE : 11/2/2007**
**COMP. Date : 11/5/2007**
**API: 15-133-27254-00-00**

**LOCATION: 33-27S-19E (NE,NW)**
**ELEVATION: 895'**




### Wellhead/Surface Equipment

| | |
|---|---|
| **Tree Connection** | |
| **Tree** | |
| **Tubing Head** | |
| **Bradenhead** | |
| **Pumping Unit** | |
| **Compressor** | |

### Tubular Detail

| Size | Weight | Grade | Cap(bbl/ft) | Date | Depth |
|---|---|---|---|---|---|
| 8 5/8" | 22 lb | | | 2007 | 22' |
| 4 ½" | 10.5 lb | | .0159 | 2007 | 980' |
| 2 3/8" | | | | 2007 | 899' |
| | | | | | |
| | | | | | |
| | | | | | |

### Downhole Equipment Detail

### Completion Data

Original as GAS Well per ACO-1

1,300 gals 15% HCL
1,858 bbls water
14,400 lbs 20/40 sand

### Perforations

Original Completion: 4 spf
461-465 Summit (17)
472-476 Mulky (17)
552-554 Bevier (9)
575-578 Croweburg (13)
610-612 Fleming (9)
709-711 Weir (9)
725-727 Weir (9)
812-814 Rowe (9)
817-819 Neutral (9)
870-872 Riverton (9)

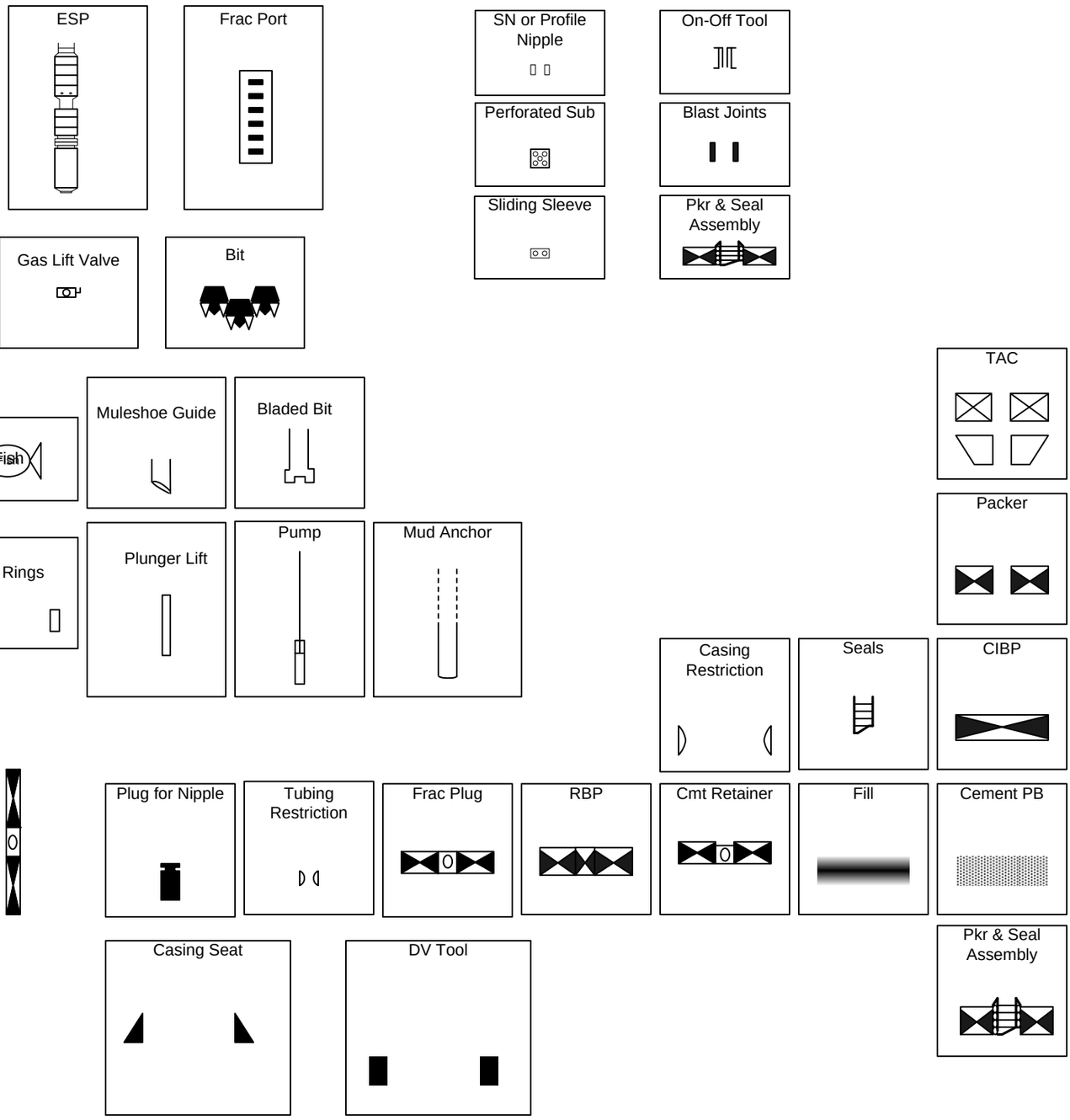
**PREPARED BY:** POSTROCK **DATE:** Sept, 2012

