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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008

ORIGINAL

Form must be Typed

7/8/11

KCC WICHITA

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33002

Name: KERR-MCGEE OIL & GAS ONSHORE LP

Address 1: P.O. BOX 1330

Address 2: \_\_\_\_\_

City HOUSTON State TX Zip: 77251 + 1330

Contact Person: DIANA SMART

Phone ( 832 ) 636-8380

CONTRACTOR: License # 30606

Name: MURFIN DRILLING CO INC.

Wellsite Geologist: \_\_\_\_\_

Purchaser: NCRA

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: 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. \_\_\_\_\_

03/16/2010 03/23/2010 05/12/2010

Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API NO. 15- 187-21163-00-00

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

SE  SW Sec. 21 Twp. 29 S. R. 41  East  West

660 Feet from  North /  South Line of Section

1980 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: STANTON

Lease Name PRO FARMS Well # 21-3

Field Name ARROYO

Producing Formation MORROW

Elevation: Ground 3392 Kelley Bushing \_\_\_\_\_

Total Depth 5865 Plug Back Total Depth \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1680 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 ALIENS 748-10  
(Data must be collected from the Reserve Pit)

Chloride content 3450 ppm / Fluid volume 0 bbls

Dewatering method used Evaporation

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 on 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.

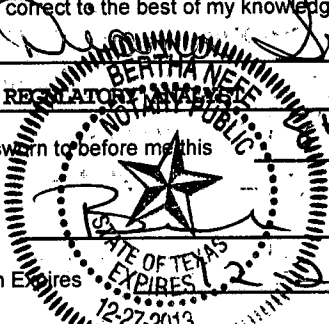
Signature [Signature] Date 07/08/2010

Title STAFF REGULATORY ANALYST

Subscribed and sworn to before me this 5 day of July

Notary Public [Signature]

Date Commission Expires 12-27-2013



KCC Office Use ONLY

|                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Letter of Confidentiality Attached <u>7/8/10-7/8/11</u> |
| <input type="checkbox"/>            | If Denied, Yes <input type="checkbox"/> Date: _____     |
| <input checked="" type="checkbox"/> | Wireline Log Received                                   |
| <input checked="" type="checkbox"/> | Geologist Report Received                               |
| <input type="checkbox"/>            | UIC Distribution  |

Operator Name KERR-MCGEE OIL & GAS ONSHORE LP Lease Name PRO FARMS Well # 21-3

Sec. 21 Twp. 29 S.R. 41  East  West

County STANTON

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during 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 (Attach Additional Sheets)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy)  Yes  No

List All E.Logs Run:

**BOREHOLE PROFILE** CBL

**MD LOG**

**ARRAY INDUCTION**

**DENSITY/NEUT/RESIST**

Log Formation (Top), Depth and Datums  Sample

Name Top Datum

MORROW GROUP 4964  
 MORROW "F" 5246  
 BASE MORROW "F" 5284  
 LOWER MORROW 5342  
 ST. GENEVIEVE 5453

**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 |
|-------------------|-------------------|---------------------------|-----------------|---------------|------------------|--------------|----------------------------|
| <u>SURFACE</u>    | <u>12.25</u>      | <u>8 5/8</u>              | <u>24</u>       | <u>1680</u>   | <u>STANDARD</u>  | <u>780</u>   | <u>3% 2% CC</u>            |
| <u>PRODUCTION</u> | <u>7.875</u>      | <u>5 1/2</u>              | <u>14</u>       | <u>5860</u>   | <u>50/50 POZ</u> | <u>350</u>   | <u>5% 5% CALSEAL</u>       |
|                   |                   |                           |                 |               | <u>PREM</u>      |              |                            |

**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            |
|----------------|--|--|------------------|
| <u>3</u>       | <u>5362-68 5388-94 5402-08</u>   | <u>1000 GALS 7.5% FE/NE</u>  | <u>5434-5444</u> |
| <u>3</u>       | <u>5416-20 5434-44</u>   | <u>2500 GALS 7.5% FE/NE</u>  | <u>5362-5420</u> |
|                |  | <u>70,000# 16/30 SAND</u>  | <u>5362-5444</u> |
|                | <u>TOC = 2342</u>  |  |                  |

**TUBING RECORD** Size 2 3/8 Set At 5498 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. 05/12/2010 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours: Oil 37 Bbls. Gas 135 Mcf Water 1 Bbls. Gas-Oil Ratio 3648 Gravity 40.6

