

Phone (405) 246-3170

Designate Type of Completion

Operator: License #

City/State/Zip

Wellsite Geologist:

Operator:

Well Name:

Spud Date or

Name:

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

Form ACO-1 September 1999

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & L

| perator: License # 5278 | API NO. 15- 189-22667-00-00 |
|---|--|
| ame: EOG Resources, Inc. | County Stevens |
| ddress 3817 NW Expressway, Suite 500 | <u>N2 - SW - NW - NF Sec. 28 Twp. 31</u> S. R. <u>35</u> ☐ E X W |
| ty/State/Zip Oklahoma City, OK 73112-1483 | 740 Feet from SN circle one) Line of Section |
| urchaser: Teppco Crude Oil, Inc./ ONEOK | 2310 Feet from FW (circle one) Line of Section |
| perator Contact Person: Malinda Crall | Footages Calculated from Nearest Outside Section Corner: |
| none (405) 246-3170 | (circle one) NE SE NW SW |
| ontractor: Name: KENAI MID-CONTINENT, INC. | Lease Name Cullison well# 28 #3 |
| cense: 34000 KANSISCORPORATION COMMISSION CONTINENT. INC. | Field Name |
| ellsite Geologist: KANSAS CURTON 2 2009 | Producing Formation Mississippian |
| esignate Type of Completion RECEIVED X New Well Re-Entry Workover X Oil SWD SIOW Temp. Abd. | Elevation: Ground 3005 Kelley Bushing 3017 |
| X New Well Re-Entry Workover | Total Depth 6200 Plug Back Total Depth 6144 Est. |
| XOil SWD SIOW Temp. Abd. | Amount of Surface Pipe Set and Cemented at 1658 Feet |
| Gas ENHR SIGW | Multiple Stage Cementing Collar Used? Yes X No |
| Dry Other (Core, WSW, Expl., Cathodic, etc.) | If yes, show depth setFeet |
| Workover/Reentry: Old Well Info as follows: | If Alternate II completion, cement circulated from |
| perator: | feet depth tow/sx cmt. |
| ell Name: | Drilling Fluid Management Plan AITI-Dig-4/17/09 |
| riginal Comp. Date Original Total Depth | (Data must be collected from the Reserve Pit) |
| Deepening Re-perf Conv. to Enhr./SWD | Chloride content 4000 ppm Fluid volume 1000 bbls |
| Plug Back ———Plug Back Total Depth | Dewatering method used Evaporation |
| Commingled Docket No | Location of fluid disposal if hauled offsite: |
| Dual Completion Docket No | Operator Name |
| Other (SWD or Enhr?) Docket No. | Lease NameLicense No |
| 11-7-08 11-14-08 1-14-09 | QuarterSecTwpS RE W |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | County Docket No. |
| | |
| Kansas 67202, within 120 days of the spud date, recompletion, wor Information on side two of this form will be held confidential for a peri 82-3-107 for confidentiality in excess of 12 months). One copy of all CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with | th the Kansas Corporation Commission, 130 S. MarkeT - Room 2078, Wichita, kover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. iod of 12 months if requested in writing and submitted with the form (see rule wireline logs and geologist well report shall be attached with this form. ALL an all plugged wells. Submit CP-111 form with all temporarily abandoned wells. |
| All requirements of the statutes, rules and regulations promulgated to reg | Harp the oil and gas industry have been fully complied with and the statements |
| Signature Palinta & (500) | STABLE CONTINUES |
| Title Sr. Operations Assistant Date 2/ | KCC Office Use ONLY |
| Subscribed and swom to before me this 27th day of February | |
| 0.09 | If Denied, Yes Date: Wireline Log Received |
| Notary Public Sherese Fostetic | Wireline Log Received Geologist Report Received |
| | UIC Distribution |

| CEMENTING TICKETS MUST BE ATTACHED. Submit C | |
|--|--------------------------------------|
| All requirements of the statutes, rules and regulations promuterein are complete and correct to the best of my knowledge Signature Signature Signature | ulgated to regulate the oil and e. |
| Title Sr. Operations Assistant | Date 2/27/2009 |
| Subscribed and swom to before me this 27th day of 20 09 . Notary Public Joseph | February 06/26/12 |
| Date Commission Expires 6/26/2012 | PUBLIC AND THE PROPERTY OF OKLANDING |
| | |