**APPROVED BY:** _____ **DATE:** _____

# POSTROCK

PostRock

## LEGEND



***MEYER, DON L 33-1***

1 NAME & UPPER & LOWER LIMIT OF EACH PRODUCTION INTERVAL TO BE COMMINGLED

| | | | | | |
|---|---|---|---|---|---|
| FORMATION: | WEIR | (PERFS): | 709 | - | 711 |
| FORMATION: | WEIR | (PERFS): | 725 | - | 727 |
| FORMATION: | ROWE | (PERFS): | 812 | - | 814 |
| FORMATION: | NEUTRAL | (PERFS): | 817 | - | 819 |
| FORMATION: | RIVERTON | (PERFS): | 870 | - | 872 |
| FORMATION: | CATTLEMAN | (PERFS): | 642 | - | 646 |
| FORMATION: | CATTLEMAN | (PERFS): | 678 | - | 674 |
| FORMATION: | CATTLEMAN | (PERFS): | 689 | - | 691 |
| FORMATION: | | (PERFS): | | - | |
| FORMATION: | | (PERFS): | | - | |
| FORMATION: | | (PERFS): | | - | |
| FORMATION: | | (PERFS): | | - | |

2 ESTIMATED AMOUNT OF FLUID PRODUCTION TO BE COMMINGLED FROM EACH INTERVAL

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FORMATION: | WEIR | BOPD: | 0 | MCFPD: | 1.16 | BWPD: | 4.2 |
| FORMATION: | WEIR | BOPD: | 0 | MCFPD: | 1.16 | BWPD: | 4.2 |
| FORMATION: | ROWE | BOPD: | 0 | MCFPD: | 1.16 | BWPD: | 4.2 |
| FORMATION: | NEUTRAL | BOPD: | 0 | MCFPD: | 1.16 | BWPD: | 4.2 |
| FORMATION: | RIVERTON | BOPD: | 0 | MCFPD: | 1.16 | BWPD: | 4.2 |
| FORMATION: | CATTLEMAN | BOPD: | 1 | MCFPD: | 0 | BWPD: | 6.67 |
| FORMATION: | CATTLEMAN | BOPD: | 1 | MCFPD: | 0 | BWPD: | 6.67 |
| FORMATION: | CATTLEMAN | BOPD: | 1 | MCFPD: | 0 | BWPD: | 6.67 |
| FORMATION: | 0 | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION: | 0 | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION: | 0 | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION: | 0 | BOPD: | | MCFPD: | | BWPD: | |