**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:** 5362-5444

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Cementing Job Summary

The Road to Excellence Starts with Safety

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|  |                                    |                             |                          |
|--|------------------------------------|-----------------------------|--------------------------|
| Sold To #: 300466                        | Ship To #: 2774353                 | Quote #:                    | Sales Order #: 7253553   |
| Customer: ANADARKO PETROLEUM CORP - EBUS |                                    | Customer Rep: Heston, Myron |                          |
| Well Name: Pro Farms                     | Well #: 21-3                       | API/UWI #:                  |                          |
| Field:                                   | City (SAP): JOHNSON                | County/Parish: Stanton      | State: Kansas <b>KCC</b> |
| Contractor: Murfin Drilling              | Rig/Platform Name/Num: 25          |                             |                          |
| Job Purpose: Cement Production Casing    |                                    |                             | JUL 11 2010              |
| Well Type: Development Well              | Job Type: Cement Production Casing |                             |                          |
| Sales Person: HESTON, MYRON              | Srv Supervisor: DEETZ, DONALD      | MBU ID Emp #: 389855        |                          |

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Job Personnel

| HES Emp Name    | Exp Hrs | Emp #  | HES Emp Name   | Exp Hrs | Emp #  | HES Emp Name      | Exp Hrs | Emp #  |
|-----------------|---------|--------|----------------|---------|--------|-------------------|---------|--------|
| DEETZ, DONALD E | 10.5    | 389855 | HAYES, CRAIG H | 10.5    | 449385 | PORTILLO, CESAR S | 10.5    | 457847 |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10714253C  | 40 mile        | 10994449   | 40 mile        | 11133699   | 40 mile        |            |                |

Job Hours

| Date    | On Location Hours | Operating Hours | Date    | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|---------|-------------------|-----------------|---------|-------------------|-----------------|------|-------------------|-----------------|
| 3-22-10 | 2.5               | 1               | 3-23-10 | 8                 |                 |      |                   |                 |

TOTAL Total is the sum of each column separately

Job

Job Times

| Formation Name | Formation Depth (MD)   | Top      | Bottom        | Called Out    | Date            | Time            | Time Zone |     |
|----------------|------------------------|----------|---------------|---------------|-----------------|-----------------|-----------|-----|
| Form Type      | Job depth MD           | 5873. ft | Job Depth TVD | 5873. ft      | Job Started     | 23 - Mar - 2010 | 05:38     | CST |
| Water Depth    | Perforation Depth (MD) | From     | To            | Job Completed | 23 - Mar - 2010 | 06:40           | CST       |     |
|                |                        |          |               | Departed Loc  | 23 - Mar - 2010 | 08:00           | CST       |     |

Well Data

| Description       | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|-------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Production Hole   |            |                   |         | 7.875 |               |        |       |           | 5860.        |            |               |
| Production Casing | Unknown    |                   | 5.5     | 5.012 | 14.           |        |       |           | 5860.        |            |               |
| Surface Casing    | Unknown    |                   | 8.625   | 8.097 | 24.           |        |       |           | 1680.        |            |               |

Sales/Rental/3<sup>rd</sup> Party (HES)

| Description                                   | Qty | Qty uom | Depth | Supplier |
|---|-----|---------|-------|----------|
| ZI PLUG CONTAINER RENTAL-1ST DAY              | 1   | EA      |       |          |
| PLUG, CMTG, TOP, 5 1/2, HWE, 4.38 MIN/5.09 MA | 1   | EA      |       |          |
| SHOE, GID, 5-1/2 8RD                          | 1   | EA      |       |          |
| PLUG ASSY, 3 WIPR LTH-DWN, 5 1/2 CSG          | 1   | EA      |       |          |
| CENTRALIZER ASSY - TURBO - API -              | 18  | EA      |       |          |
| KIT, HALL WELD-A                              | 1   | EA      |       |          |
| BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN          | 1   | EA      |       |          |

Tools and Accessories

| Type         | Size  | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size  | Qty | Make |
|--------------|-------|-----|------|-------|-------------|------|-----|------|-------|----------------|-------|-----|------|
| Guide Shoe   | 5 1/2 | 1   | h    | 5873  | Packer      |      |     |      |       | Top Plug       | 5 1/2 | 1   | h    |
| affle        | 5 1/2 | 1   | h    | 5829  | Bridge Plug |      |     |      |       | Bottom Plug    |       |     |      |
| Float Collar |       |     |      |       | Retainer    |      |     |      |       | SSR plug set   |       |     |      |
| Insert Float |       |     |      |       |             |      |     |      |       | Plug Container | 5 1/2 | 1   | h    |
| Stage Tool   |       |     |      |       |             |      |     |      |       | Centralizers   | 5 1/2 | 18  | h    |