| | | | | Side Tw | o o | | | म् दिन्दू | o a · |
|--|---|--------------------------------|--------------------------|-------------------------------|--------------|--------------------|---|-----------------|-------------------------------|
| Operator Name EOG F | Resources | | | Lease | Nam | e Cullison | g die er de la de | Well # | # 28 # 3 |
| Sec. <u>28</u> Twp. <u>31</u> | s.r. <u>35</u> | ☐ East | ₩es | County | y <u>_</u> S | Stevens | | | • |
| INSTRUCTIONS: Shot tested, time tool open a temperature, fluid reconstruction Electric Wireline Logs s | and closed, flow overy, and flow | ing and shut-i rates if gas | in pressure to surfac | es, whether shoe during test. | ut-in | pressure reac | hed static level, h | nydrostatic i | pressures, bottom ho |
| Drill Stem Tests Taken (Attach Additional SI | neets.) | Yes | X No | [X] | Log | ĺ | Formation (Top), [| Depth and [| Datums Samp |
| Samples Sent to Geolog | ical Survey | X Yes | ☐ No | Nam | e | | Тор | D | atum |
| Cores Taken | | X Yes | ☐ No | | | | | | |
| Electric Log Run (Submit Copy.) | | X Yes | ☐ No | See At | tach | ned | | | |
| List All E.Logs Run: | | | | | | | | | |
| Array Compensated Density Dual Space Sonic Array Log, (Density Dual Space | ed Neutron M Cement Bond | icrolog, B Log, Spect | orehole ral | | | | | | |
| | | CASING | RECORD | X New | χη Us | sed | | | |
| | Repor | t all strings se | t-conducto | r, surface, inter | | | n, etc. | | |
| Purpose of String | Size Hole Drilled | Size Cas Set (In C | | Weight Lbs./Ft. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12-1/4 | 8-5/8 | | 24 | | 1658 | Midcon-2 PP | 300 | See Attached |
| | | | | <u> </u> | | | Prem Plus | 180 | See Attached |
| Production | 7-7/8 | 5-1/2 ADD | ITIONAL (| 15.5 EMENTING/S | OUE | 6191 EZE RECORD | POZ PP | 130 | See Attached |
| Purpose Perforate | Depth Top Bottom | | Cement | #Sacks U | | | Type and Pe | rcent Additi | ves |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | W WE: | |
| Shots Per Foot | PERFORATION Specify Foot | RECORD - B age of Each Ir | | | | | re, Shot, Cement S I Kind of Material U | | ord Depth |
| 4 | 6000-6024 | | | | | Frac w/ 1 | .09M# proppant | t, 25M ga | ils. 6000-6024 |
| | *************************************** | <u>-</u> | | | | linear ge | elled 2% KCL F | 120, 76M | gals |
| | | | | | | 70%Q CO2 | foam. | | |
| TUBING RECORD | Size 2-7/8 | Set At 5990 | | Packer At | | Liner Run | ☐ Yes [X] | No | |
| Date of First, Resumed | | | Produ | cing Method | | | | | |
| 1-14-09 | <u> </u> | | | Flowing | X P | umping G | as Lift Othe | er (Explain) | |
| Estimated Production Per 24 Hours 2-3 | Oil 1-09 72 | Bbls. | Gas 40 | Mcf | Wate | er Bbls. | Gas-Oil F 555.55 | Ratio | Gravity 41.00 |
| Disposition of Gas: | | OF COMPLET | • | | - | | Production Interv | /al | |
| ─ Vented ☑ Sold (If vented, submit A | Used on Lo | ease [| - ' | lole Perfor | ation | Dually C | omp. 🔲 Commin | gled | |

| ACO-1 Com | ACO-1 Completion Report | | | | | | | | | | |
|---------------------------------------|-------------------------|-------|--|--|--|--|--|--|--|--|--|
| Well Name : CULLISON 28 #3 | | | | | | | | | | | |
| FORMATION | TOP | DATUM | | | | | | | | | |
| | | | | | | | | | | | |
| WABAUNSEE | 3295 | -278 | | | | | | | | | |
| BASE OF HEEBNER | 4125 | -1108 | | | | | | | | | |
| LANSING | 4234 | -1217 | | | | | | | | | |
| MARMATON | 4913 | -1896 | | | | | | | | | |
| CHEROKEE | 5097 | -2080 | | | | | | | | | |
| ATOKA | 5369 | -2352 | | | | | | | | | |
| MORROW | 5510 | -2493 | | | | | | | | | |
| ST GENEVIEVE | 6042 | -3025 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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KANSAS CORPORATION COMMISSION
MAR 0 2 2009

