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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/25/10

Operator: License # 33365
Name: Layne Energy Operating, LLC
Address: 1900 Shawnee Mission Parkway
City/State/Zip: Mission Woods, KS 66205
Purchaser: _____
Operator Contact Person: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: MoKat Drilling
License: 5831

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Wellsite Geologist: _____
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

| | | |
|-----------------------------------|-----------------|---|
| 8/15/2008 | 8/19/2008 | Pending |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 125-31643-00-00
County: Montgomery
____ - ____ - ____ NW - SW Sec. 19 Twp. 32 S. R. 17 East West
2167 feet from S / N (circle one) Line of Section
4293 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Norris Well #: 10-19
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 775' Kelly Bushing: _____
Total Depth: 1097' Plug Back Total Depth: 1056'
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 1056
feet depth to Surface w/ 150 ^{sx cmt.}

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume _____ bbls
Dewatering method used N/A - Air Drilled
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

Alt 2-Dlg - 1/16/09

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: [Signature]
Title: Project Engineer Date: 11/25/08
Subscribed and sworn to before me this 25 day of November,
2008.
Notary Public: MacLaughlin Darline
Date Commission Expires: 1-4-2009

MacLAUGHLIN DARLINE
Notary Public - State of Kansas
My Appt. Expires 1-4-2009

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
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WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Norris Well #: 10-19
 Sec. 19 Twp. 32 S. R. 17 East West County: Montgomery

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 <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Pawnee Lime | 427 GL | 348 |
| Electric Log Run <i>(Submit Copy)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Excello Shale | 584 GL | 191 |
| List All E. Logs Run: | | V-Shale | 643 GL | 132 |
| Compensated Density Neutron | | Mineral Coal | 686 GL | 89 |
| Dual Induction | | Mississippian | 1014 GL | -239 |

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| 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 | # Sacjs Used | Type and Percent Additives |
| Surface | 11" | 8.625" | 24 | 22' | Class A | 4 | Type 1 cement |
| Casing | 6.75" | 4.5" | 10.5 | 1056' | Thick Set | 150 | 50/50 posmix w/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 |
|----------------|---|---|-------|
| | See Attached Page | | |

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

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| | |
|--|--|
| Date of First, Resumerd Production, SWD or Enhr. Pending | Producing Method |
| | <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 |
| | 0 | | 0 | | |

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

| | | | |
|---|--|--|---------------|
| Operator Name: | Layne Energy Operating, LLC. | | |
| Lease Name: | Norris 10-19 | | |
| | Sec. 19 Twp. 32S Rng. 17E, Montgomery County | | |
| API: | 15-125-31643-00-00 | | |
| Shots per Foot | Perforation Record | Acid, Fracture, Shot, Cement Squeeze Record | Depth |
| Initial Perforations (November 2008) | | | |
| 4 | Riverton 995' - 998' | 3600 lbs 20/40 sand 276 bbls water 300 gals 15% HCl acid | 995' - 998' |
| 4 | Rowe 937' - 938.5' | 2500 lbs 20/40 sand 153 bbls water 360 gals 15% HCl acid | 937' - 938.5' |
| 4 | Bluejacket 814' - 815.5' | 1900 lbs 20/40 sand 285 bbls water 600 gals 15% HCl acid | 814' - 815.5' |
| 4 | Weir 767.5' - 769' Tebo 760' - 761.5' | 5000 lbs 20/40 sand 309 bbls water 380 gals 15% HCl acid | 760' - 769' |
| 4 | Mineral 686' - 687.5' Croweburg 643' - 645.5' | 6000 lbs 20/40 sand 293 bbls water 450 gals 15% HCl acid | 643' - 687.5' |
| 4 | Mulky 585' - 590' | 5300 lbs 20/40 sand 472 bbls water 325 gals 15% HCl acid | 585' - 590' |

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GEOLOGIC REPORT

LAYNE ENERGY
Norris 10-19
NW SE, 2167 FSL, 3180 FEL
Section 19-T32S-R17E
Montgomery County, KS

Spud Date: 8/15/2008
Drilling Completed: 10/19/2008
Logged: 8/19/2008
A.P.I. #: 15125316430000
Ground Elevation: 775'
Depth Driller: 1097'
Depth Logger: 1097'
Surface Casing: 8.625 inches at 22'
Production Casing: 4.5 inches at 1056'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

| Formation | Tops | |
|-------------------|-----------------|----------|
| | (below ground) | (subsea) |
| | Surface (Dennis | |
| Kansas City Group | Limestone) | 775 |
| Pawnee Limestone | 427 | 348 |
| Excello Shale | 584 | 191 |
| "V" Shale | 643 | 132 |
| Mineral Coal | 686 | 89 |
| Mississippian | 1,014 | -239 |