MEYER, DON L 33-1-APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

***Offset Operators, Unleased Mineral Owners and Landowners acreage***

*(Attach additional sheets if necessary)*

| Name: | Legal Description of Leasehold: |
|---|---|
| SEE ATTACHED | |

*I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.*

Jeff Morris

*Applicant or Duly Authorized Agent*

Subscribed and sworn before me this 11th day of OCTOBER, 2012

NOTARY PUBLIC * OFFICIAL SEAL * STATE OF KANSAS

JENNIFER R. BEAL
MY COMMISSION EXPIRES
7-20-2016

Jennifer R Beal

*Notary Public*

My Commission Expires: July 20, 2016

*MEYER, DON L 33-1*

| LEGAL LOCATION | SPOT | CURR_OPERA |
|---|---|---|
| S28-T27S-R19E | SW SE SW SE | **Bird Energy, Inc.** |
| S33-T27S-R19E | SE NE SW NE | **Kepley Well Service, a General Partnership** |
| S33-T27S-R19E | SW NW NW NW | **Kepley Well Service, LLC** |
| S33-T27S-R19E | NW NW NW | **Kepley Well Service, LLC** |
| S28-T27S-R19E | NE NE SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | NE SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | NE SE SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | SE SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | NW SE SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | SW SW SW | **M & W Oil LLC** |
| S28-T27S-R19E | NW SE SW SW | **M & W Oil LLC** |
| S29-T27S-R19E | SW SE SE SE | **M & W Oil LLC** |
| S33-T27S-R19E | NW SE SW NE | **MJ Energy, LLC** |
| S33-T27S-R19E | SW NE SW NE | **MJ Energy, LLC** |
| S33-T27S-R19E | NE NE SW NE | **MJ Energy, LLC** |
| S33-T27S-R19E | NW NE SW NE | **MJ Energy, LLC** |
| S33-T27S-R19E | NE NW SW NE | **MJ Energy, LLC** |
| S28-T27S-R19E | SW NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SW NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | NE SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | NE SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SE SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SW SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SW SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | NE NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SW SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | NW SE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SE NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SE NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | NW NE SW SE | **Richard Engineering Co.** |
| S28-T27S-R19E | SW NW SW SE | **Richard Engineering Co.** |

*MEYER, DON L 33-1*

**28-27S-19E**

| | |
|---|---|
| trt in SE4 SW4 | Roland L & M'Lee A McClay<br>20200 Liberty Rd<br>Chanute, KS 66720 |
| W2SW4 | Harry D Wheat & Betty Jo Wheat<br>1128 Money Ave<br>Augusta, K 67010 |

**29-27S-19E**

| | |
|---|---|
| trt in SE4 | Harry D Wheat & Betty Jo Wheat<br>1128 Money Ave<br>Augusta, K 67010 |

**32-27S-19E**

| | |
|---|---|
| E2 NE4 | Frank & Geneva Living Trust<br>C/O Paul Stich<br>7335 140th Rd<br>Chanute, KS 66720 |

**33-27S-19E**

| | |
|---|---|
| W2 NW lying E of Draw Creek | John W & Dorothy M. LaRue<br>11400 190th Rd<br>Chanute, KS 66720 |

***Affidavit of Notice Served***

Re: Application for: APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS ACO-4

Well Name: MEYER, DON L 33-1 Legal Location: NENW S33-T27S-R19E

The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day 11TH of OCTOBER, 2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

*Note: A copy of this affidavit must be served as a part of the application.*

| Name | Address *(Attach additional sheets if necessary)* |
|---|---|
| BIRD ENERGY, INC | 2020 THOMPSON, PO BOX 1612, DODGE CITY, KS 67801 |
| KEPLEY WELL SERVICE, A GENERAL PARTNERSHIP | 19245 FORD RD, CHANUTE, KS 66720 |
| KEPLEY WELL SERVICE, LLC | 19245 FORD RD, CHANUTE, KS 66720 |
| M & W OIL, LLC | PO BOX 22, HAMILTON, KS 66853 |
| MJ ENERGY, LLC | 3570 E 12TH AVE, STE 205, DENVER, CO 80206 |
| RICHARD ENGINEERING CO | 1228 S STUEBEN, CHANUTE, KS 66720 |
| SEE ATTACHED | |

I further attest that notice of the filing of this application was published in the THE CHANUTE TRIBUNE, the official county publication of NEOSHO county. A copy of the affidavit of this publication is attached.

Signed this 11th day of OCTOBER, 2012

Jeff Morris

*Applicant or Duly Authorized Agent*

Subscribed and sworn to before me this 11th day of OCTOBER, 2012

NOTARY PUBLIC OFFICIAL SEAL STATE OF KANSAS
JENNIFER R. BEAL
MY COMMISSION EXPIRES
7-20-2016

Jennifer R Beal

*Notary Public*

My Commission Expires: July 20, 2016

*MEYER, DON L 33-1*

**28-27S-19E**

| | |
|---|---|
| trt in SE4 SW4 | Roland L & M'Lee A McClay<br>20200 Liberty Rd<br>Chanute, KS 66720 |
| W2SW4 | Harry D Wheat & Betty Jo Wheat<br>1128 Money Ave<br>Augusta, K 67010 |