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CONFIDENTIAL

Cementing Job Summary

| | nent Fld | | Co | | inhibito | | | Conc | | d Туре | T | Size | Qty |
|---|---|------------|--------------------|--------------------|----------------|------------------|------------|-----------------------------|--|-----------------|------------------------|---|--|
| | | MAG. | | ers and the second | THE PERSON OF | Flů | id Data | r grade | | | 1 | 100 x 100 The A | |
| · ···································· | age/Plug/ | ¥: 1 | Water State of the | A STATE OF | C. 1884. (2.2) | 74 - 7 1 - 2 1 P | in Major | | | a marine | | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | mades with. |
| Fluid # | Stage Ty | | | Fluid | | | Qty | Qty uom | Mixing Density Ibm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate | Total Mix Fluid Gal/si |
| 1 | Primary Cement | | POZ PR (14239) | EMIUM PLU | 8.06 | | 8.06 | | | | | | |
| | 6 % | | CAL-SE | AL 60, 50 LE | BAG (1012 | 217146) | | | | | | | |
| | 10 % | | SALT, B | ULK (10000: | 3695) | | | | | | | | |
| | 2 lbm | | PRESSL | JR-SEAL LC | M, 40 LB (1 | 0120435 | 6) | | | | | V W | |
| | 0.6 % | | HALAD(I | R)-344, 50 L | B (1000036 | 70) | | | | | | | |
| | 0.5 % | | D-AIR 30 | 000 (101007 | 446) | | | | | | | | |
| | 8.063 Gal | | FRESH | WATER | | | | | | | | | |
| | 0.1 % | | WG-17, | 50 LB SK (1 | 00003623) | | | | | | | | |
| 2 | Displacem | ent | | | | | 146.00 | bbl | | .0 | .0 | .0 | |
| 1 | 67 lbm/Mga | ıl | POTASS | SIUM CHLOF | RIDE 7% (10 | 00001585 | 5) | | ·*···································· | | | اربب | ~ |
| | 1 ppb | | SUGAR - | - GRANULA | TED, 10 LB | BAG (1 | 01507884 |) | | | | | |
| 3 | Mouse and | i Rat | POZ PRI | EMIUM PLU | S 50/50 - SI | вм | 25.0 | sacks | 13.5 | 1.66 | 8.06 | | 8.06 |
| | Hole | | (14239) | | | | <u> </u> | | | | | | |
| | 6 % | | | AL 60, 50 LB | | 17146) | | | | | | | |
| | 10 % | | | JLK (100003 | | | | | | | | | |
| | 2 lbm | | | R-SEAL LC | <u> </u> | | 3) | | | | | | |
| | 0.6 % | | | R)-344, 50 LI | | 70) | ····· | | | | | | |
| | 0.5 % | | | 00 (1010074 | 146) | | | | | | | | |
| | 8.063 Gal | | FRESH V | | | | | | | | | | |
| de la la la contraction de la | 0.1 % | | | 50 LB SK (10 | | | | | | | | | |
| . Ca | lculated V | | | Pressu | es | | | and the second | V. | lumes | | AN CONTRACTOR | there was a second of the seco |
| | ement | 146 | | in: instant | | Lost Re | | | Cement SI | | | Pad | |
| | Cement | 5417 | | | <u> </u> | Cement | t Returns | | Actual Dis | | | Treatm | ent |
| -rac G | adient | Joan Socie | 15 Mi | in | | Spacer | 3 | Access States Villa VIII CV | Load and | | | Total J | |
| | 5. 3. W. 7. P. P. P. S. | | | and the second | | | | | | | was kin | | |
| Circul | | 6 | | Mixing | 5 | | Displac | ement | 6 | | Avg. Jo | ob | 5 |
| | ent Left In P | | Amount | | | Joint | | | | T = | | | |
| rrac R | ing # 1 @ | | D F | rac ring # 2 | @ | | Frac Rin | | | J F | rac Ring | #4@ | ID |
| Th | e Informa | tion : | Stated F | derein Is (| Correct | Custom | er Represe | ntative Sig | | Posat | ` Y | | |

KANSAS CORPORATION COMMISSION

MAR 0 2 2009

RECEIVED

KCC FEB 2 6 2009 CONFIDENTIAL

Summit Version: 7.20.130

Saturday. November 15, 2008 16:00:00

Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 348223 Ship To #: 2694485 Quote #: Sales Order #: 6321209 Customer: EOG RESOURCES INC EBUSINESS Customer Rep: Passig, Dale Well Name: Cullison Well #: 28-3 API/UWI #: City (SAP): MOSCOW County/Parish: Stevens Field: State: Kansas Contractor: .KENAI Rig/Platform Name/Num: 55 #580-461-0844 Job Purpose: Cement Production Casing Well Type: Development Well Job Type: Cement Production Casing Sales Person: BLAKEY, JOSEPH Srvc Supervisor: LOPEZ, CARLOS MBU ID Emp #: 321975 Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# BERUMEN. 13 267804 **EVANS, JOSHUA Alien** 13 427571 LOPEZ, CARLOS 13 321975 **EDUARDO Equipment HES Unit #** Distance-1 way **HES Unit #** Distance-1 way **HES Unit #** Distance-1 way **HES Unit #** Distance-1 way 10251401C 50 mile 10825713 50 mile 10897857 50 mile 6610U 50 mile D0131 50 mile Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 11-15-08 13 2 TOTAL Total is the sum of each column separately Lod Times . If Formation Name Date Time Time Zone ormation Depth (MD) Top Bottom 15 - Nov - 2008 Called Out 01:00 CST BHST Form Type On Location 15 - Nov - 2008 05:00 CST 6192. ft Job depth MD Job Depth TVD 6192. ft Job Started 15 - Nov - 2008 14:25 CST Water Depth Wk Ht Above Floor 5. ft Job Completed 15 - Nov - 2008 15:37 CST Perforation Depth (MD) From То Departed Loc 15 - Nov - 2008 18:00 CST Well Data Description New / Max Size ID Weight Thread Grade Top MD **Bottom** Top Bottom Used pressure in in lbm/ft ft MD TVD TVD psig ft ft ft **Production Hole** 7 875 1700. 6201 New Production 5 5 4.95 15.5 J-55 6200. Casing Surface Casing 8.097 Used 8.625 24 1700 CANCELL CASE Sales/Rental/3rd Party (HES) Description Qty Qty uom Depth **Supplier** KANSAS CORPORATION COMMISSION CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4 EA SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL 1 ĒΑ MAR 0 2 2009 CENTRALIZER ASSY - TURBO - API -15 EA KIT.HALL WELD-A 1 EA RECEIVED PLUG, CMTG, TOP, 5 1/2, HWE, 4.38 MIN/5.09 MA 1 EA COLLAR-STOP-5 1/2"-W/DOGS EΑ Tools and Accessories Type Size Qtv | Make | Depth Type Size Qtv 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 Miscellaneous Materials Gelling Agt Conc Surfactant Conc Acid Type Qty Conc