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Daily Well Work Report

NORRIS 10-19
8/19/2008

Well Location:
MONTGOMERY KS
32S-17E-19 NW SW
2167FSL / 4293FWL

Cost Center C01026100100
Lease Number C010261
Property Code KSCV32S17E1910
API Number 15-125-31643

| Spud Date | RDMO Date | First Compl | First Prod | EFM Install | CygnnetID |
|-----------|------------|-------------|------------|-------------|--------------|
| 8/15/2008 | 10/19/2008 | | | 11/20/2008 | NORRIS_10_19 |

| TD | PBTD | Sf Csg Depth | Pr Csg Depth | Tbg Size | Csg Size |
|------|------|--------------|--------------|----------|----------|
| 1097 | 1056 | 22 | 1056 | | |

| | | |
|--|-------------------|-------------------------|
| Reported By krd | Rig Number | Date 8/15/2008 |
| Taken By krd | | Down Time |
| Present Operation DRILL OUT SURFACE | | Contractor MOKAT |

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Narrative

MI RU MOKAT DRILLING, DRILLED 11" HOLE 22' DDEP, RIH W/1JOINT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT. DUMPED DOWN THE BACKSIDE. SDFN DWC:\$2,880

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CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 19245
LOCATION Eureka
FOREMAN Troy Stricker

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------|------------|--------------------|---------|----------|---------|--------|
| 8-20-08 | 4758 | Norris 10-19 | | | | mc |
| CUSTOMER | | | | | | |
| Layne Energy | | | | | | |
| MAILING ADDRESS | | | | | | |
| P.O. Box 160 | | | | | | |
| CITY | STATE | ZIP CODE | | | | |
| Sycamore | Ks | | | | | |
| | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| | | | 520 | Cliff | | |
| | | | 441 | David | | |

Gus Jones

JOB TYPE Longstry HOLE SIZE 6 3/4" HOLE DEPTH 1096' CASING SIZE & WEIGHT 4 1/2" 10.5"
CASING DEPTH 1093 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.9" SLURRY VOL 37.4 bbl WATER gal/sk 6 CEMENT LEFT in CASING 0'
DISPLACEMENT 17.4 bbl DISPLACEMENT PSI 500 MIX PSI 1000 bumpy RATE _____

REMARKS: Safety Meeting. Rig up to 4 1/2" casing. Break Circulation w/ 700 bbl water. Pump back Gel-Flurk w/ Hulls 50% water spacer. Mixed 150 lbs 50/50 Poz-mix Cement w/ 2% Cacl₂, 2% Gel, 4" Kol-Seal, 3" Cal-Seal 1/2" Phenoreal, 1/2% FL-110, + 1/4% Ca.F-38 @ 13.9" yield 1.40. Work out Pump + lines, Release Ply. Displace w/ 16.8 bbl water. Final Pumping Pressure 500 PSI. Pump Ply to 1000 PSI wait 2 mins. Release Pressure. Float Hold. Good Cement to surface = 7.8 bbl Slurry to Bit.
Job Complete
L Displacement was 1/2 bbl short. (Approx 35') will run wireline to check.

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|-----------------|---------|
| 5401 | 1 | PUMP CHARGE | 925.00 | 925.00 |
| 5406 | 40 | MILEAGE | 3.65 | 146.00 |
| 1124 | 150 lbs | 50/50 Poz-Mix Cement | 9.75 | 1462.50 |
| 1102 | 250 # | 2% Cacl ₂ | .75 | 187.50 |
| 1118A | 250 # | 2% Gel | .17 | 42.50 |
| 1110A | 600 # | 4" Kol-Seal | .42 | 252.00 |
| 1101 | 450 # | 3" Cal-Seal | .36 | 162.00 |
| 1107A | 19 # | 1/2" Phenoreal | 1.15 | 21.85 |
| 1135 | 63 # | 1/2% FL-110 | 7.50 | 472.50 |
| 1146 | 31 # | 1/4% CAF-38 | 7.70 | 238.70 |
| 1118A | 300 # | Gel-Flurk | .17 | 51.00 |
| 1105 | 50 # | Hulls | .39 | 19.50 |
| 5407A | 6.3 Km | 700-mileage | 1.20 | 302.40 |
| 4404 | 1 | 4 1/2" Top Rubber Ply | 45.00 | 45.00 |
| 5605A | 4 hrs | Welder | 85.00 | 340.00 |
| 4311 | 1 | 4 1/2" weld on Collar | 70.00 | 70.00 |
| | | | Sub Total | 4738.45 |
| | | | SALES TAX 5.1% | 160.33 |
| | | | ESTIMATED TOTAL | 4898.78 |

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Thank You!
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AUTHORIZATION Witnessed by Jacob TITLE Cap DATE _____

Ravin 3737