Miscellaneous Materials

| Gelling Agt | Conc | Surfactant | Conc | Acid Type | Qty | Conc | % |
|-------------|------|------------|------|-----------|-----|------|---|
|             |      |            |      |           |     |      |   |

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Cementing Job Summary

| Treatment Fld                            | Conc                       | Inhibitor                          | Conc   | Sand Type   | Size                   | Qty                       |                  |              |                        |
|--|----------------------------|------------------------------------|--------|---|------------------------|---------------------------|------------------|--------------|------------------------|
| <b>Fluid Data</b>                        |                            |                                    |        |   |                        |                           |                  |              |                        |
| <b>Stage/Plug #: 1</b>                   |                            |                                    |        |   |                        |                           |                  |              |                        |
| Fluid #                                  | Stage Type                 | Fluid Name                         | Qty    | Qty uom   | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | 50/50Poz Premium Scavenger | POZ PREMIUM 50/50 - SBM (12302)    | 25.0   | sacks   | 10.5                   | 4.27                      | 26.58            |              | 26.58                  |
|  | 5 %                        | CAL-SEAL 60, 50 LB BAG (101217146) |        |   |                        |                           |                  |              |                        |
|  | 5 %                        | POTASSIUM CHLORIDE 5% (100001585)  |        |   |                        |                           |                  |              |                        |
|  | 8 lbm                      | KOL-SEAL, BULK (100064233)         |        |   |                        |                           |                  |              |                        |
|  | 0.5 %                      | HALAD(R)-322, 50 LB (100003646)    |        |   |                        |                           |                  |              |                        |
|  | 26.581 Gal                 | FRESH WATER                        |        |   |                        |                           |                  |              |                        |
| 2  | 50/50 Poz Premium          | POZ PREMIUM 50/50 - SBM (12302)    | 325.0  | sacks   | 13.8                   | 1.57                      | 6.72             |              | 6.72                   |
|  | 5 %                        | CAL-SEAL 60, 50 LB BAG (101217146) |        |   |                        |                           |                  |              |                        |
|  | 5 %                        | POTASSIUM CHLORIDE 5% (100001585)  |        |   |                        |                           |                  |              |                        |
|  | 8 lbm                      | KOL-SEAL, BULK (100064233)         |        |   |                        |                           |                  |              |                        |
|  | 0.5 %                      | HALAD(R)-322, 50 LB (100003646)    |        |   |                        |                           |                  |              |                        |
|  | 6.724 Gal                  | FRESH WATER                        |        |   |                        |                           |                  |              |                        |
| 3  | Displacement               |                                    | 142.00 | bbl   | 8.33                   | .0                        | .0               | .0           |                        |
|  | 251 lbm/Mgal               | POTASSIUM CHLORIDE 3% (100001585)  |        |   |                        |                           |                  |              |                        |
| <b>Calculated Values</b>                 |                            | <b>Pressures</b>                   |        | <b>Volumes</b>  |                        |                           |                  |              |                        |
| Displacement                             | 142                        | Shut In: Instant                   |        | Lost Returns  | 0                      | Cement Slurry             | 110              | Pad          |                        |
| Top Of Cement                            | 2342                       | 5 Min                              |        | Cement Returns  | 0                      | Actual Displacement       | 142              | Treatment    |                        |
| Frac Gradient                            |                            | 15 Min                             |        | Spacers   | 0                      | Load and Breakdown        |                  | Total Job    | 252                    |
| <b>Rates</b>                             |                            |                                    |        |   |                        |                           |                  |              |                        |
| Circulating                              | 6                          | Mixing                             | 6      | Displacement  | 6                      | Avg. Job                  | 6                |              |                        |
| Cement Left In Pipe                      | Amount                     | 44 ft                              | Reason | Shoe Joint  |                        |                           |                  |              |                        |
| Frac Ring # 1 @                          | ID                         | Frac ring # 2 @                    | ID     | Frac Ring # 3 @   | ID                     | Frac Ring # 4 @           | ID               |              |                        |
| The Information Stated Herein Is Correct |                            |                                    |        | Customer Representative Signature<br><i>[Signature]</i> |                        |                           |                  |              |                        |