Summit Version: 7.20.130

Saturday. November 15, 2008 16:00:00

Cementing Job Log

The Road to Excellence Starts with Safety
#: 2694485 Quote #:

| | Ship To #: 2694 | | (| Quote #: | | | Sales | Order #: 6321209 | | | |
|--|---------------------------------------|----------------------|--|------------|----------------|---|-----------------------|--|--|--|--|
| Customer: EOG RESOURCES INC EBUSINESS Customer Rep: Passig, Dale | | | | | | | | | | | |
| Well Name: Cullison | | | | | | | | | | | |
| | (SAP): MOSCO | N Co | unty/F | Parish: S | tevens | | State: | Kansas | | | |
| Legal Description: | | | | | | | | | | | |
| Lat: | · - | | | .ong: | | | | | | | |
| Contractor: .KENAI | | atform N | lame/N | lum: 55 | #580-46 | | | | | | |
| Job Purpose: Cement Production | ··· | | | | | Ticket | Amount | | | | |
| Well Type: Development Well | | | | oduction | | | | | | | |
| Sales Person: BLAKEY, JOSEF | PH Srvc S | | | PEZ, CAI | RLOS | | D Emp #: | 321975 | | | |
| Sugar Special Superior | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Rate | | ume: | Pre | SSUTE * 1 | Property of the state of the st | | | |
| Activity Description | Pare/utme | -Cht- | DD // | | 00 × | P | 90 | : • Comments - v . ⊨ | | | |
| | | # | min: | Stage | | r Tubing | l Casino | | | | |
| Call Out | 11/15/2008 | (a) 1/25 (a) 1/2 (a) | di Santa | | | 2 1324 1 2 2 ET 27 20 20 20 20 20 20 20 20 20 20 20 20 20 | 2 90,000 A 50 90 A 50 | 4 HOUR CALL OUT BY | | | |
| | 01:00 | | | | | ļ | ļ | DISPATCH : ED KING | | | |
| Safety Huddle | 11/15/2008 02:20 | | | | | [| | PRE DEPARTURE | | | |
| | 02.20 | | | | | ļ | | JOURNEY MANEGEMENT | | | |
| Arrive at Location from | 11/15/2008 | | | | | | <u> </u> | UPON ARRIVAL I | | | |
| Service Center | 05:00 | | | | | | ĺ | NOTICED THAT | | | |
| | | | | | | | | LOCATION WAS | | | |
| | | | | | | | | CLEAN AND DRY | | | |
| Rig-Up Equipment | 11/15/2008 | | | | | | | RIGGED UP WATER | | | |
| | 05:15 | İ | | | ļ | | | HOSES TO TRUCK | | | |
| | | | | | | | | AND IRON ONLY TO A SAFE DISTANCE | | | |
| | | | | | PORATION CC | MISSION | 1 | BECAUSE THEY | | | |
| | | | | Kansas Cor | BORNION | | | WERE STILL RUNNING | | | |
| | | | | | 2022 | hng | | CASING. | | | |
| Wait on Customer or | 11/15/2008 | | | M | ROZZ ECEIV | | | STILL RUNNING | | | |
| Customer Sub-Contractor | 06:00 | | | D | :CEIV | ED | | CASING DOWN HOLE | | | |
| Equip | 4445(0000 | | | K | | | | | | | |
| Start Job | 11/15/2008 14:25 | | ļ | | | | | STABBED CEMENT | | | |
| | 14:25 | | i | | | | | HEAD AND HAD SAFETY MEETING W/ | | | |
| | | | } | | | | | CO. MAN AND RIG | | | |
| | | | | | | ~ | | CREW AT DOG | | | |
| | | | ł | | KC | | | HOUSE WHILE | | | |
| | | ĺ | ļ | | O C | 2009 | | CIRCULATING WELL | | | |
| | | | | | LEB 7 A | | | FOR 1.5 HOURS | | | |
| Pump Cement | 11/15/2008 | İ | 3 | 7.5 | MFI | C 2009 DENTH | | PLUGGED RAT AND | | | |
| | 14:27 | ĺ | | 4 | ן יייטל | | | MOUSE HOLES W/ 25 | | | |
| | | | | | | | | SKS OF 50/50 POZ | | | |
| | 1 | | | | | | | CEMENT MIXED @ 13.5 # | | | |
| Test Lines | 11/15/2008 | | | | | | 3500. | CHECKING LINES AND | | | |
| . 55. 4.1155 | 14:41 | | | | | | 0 | TRUCK FOR LEAKS | | | |
| | | | l. | | | | | THOUR TON LEAKS | | | |

