KANSAS CORPORATION COMMISSION OF GIVAL **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

September 1999 Form Must Be Typed

API No. 15 - 125-30526 ~ 0000 Operator: License # 33365 Name: Layne Energy Operating, LLC County: Montgomery Address: 1900 Shawnee Mission Parkway NW_NE_ - Sec. 16 Two. 32 S. R. 16 7 East West City/State/Zip: Mission Woods, KS 66205 _____feet from S / (N) (circle one) Line of Section ____ feet from 🗗 W (circle one) Line of Section Purchaser:__ Operator Contact Person: Victor H Dyal Footages Calculated from Nearest Outside Section Corner: Phone: (913) 748-3987 (circle one) NE __ Well #: 2-16 Lease Name: Adams Contractor: Name: MOKAT Drilling Field Name: Brewster License: 5831 Producing Formation: Cherokee Coals Wellsite Geologist: ____ Elevation: Ground: 809 _ Kelly Bushing: Designate Type of Completion: Total Depth: 1202 Plug Back Total Depth: 1190 ✓ New Well ____ Re-Entry ____ Workover Amount of Surface Pipe Set and Cemented at 20 _____ SWD _____ SIOW _____Temp. Abd. **√** Gas Yes No ____ ENHR ____ SIGW Multiple Stage Cementing Collar Used? If yes, show depth set ____ __ Other (Core, WSW, Expl., Cathodic, etc) If Alternate II completion, cement circulated from 1199 If Workover/Re-entry: Old Well Info as follows: feet depth to Surface w/ 130 Operator: Well Name: **Drilling Fluid Management Plan** Original Comp. Date: _____ Original Total Depth: ___ (Data must be collected from the Reserve Pit) ____Conv. to Enhr./SWD ____ Deepening _____ Re-perf. Chloride content N/A ___ ppm Fluid volume_____ bbis Dewatering method used N/A - Air Drilled ____Plug Back Total Depth Plug Back_.... Docket No.____ __ Commingled Location of fluid disposal if hauled offsite: Docket No.___ __ Dual Completion Operator Name:_____ Other (SWD or Enhr.?) Docket No.___ _____License No.:____ 5/10/2004 5/12/2004 2/4/2005 Completion Date or Soud Date or Date Reached TD Recompletion Date Recompletion Date _____ 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. KCC Office Use ONLY Signature: Letter of Confidentiality Attached If Denied, Yes Date: _ Subscribed and sworn to before me this _ Wireline Log Received 20 05 **Geologist Report Received UIC Distribution** RECEIVED MARGARET ALLEN Date Commission Expires: 10/14/2004

Notary Public - State bi Kansas

My Appt. Expires...

KCC WICHITA

OCT 2 8 2009

| Operator Name: Lay | ne Energy Oper | əting, LLC. | Lease | e Name: | Adams | | _ Well #: 2-16 | 3 | |
|--|--|--|----------------------------|--------------|--|---------------------|--|-------------------------------|--|
| Sec. 16 Twp. 3 | 32 S. R. 46 | . 📝 East 🗌 West | | y: Mont | | | | | |
| INSTRUCTIONS: S tested, time tool ope temperature, fluid rec | how important tops a n and closed, flowing covery, and flow rate | and base of formations g and shut-in pressures s if gas to surface test, final geological well site | s, whether s along with | hut-in pre | ssure reached | static level, hydro | static pressur | es, bottom hole | |
| Drill Stem Tests Take | • • • | Yes No | | ∑ L | og Formatio | on (Top), Depth a | nd Datum | Sample | |
| Samples Sent to Ge | | Yes No | | Nam | е | | Тор | Datum | |
| Cores Taken | - | ☐ Yes 🗹 No | | Paw | nee Lim e | | 546 GL | 263 | |
| Electric Log Run (Submit Copy) | | ✓ Yes ☐ No | | Exce | ello Shale | | 699 GL | 110 | |
| List All E. Logs Run: | | | | V Sł | nale | | 749 GL | 60 | |
| Compensated D | annihe Nigutean | | | Mine | eral Coal | | 791 GL | 18 | |
| Dual Induction | | Mississippian | | | | 1103 GL | -294 | | |
| | | CASIN Report all strings se | 3 RECORD | ✓ No | _ | ion, etc. | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | | ight /Ft. | Setting Depth | Type of Cement | # Sacjs Used | Type and Percent Additives | |
| Surface | 11 | 8.65 | 24 | | 20 | Class A | 4 | Type 1 cemer | |
| Casing | 6.75 | 4.5 | 10.5 | | 1199 | Thick Set | 130 | | |
| | | | | | | | | | |
| | | ADDITION | L CEMENTI | ING / SQL | JEEZE RECORD | | | | |
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks | s Used | Type and Percent Additives | | | | |
| Protect Casing Plug Back TD | | | | | | | | | |
| Plug Off Zone | | | | ·········· | | | | | |
| | OFOCODATI | ON OFFICER Prints Pl | On Col Cina | | Asid Fra | Nura Chat Camari | Causes Base | | |
| Shots Per Foot | Specify | ON RECORD - Bridge Pi Footage of Each Interval P | erforated |) | | | re, Shot, Cement Squeeze Record unt and Kind of Material Used) Depth | | |
| | See Attached | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | |
| TUBING RECORD | Size 375 | Set At 1165 | Packer / | At | Liner Run | Yes 🗹 No | | | |
| | d Production, SWD or E | | ethod | Flowing | J ✓ Pumpir | ng 🔲 Ges Lif | t Othe | er (Explain) | |
| Estimated Production Per 24 Hours | 1 - | Bbls. Gas | Mcf | Wate | er Bi | ols. G | as-Oil Ratio | Gravity | |
| Disposition of Gas | 0 METHOD OF C | 6.4 | | 72 | Production Interv | | | | |
| Vented Sold | Used on Lease | Open Hole | Perf | , Ma | Jually Comp. | Commingled | | | |
| | bmit ACO-18.) | Other (Spe | | · | , | | | | |

| Operator Name: | Layne Energy Operating, LLC. | | |
|----------------|---|--|----------|
| Lease Name: | Adams 2-16 | | |
| | Sec. 16 Twp. 32S Rng. 16E, Montgomery County | | |
| API: | 15-125-30526 | | |
| Shots per Foot | Perforation Record | Acid, Fracture, Shot, Cement Squeeze Record | Depth |
| 4 | 1088-1090, 1034.5-1036, 922-928 | Riverton, Rowe, Bluejacket - 1,500gal 15% HCL + 440 bbls water + 3,727# 20/40 Sand | 922-1090 |
| 4 | 762-763, 753-754.5, 727-728.5, 699.5-706, 670- 675 | Flemming, Croweberg, Iron Post, Mulky, Summit - 2,400g 15% HCL + 470bbls Water + 1,500# 20/40 Sand | 670-763 |

RECEIVED

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