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Cementing Job Summary

The Road to Excellence Starts with Safety

|  |                                     |                        |                        |
|--|-------------------------------------|------------------------|------------------------|
| Sold To #: 300466                        | Ship To #: 2774353                  | Quote #:               | Sales Order #: 7244893 |
| Customer: ANADARKO PETROLEUM CORP - EBUS |                                     | Customer Rep:          |                        |
| Well Name: Pro Farms                     | Well #: 21-3                        | API/UWI #:             |                        |
| Field:                                   | City (SAP): JOHNSON                 | County/Parish: Stanton | State: Kansas          |
| Contractor: MURFIN                       | Rig/Platform Name/Num: 25           | JUL 11 2010            |                        |
| Job Purpose: Cement Surface Casing       |                                     |                        |                        |
| Well Type: Development Well              | Job Type: Cement Surface Casing     |                        | CONFIDENTIAL           |
| Sales Person: HESTON, MYRON              | Srvc Supervisor: WILTSHIRE, MERSHEK | MBU ID Emp #: 195811   |                        |

Job Personnel

| HES Emp Name             | Exp Hrs | Emp #  | HES Emp Name  | Exp Hrs | Emp #  | HES Emp Name    | Exp Hrs | Emp #  |
|--------------------------|---------|--------|---------------|---------|--------|-----------------|---------|--------|
| HAYES, CRAIG H           | 7.5     | 449385 | LOPEZ, JUAN R | 7.5     | 198514 | PORTILLO, CESAR | 7.5     | 457847 |
| WILTSHIRE, MERSHEK Tonje | 7.5     | 195811 |               |         |        |                 |         |        |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
|            |                |            |                |            |                |            |                |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
|      |                   |                 |      |                   |                 |      |                   |                 |

TOTAL

Total is the sum of each column separately

Job

Job Times

| Formation Name              | Formation Depth (MD) Top | Bottom            | Called Out    | Date            | Time  | Time Zone |
|-----------------------------|--------------------------|-------------------|---------------|-----------------|-------|-----------|
|                             |                          |                   | On Location   | 18 - Mar - 2010 | 00:00 | CST       |
| Form Type                   |                          | BHST              | Job Started   | 18 - Mar - 2010 | 04:00 | CST       |
| Job depth MD                | 1680 ft                  | Job Depth TVD     | Job Completed | 18 - Mar - 2010 | 08:54 | CST       |
| Water Depth                 |                          | Wk Ht Above Floor | Job Completed | 18 - Mar - 2010 | 10:22 | CST       |
| Perforation Depth (MD) From |                          | To                | Departed Loc  | 18 - Mar - 2010 | 11:30 | CST       |

Well Data

| Description    | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|----------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Surface Hole   |            |                   |         | 12.25 |               |        |       |           |              |            |               |
| Surface Casing | Unknown    |                   | 8.625   | 8.097 | 24.           |        |       |           | 1680         | 1680       |               |

Sales/Rental/3<sup>rd</sup> Party (HES)

| Description                                   | Qty | Qty uom | Depth | Supplier |
|---|-----|---------|-------|----------|
| PLUG, CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA | 1   | EA      |       |          |
| SHOE, GID, 8-5/8 8RD                          | 1   | EA      |       |          |
| VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft     | 1   | EA      |       |          |
| FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8        | 1   | EA      |       |          |
| CENTRALIZER ASSY - API - 8-5/8 CSG X          | 5   | EA      |       |          |
| CLP, LIM, 8 5/8, FRICT, WTH DOGS              | 1   | EA      |       |          |
| KIT, HALL WELD-A                              | 1   | EA      |       |          |

Tools and Accessories

| Type         | Size | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe   |      |     |      |       | Packer      |      |     |      |       | Top Plug       |      |     |      |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |      |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |      |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container |      |     |      |
| Stage Tool   |      |     |      |       |             |      |     |      |       | Centralizers   |      |     |      |

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KCC WICHITA

Cementing Job Summary

Miscellaneous Materials

|               |      |            |      |           |      |      |   |
|---------------|------|------------|------|-----------|------|------|---|
| Gelling Agt   | Conc | Surfactant | Conc | Acid Type | Qty  | Conc | % |
| Treatment Fld | Conc | Inhibitor  | Conc | Sand Type | Size | Qty  |   |

Fluid Data

Stage/Plug #: 1

| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|---------|------------|------------|-----|---------|------------------------|---------------------------|------------------|--------------|------------------------|
|---------|------------|------------|-----|---------|------------------------|---------------------------|------------------|--------------|------------------------|

|   |                 |  |      |      |      |    |    |    |  |
|---|-----------------|--|------|------|------|----|----|----|--|
| 1 | Water Pre-Flush |  | 0.00 | bbbl | 8.33 | .0 | .0 | .0 |  |
|---|-----------------|--|------|------|------|----|----|----|--|

|   |                    |  |       |       |      |      |       |  |       |
|---|--------------------|--|-------|-------|------|------|-------|--|-------|
| 2 | MID-CON 2 STANDARD | MIDCON-2 CEMENT STANDARD - SBM (15078) | 530.0 | sacks | 11.4 | 2.95 | 18.09 |  | 18.09 |
|---|--------------------|--|-------|-------|------|------|-------|--|-------|