Sold To #: 348223

Ship To #:2694485

Quote #:

Sales Order #:

6321209

SUMMIT Version: 7.20.130

Saturday. November 15. 2008 04:00:00

Cementing Job Log

| Activity Description :: * | * Date/Jime* | e chair | Rate bbl/ | Voi | ume: | 0.4 | Sure | | | |
|---|---------------------|---------|--------------|------|--------------|-----|------------|--|--|--|
| Activity to the second second | Dale/inte | # | min | L L | Dia Total | | | Comments: | | |
| Pump Cement | 11/15/2008 14:46 | | 5 | 38.4 | 45.9 | | 200.0 | 130 SKS OF 50/50 POZ MIXED @ 13.5# | | |
| Clean Lines | 11/15/2008 14:56 | | | | | | | WASHED UP LINES AND TUB OUT TO PIT | | |
| Drop Top Plug | 11/15/2008 14:59 | | | | | | | DROPPED PLUG WHILE JOSH WASHED UP | | |
| Pump Displacement | 11/15/2008 15:00 | | 5 | 146 | | | 400.0 | FRESH WATER | | |
| Other | 11/15/2008 15:23 | | 2 | | | | 500.0 | SLOWED RATE DOWN TO 2 BPM | | |
| Bump Plug | 11/15/2008 15:29 | | 2 | | | | 530.0 | TOOK PRESSURE 500 psi OVER TO LAND PLUG | | |
| Pressure Up | 11/15/2008 15:30 | | 2 | | | | 1050. 0 | TESTING FLOAT | | |
| Release Casing Pressure | 11/15/2008 15:32 | | | | | | | FLOAT HELD GOT 1 bbls BACK TO TRUCK | | |
| End Job | 11/15/2008 15:36 | | | | 191.9 | | | EXECUTED JOB AS PLANNED W/ OUT ANY SET BACKS | | |
| Safety Meeting - Pre Rig- Down | 11/15/2008 15:45 | | | | | | | | | |
| Depart Location for Service Center or Other Site | 11/15/2008 18:00 | | | | | | | THANK YOU FOR CALLING HES CARLOS AND CREW | | |

KANSAS CORPORATION COMMISSION

MAR 0 2 2009

RECEIVED

KCC FEB 2 6 2009 CONFIDENTIAL

Sold To #: 348223

Ship To #:2694485

Quote #:

Sales Order #:

6321209

SUMMIT Version:

7.20.130

Saturday. November 15. 2008 04:00:00

Cementing Job Summary

| | | | | | The Road | to Exc | | | vith Sa | fety | | | | | |
|-------------------------|---------|---------------------------------------|------------|---------------------------|--|---------------------------------------|-----------------------|--|-------------|-------------|---------------------------------------|--------------|---------------------------------------|--|-------------|
| Sold To # | 3482 | 23 | | Ship | Γo #: 26944 | 185 | C | luote #: | | | | Sales C | Order i | #: 6303 | 305 |
| Customer | : EOC | RES | DURCE | S INC E | BUSINESS | 1 | C | ustome | r Rep | Pass | ig, Dale | | | | |
| Well Name | e: Cui | lison | • | | V | Veli #: | 28-3 | | | | API/UV | N1 #: | | | |
| Field: | | | С | ity (SAP |): MOSCOV | V | County/I | Parish: | Steven | s | | State: | Kansa | s | |
| Contracto | r: .KE | NAI | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ····· | Name/N | | | | | · | | | |
| Job Purpo | se: (| Cemen | t Surfa | ce Casir | | | | | | | | | ~ | | |
| Well Type | | | | | | ne: Ce | ement Su | rface Ca | sina | | · · · · · · · · · · · · · · · · · · · | | | | |
| Sales Pers | | | | | | | sor: GR | | | V | MBU ID E | mp #: 3 | 200155 | | |
| 00.001.010 | ,011. | | 1,000 | <u> </u> | D. 10 0 | | Job Pers | | CI / CIV | 1 | NDO ID LI | пр ж. з | 33 130 | <u>, </u> | |
| HES En | nn Na | | Exp Hr | s Emp | # HES | Emp | | Exp Hr | Em | .# 1 | NEG E | mp Nam | | Exp Hrs | Emp# |
| FLORES, | | | 8.5 | 45783 | | | | 8.5 | 4471 | | GRAVES, | | | 8.5 | 399155 |
| | | | 0.0 | 10.00 | Estrada | | | 0.5 | 1 | 30 | CICIVES, | | - | 0.5 | 399133 |
| PARUZIN | SKI, JO | NHC | 8.5 | 44138 | 0 PATTER | RSON, | HARRY | 8.5 | 3593 | 71 | TORRES, | CLEMEN | ΠE | 8.5 | 344233 |
| Harrison | | · · · · · · · · · · · · · · · · · · · | L | | Louis | · · · · · · · · · · · · · · · · · · · | | 1 | <u> </u> | | | | | | |
| | | | | | | | Equipn | | | | | | | | |
| HES Unit | | stance | -1 way | HES U | | ance-1 | | HES Unit | | | e-i way | HES Ur | rit # | Utstan | ce-1 way |
| 10219237 | 50 | mile | | 102402 | 45 50 mil | e | 1 | 0415642 | 51 |) mile | | 10/3/4/ | ' 15 | ು ಹಚ | |
| 10897857 | 50 | mile | | 54218 | 50 mil | e | 7 | 5819 | . 50 |) mile | : | D0312 | : | 50 mile | |
| | | | | | | | Job Ho | urs | | | •••• | | | | |
| Date | i On | Locat | ion / C | perating | Date | . (| On Locati | | perating | , , | Ūate | i On i | .ocatio | n Eō | perating |
| | | Hours | | Hours | .] | i | Hours | | Hours | 9 | | | iours | 1 | Hours |
| 11-8-2008 | Ī | 8.5 | · i · | 1.5 | 1 | 1 | | 1 | | _ i | | 1 | | i | |
| OTAL | | | | | | | Tot | al is the s | sum of e | each c | olumn sepa | arately | | | |
| | | | 27 | Job | | | | 3 | | | | Times | | | - |
| ormation N | lame | <u> </u> | | , ,= = = | La . 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | E | | <u></u> | | Date | | Time | Ti | ne Zone |
| ormation [|)epth | (MD) | Гор | | Botte | Om | | Calle | ed Out | | 08 - Nov - | | 07:00 | | CST |
| orm Type | | | <u> </u> | BI | HST | J | | | ocatio | | 08 - Nov - | | 09:30 | | CST |
| ob depth N | ID | - | 1663. ft | | b Depth TVI |) | 1700.1 | | Started | | 08 - Nov - | | 15:30 | | CST |
| Vater Depth | | | | | k Ht Above F | | 3. ft | | Comple | | 08 - Nov - | | 17:00 | | CST |
| erforation | | (MD) F | rom | | То | 1 | <u> </u> | | irted L | | 08 - Nov - | | 18:00 | | CST |
| | | X/F | | | 1.0 | · | Well Da | | ii cc c | | | 2000 | 10.00 | | |
| Descripti | on | New / | Ma | x Si | ze ID | Weigl | | Thread | | - Cr | de : Tor | MD B | ottom | Тор | Bottom |
| | | Used | | | n in | lbm/f | 1 | ineau | | Gie | | ft i | MD | TVD | TVD |
| | | | ps | . ! | | | | | | į | | • | ft | R | R |
| Surface Hole | • | | 1 | | 12.25 | ••• | | | •• •• • • | 1 | + | | 1700. | 1 | 1 |
| Surface Cas | ing | Unknov | N | 8.6 | | 24. | i | | | | * - + | | 624.7 | | <u> </u> |
| | | n | | | | | | | | | ĺ | 1 | | İ | İ |
| | 的类的 | 的音樂則 | 建汽车计 | 和機能性 | Se Se | iles/R | ental/3 rd | Party (F | (ES) | भू । स् | March Land Co | Marie Land | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1978 A |
| | | | | Des | | | | | | Qty | Qty uom | Depth | | Supp | |
| HOE,CSG,1 | IGER | TOOTI | H,8 5/8 | N 8RD | | ***** | | • | | 1 | EA | | - | | |
| LVASSY,IN | | | | | ft . | | MEIDE B 5 6 X | <i></i> | | 1 | EA | KA | NSAS (1) | RPORATIO | N COMMISSIO |
| ILLUP ASS | | | | | | | - 0 ~ N | VIQ. | | 1 | EA | | | | |
| ENTRALIZE | | | | | | FE | Bray | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | 9 | EA | | | AD n o | מחמי |
| LP,LIM,8 5/ | | | | | | | FINE | MITH | | | | ļ | M | AR 0 2 | 2009 |
| ASKET - CE | | | | | | -C 0 | HAINE | 14 | | 0 | EA | <u> </u> | -DE | -^= 1 | WED- |
| LUG,CMTG | | | | | 0 840 | | | | | 1 | EA | | K | <u>:UEI</u> | VED |
| *** | | | VVE. / . Z | J. WILLY O.L | | ◆ rationes | | 77 727 | | 1 | EA | <u> </u> | | | |
| | | | | egile qilgi kili. Fizi | | | and Acc | | | · · · | | 4 | • • • • • • • • • • • • • • • • • • • | | |
| Туре | | Qty | | Depth | E-! | Size | Qty | Make | Dept | | Туре | Size | е | Qty | Make |
| uide Shoe | 8 5/8 | 1 | HES | 1663 | Packer | | | | | | Plug | 8 5/8 | 8 | 1 | HES |
| oat Shoe | | | | İ | Bridge Plug | | | | | Bott | om Plug | | | | |
| oat Collar | | <u> </u> | | | Retainer | | | | | SSR | plug set | | | | |
| sert Float tage Tool | 8 5/8 | 1 | HES | 1620 | | 1 | 1 | | | Plug | Containe | r | | | |
| | | | 1 | | t . | 1 | 1 | | , | | tralizers | 8 5/1 | | 9 | HES |