**29-27S-19E**

| | |
|---|---|
| trt in SE4 | Harry D Wheat & Betty Jo Wheat<br>1128 Money Ave<br>Augusta, K 67010 |

**32-27S-19E**

| | |
|---|---|
| E2 NE4 | Frank & Geneva Living Trust<br>C/O Paul Stich<br>7335 140th Rd<br>Chanute, KS 66720 |

**33-27S-19E**

| | |
|---|---|
| W2 NW lying E of Draw Creek | John W & Dorothy M. LaRue<br>11400 190th Rd<br>Chanute, KS 66720 |

BEFORE THE STATE
CORPORATION COMMISSION
OF THE STATE OF KANSAS
**NOTICE OF FILING**
**APPLICATION**

RE: In the Matter of **Postrock Midcontinent Production, LLC** Application for Commingling of Production in the **Meyer, Don L 33-1** located in **Neosho** County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that **Postrock Midcontinent Production, LLC** has filed an application to commingle the **Summit, Mulky, Bevier, Croweburg, Fleming, Weir, Rowe, Neutral, Riverton and Cattleman** producing formations at the **Meyer, Don L 33-1**, located in the **NE NW, S33-T27S-R19E, Approximately 660 FNL & 1981 FWL, Neosho** County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

**Postrock Midcontinent Production, LLC**
**210 Park Avenue, Suite 2750**
**Oklahoma City, Oklahoma 73102**
**(405) 660-7704**

A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS

# Affidavit of Publication

STATE OF KANSAS, NEOSHO COUNTY, ss:
*Rhonda Howerter,* being first duly sworn,
deposes and says: That *she* is *Classified Manager*
of *THE CHANUTE TRIBUNE,* a daily newspaper printed in the State of Kansas, and published in and of general circulation in Neosho County, Kansas, with a general paid circulation on a daily basis in Neosho County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a daily published at least weekly 50 times a year: has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Chanute, in said county as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for 1 ~~consecutive~~ time, the first publication thereof being made as aforesaid on the 10 day of October
2012, with subsequent publications being made on the following dates:

_____, 2012 _____, 2012

_____, 2012 _____, 2012

Rhonda Howerter

Subscribed and sworn to and before me this _____
10 day of October, 2012

_____
Notary Public

My commission expires: January 9, 2015

Printer's Fee ..... $ 70.14
Affidavit, Notary's Fee ..... $ 3.00
Additional Copies ..... $ _____
**Total Publication Fees** ..... $ 73.14

SHANNA L. GUIOT
Notary Public - State of Kansas
My Appt. Expires 1-9-15

# AFFIDAVIT

STATE OF KANSAS \
\- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for _1_ issues, that the first publication of said notice was

made as aforesaid on the **11th** of

**October** A.D. **2012**, with

subsequent publications being made on the following dates:

## LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
OCTOBER 11, 2012 (3211701)
BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS
**NOTICE OF FILING APPLICATION**

RE: In the Matter of **Postrock Midcontinent Production, LLC** Application for Commingling of Production in the **Meyer, Don L 33-1** located in **Neosho** County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that **Postrock Midcontinent Production, LLC** has filed an application to commingle the **Summit, Mulky, Bevier, Croweburg, Fleming, Weir, Rowe, Neutral, Riverton** and **Cattleman** producing formations at the **Meyer, Don L 33-1**, located in the **NE NW, S33-T27S-R19E, Approximately 660 FNL & 1981 FWL, Neosho** County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

**Postrock Midcontinent Production, LLC**
**210 Park Avenue, Suite 2750**
**Oklahoma City, Oklahoma 73102**
**(405) 660-7704**

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Mark Fletchall

Subscribed and sworn to before me this

**11th day of October, 2012**

PENNY L. CASE
Notary Public - State of Kansas
My Appt. Expires 5/28/2014

Penny L Case

**Notary Public Sedgwick County, Kansas**

Printer's Fee : **$132.40**

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/



October 30, 2012

Clark Edwards
PostRock Midcontinent Production LLC
Oklahoma Tower
210 Park Ave, Ste 2750
Oklahoma City, OK 73102

RE: Approved Commingling CO101206
Meyer, Don L. 33-1, Sec. 33-T27S-R19E, Neosho County
API No. 15-133-27254-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on October 16, 2012, has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the Riverton formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

**File form ACO-1 upon re-completion of the well to commingle.**

Commingling ID number CO101206 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann
Production Department