|  |     |  |  |  |  |  |  |  |  |
|--|-----|--|--|--|--|--|--|--|--|
|  | 3 % | CALCIUM CHLORIDE - HI TEST PELLETT (100005053) |  |  |  |  |  |  |  |
|--|-----|--|--|--|--|--|--|--|--|

|  |       |                             |  |  |  |  |  |  |  |
|--|-------|-----------------------------|--|--|--|--|--|--|--|
|  | 0.1 % | WG-17, 50 LB SK (100003623) |  |  |  |  |  |  |  |
|--|-------|-----------------------------|--|--|--|--|--|--|--|

|  |         |                          |  |  |  |  |  |  |  |
|--|---------|--------------------------|--|--|--|--|--|--|--|
|  | 0.5 lbm | POLY-E-FLAKE (101216940) |  |  |  |  |  |  |  |
|--|---------|--------------------------|--|--|--|--|--|--|--|

|  |           |             |  |  |  |  |  |  |  |
|--|-----------|-------------|--|--|--|--|--|--|--|
|  | 18.09 Gal | FRESH WATER |  |  |  |  |  |  |  |
|--|-----------|-------------|--|--|--|--|--|--|--|

|   |          |                                   |       |       |      |     |      |  |      |
|---|----------|-----------------------------------|-------|-------|------|-----|------|--|------|
| 3 | STANDARD | CMT - STANDARD CEMENT (100003684) | 250.0 | sacks | 15.6 | 1.2 | 5.22 |  | 5.22 |
|---|----------|-----------------------------------|-------|-------|------|-----|------|--|------|

|  |        |  |  |  |  |  |  |  |  |
|--|--------|--|--|--|--|--|--|--|--|
|  | 94 lbm | CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684) |  |  |  |  |  |  |  |
|--|--------|--|--|--|--|--|--|--|--|

|  |     |  |  |  |  |  |  |  |  |
|--|-----|--|--|--|--|--|--|--|--|
|  | 2 % | CALCIUM CHLORIDE - HI TEST PELLETT (100005053) |  |  |  |  |  |  |  |
|--|-----|--|--|--|--|--|--|--|--|

|  |          |                          |  |  |  |  |  |  |  |
|--|----------|--------------------------|--|--|--|--|--|--|--|
|  | 0.25 lbm | POLY-E-FLAKE (101216940) |  |  |  |  |  |  |  |
|--|----------|--------------------------|--|--|--|--|--|--|--|

|  |           |             |  |  |  |  |  |  |  |
|--|-----------|-------------|--|--|--|--|--|--|--|
|  | 5.218 Gal | FRESH WATER |  |  |  |  |  |  |  |
|--|-----------|-------------|--|--|--|--|--|--|--|

|   |              |  |  |      |      |    |    |    |  |
|---|--------------|--|--|------|------|----|----|----|--|
| 4 | Displacement |  |  | bbbl | 8.33 | .0 | .0 | .0 |  |
|---|--------------|--|--|------|------|----|----|----|--|

| Calculated Values |  | Pressures        |  | Volumes        |  |                     |           |
|-------------------|--|------------------|--|----------------|--|---------------------|-----------|
| Displacement      |  | Shut In: Instant |  | Lost Returns   |  | Cement Slurry       | Pad       |
| Top Of Cement     |  | 5 Min            |  | Cement Returns |  | Actual Displacement | Treatment |
| Frac Gradient     |  | 15 Min           |  | Spacers        |  | Load and Breakdown  | Total Job |

Rates

|             |  |        |  |              |  |          |  |
|-------------|--|--------|--|--------------|--|----------|--|
| Circulating |  | Mixing |  | Displacement |  | Avg. Job |  |
|-------------|--|--------|--|--------------|--|----------|--|

|                     |        |      |        |            |  |  |  |
|---------------------|--------|------|--------|------------|--|--|--|
| Cement Left In Pipe | Amount | 0 ft | Reason | Shoe Joint |  |  |  |
|---------------------|--------|------|--------|------------|--|--|--|

|                 |    |                 |    |                 |    |                 |    |
|-----------------|----|-----------------|----|-----------------|----|-----------------|----|
| Frac Ring # 1 @ | ID | Frac ring # 2 @ | ID | Frac Ring # 3 @ | ID | Frac Ring # 4 @ | ID |
|-----------------|----|-----------------|----|-----------------|----|-----------------|----|

The Information Stated Herein Is Correct

Customer Representative Signature