Cementing Job Summary

| | | Sec. 27.15 | | | NII8 | Cenane | Ous Ma | Comp | | | <u> </u> | | | |
|------------|-------------|--------------------|--|-------------------------|---------------------------------------|--------------|------------|------------|------------------------|------------|-----------|----------------------|---------|----------|
| Gelling | | | | Conc | Surfacta | | | Conc | | cid Type | | Qty | Con | C % |
| | nent Fld | per space property | Sh. 3. 3 | Conc | Inhibitor | | | Conc | | and Type | | Size | Qty | 11 (182) |
| | | | 330 - 127 - 12 12 - 12 - 12 - 12 13 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - | | The second | Flu | id Data | 330 | est of the state | | | ने का होताह विकास | | 10 |
| | | | F 10. 15. 1 | | | The state of | | | alle marks | | | | | بأفضين |
| Fluid # | Stage | Туре | | Fluid N | lame | | Qty | Qty uom | Mixir Dens Ibm/g | ity ft3/sk | | d Rate bbl/min | Fluid (| |
| 1 | Lead Ce | ment | | ON-2 CEMENT (15079) | PREMIUM I | PLUS - | 300.0 | sacks | 11.4 | 2.96 | 18.14 | | 18. | 14 |
| | 3 % | | CALC | CIUM CHLORIDE | - HI TEST | PELLET | (1000050 |)53) | | | | | | |
| | 0.25 lbm |) | POLY | /-E-FLAKE (101: | 216940) | | | | | | | | | |
| | 0.1 % | | WG- | 17, 50 LB SK (10 | 0003623) | | | | | | | • | | |
| | 18.138 G | al | FRES | SH WATER | | | | | | | | | | |
| 2 | Tail Cem | ent | l . | - PREMIUM PLU 12205) | JS CEMENT | • | 180.0 | sacks | 14.8 | 1.34 | 6.32 | | 6.3 | 2 |
| | 94 ibm | | CMT | - PREMIUM PLU | IS - CLASS | C REG | OR TYPE | III, BUL | K (1000 | 12205) | | | | |
| | 6.324 Ga | ı | | SH WATER | | | | | | | | | | |
| | 2 % | | CALC | CIUM CHLORIDE | - HI TEST I | PELLET | (1000050 | 53) | | | | | | |
| | 0.25 lbm | | POLY | /-E-FLAKE (1012 | 216940) | | | | | | | | | |
| 3 | Displace | | | | | | 103.00 | bbl | 8.33 | .0 | .0 | .0 | | |
| Ca | lculated | Values | | Pressu | res : | | | | | Volume |) | | | - 3 |
| | cement | 103 | | hut in: Instant | | Lost Re | turns | 0 | | t Slurry | 201 | | | |
| | Cement | SURFA | | | · · · · · · · · · · · · · · · · · · · | | t Returns | | | Displacen | | | | |
| | radient | | - | 5 Min | | Spacer | | | | nd Breakd | | Total J | | 304 |
| | | | | | | | | | | | | | | |
| | ating | 6 | | Mixing | 6 | | Displac | ement | | 6 | Avg. J | ob | 6 | |
| | ent Left In | | | unt 41.12 ft Rea | | | | | | T.= T | | | 1 | · |
| Frac R | Ring # 1 @ | | ID | Frac ring # 2 | @ | | Frac Rin | | | ID | Frac Ring | #4@ | ID | <u> </u> |
| Th | e Inform | ation | State | ed Herein Is (| Correct | Custom | er Represe | entative | Signature | | | | | |

KANSAS CORPORATION COMMISSION

MAR 0 2 2009 RECEIVED

> KCC FEB 2 6 2009 CONFIDENTIAL

Summit Version: 7.20.130

130

Saturday, November 08, 2008 17:09:00

Cementing Job Log

The Road to Excellence Starts with Safety

| | Ship To# | | | | Quote #: | | | Sales | Order #: 6303305 |
|--|-------------------|---------|---------|---------------------|-----------|---------|--------------|-------------|--|
| Customer: EOG RESOURCES | INC EBUS | SINESS | 6 | C | Custome | Rep: Pa | issig, Dal | е | |
| Well Name: Cullison | | | Well # | | | | AP | I/UWI #: | |
| | (SAP): M | oscov | v c | ounty/P | arish: St | evens | | State: | Kansas |
| Legal Description: | | | | | | | | | |
| Lat: | | | | L | .ong: | | | | |
| Contractor: .KENAI | | Rig/Pla | atform | Name/N | um: 55 | #580-46 | 1-0844 | | |
| Job Purpose: Cement Surface (| Casing | | | | | | Ticket | Amount: | |
| Well Type: Development Well | | Job Ty | pe: Ce | ment Su | rface Ca | sing | | | |
| Sales Person: BLAKEY, JOSEP | | Srvc S | upervis | or: GR | AVES, JE | REMY | MBU II |) Emp #: | 399155 |
| Activity Description | Date/ | řime | Cht | Rate bbl/ min | . b | | P | sure sig | Comments |
| | 9077 3 | | # ± | | Stage | Total | Tubing | Casing | No. of the second secon |
| Call Out | 11/08/2 07:00 | 2008 | | | | - 4 | | | PRETRIP VEHICLES |
| Pre-Convoy Safety Meeting | 11/08/2 | 000 | | | | -K(| C- | <u> </u> | JOURNEY |
| Fre-Convoy Salety Weeting | 08:00 | .000 | | | | EB 5 6 | 2009 | | MANAGEMENT SPOT |
| Arrive at Location from Service Center | 11/08/2 09:30 | 800 | | | C | ONFIC | ENTI | IL. | JOB SITE BBP |
| Assessment Of Location Safety Meeting | 11/08/2 09:40 | 800 | | | | | | | SAFETY HUDDLE |
| Rig-Up Equipment | 11/08/2 09:45 | 800 | | | | | commec | ON . | RIG UP LINES PRIME UP PUMP TRUCK |
| Running In Hole | 11/08/2 11:00 | 800 | | | KANSAS | | DN COMMISS | UN | RUNNING 8 5/8 24# CASING |
| Casing on Bottom | 11/08/2 14:50 | 800 | | | | MAR 0 | 1 VED | | HOOK UP CEMENT HEAD AND CIRC FOR 30 MIN |
| Safety Meeting - Pre Job | 11/08/2 15:30 | 800 | | | | | | | GIVEN BY JEREMY GRAVES |
| Start Job | 11/08/2 15:32 | 800 | | | | | | | |
| Test Lines | 11/08/2 15:35 | 800 | | | | | | 2500. 0 | TEST LINES TO 2500PSI |
| Pump Lead Cement | 11/08/2 15:45 | 800 | | 6 | 158 | | | 110.0 | PUMP 300SKS @ 11.4 |
| Pump Tail Cement | 11/08/2 16:05 | 800 | | 6 | 43 | 201 | | 67.0 | PUMP 180SKS @ 14.8 |
| Drop Top Plug | 11/08/2 16:13 | 800 | | | | | | 3.0 | HES TOP PLUG |
| Pump Displacement | 11/08/2 16:14 | | | 6 | 83 | | | 83.0 | PUMP 103 BBLS OF FRESH WATER |
| Slow Rate | 11/08/20 16:35 | 800 | | 2 | 20 | 103 | | 255.0 | STOPPED AT 20BBLS TO GO AND WAIT 5 MIN PER CUSTOMER |

Sold To #: 348223

Ship To #:2694485

Quote #:

Sales Order # :

6303305

SUMMIT Version: 7.20.130

Saturday, November 08, 2008 05:09:00

Cementing Job Log

| Activity Description | Date/Time | Cht | Rate bb/ min | Vol b Stage | | Sure lig Casing | Comments |
|---|---------------------|-----|--------------------|-------------------|---|-----------------------|--|
| Bump Plug | 11/08/2008 16:48 | | | | | 430.0 | LANDED AT 420PSI TOOK 500 OVER GOT BACK 1 BBLS |
| End Job | 11/08/2008 16:49 | | | | | | THANKS FOR CALLING HALLIBURTON |
| Safety Meeting - Pre Rig-Down | 11/08/2008 16:55 | | | | | 1 | SAFETY HUDDLE |
| Rig-Down Equipment | 11/08/2008 17:00 | | | | | | RIG DOWN LINE AND BLOW OFF TRUCK |
| Depart Location for Service Center or Other Site | 11/08/2008 17:30 | | | | *************************************** | | |

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Sold To #: 348223

23 Ship To # : 2694485

Quote #:

Sales Order # :

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SUMMIT Version:

7.20.130

Saturday, November 08, 2008 05:09:00