KOLAR Document ID: 1425936

| Confiden | tiality Requeste | d: |
|----------|------------------|----|
| Yes | No | |

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

| | | DECODIDEIO | | |
|------|---------|--------------|-----------|---------|
| WELL | HISTORY | - DESCRIPTIO | N OF WELL | & LEASE |

| OPERATOR: License # | API No.: |
|---|--|
| Name: | Spot Description: |
| Address 1: | |
| Address 2: | Feet from Dorth / South Line of Section |
| City: State: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | |
| CONTRACTOR: License # | GPS Location: Lat:, Long: |
| Name: | (e.g. xx.xxxx) (e.gxxx.xxxx) |
| Wellsite Geologist: | Datum: NAD27 NAD83 WGS84 |
| Purchaser: | County: |
| Designate Type of Completion: | Lease Name: Well #: |
| New Well Re-Entry Workover | Field Name: |
| | Producing Formation: |
| ☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR | Elevation: Ground: Kelly Bushing: |
| | Total Vertical Depth: Plug Back Total Depth: |
| CM (Coal Bed Methane) | Amount of Surface Pipe Set and Cemented at: Feet |
| Cathodic Other (Core, Expl., etc.): | Multiple Stage Cementing Collar Used? |
| If Workover/Re-entry: Old Well Info as follows: | If yes, show depth set: Feet |
| Operator: | If Alternate II completion, cement circulated from: |
| Well Name: | feet depth to:w/sx cmt. |
| Original Comp. Date: Original Total Depth: | |
| Deepening Re-perf. Conv. to EOR Conv. to SWD | Drilling Fluid Management Plan |
| Plug Back Liner Conv. to GSW Conv. to Producer | (Data must be collected from the Reserve Pit) |
| | Chloride content: ppm Fluid volume: bbls |
| Commingled Permit #: | Dewatering method used: |
| Dual Completion Permit #: SWD Permit #: | |
| SWD Permit #: EOR Permit #: | Location of fluid disposal if hauled offsite: |
| GSW Permit #: | Operator Name: |
| | Lease Name: License #: |
| Spud Date or Date Reached TD Completion Date or | Quarter Sec TwpS. R East West |
| Recompletion Date Recompletion Date Recompletion Date | County: Permit #: |

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

| KCC Office Use ONLY |
|---|
| Confidentiality Requested |
| Date: |
| Confidential Release Date: |
| Wireline Log Received Drill Stem Tests Received |
| Geologist Report / Mud Logs Received |
| UIC Distribution |
| ALT I II III Approved by: Date: |

KOLAR Document ID: 1425936

| Operator Nar | ne: | | | Lease Name: | Well #: |
|--------------|-----|------|-----------|-------------|---------|
| Sec | Twp | S. R | East West | County: | |

Page Two

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| Drill Stem Tests Taken (Attach Additional Sh | acate) | Y | ′es 🗌 No | | | og Formatio | n (Top), Depth a | and Datum | Sample |
|---|-------------------------------|--------------|----------------------------------|-----------------------|------|-------------------------------|-----------------------|---|-------------------------------|
| Samples Sent to Geolo | | | ⁄es 🗌 No | 1 | Name | Э | | Тор | Datum |
| Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run: | | □ Y □ Y | Yes ☐ No Yes ☐ No Yes ☐ No | | | | | | |
| | | Rep | CASING ort all strings set-c | |] Ne | w Used rmediate, productio | on. etc. | | |
| Purpose of String | Size Hole Drilled | Siz | ze Casing et (In O.D.) | Weight Lbs. / Ft. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | | | |
| | | | | | | | | | |
| [| | | ADDITIONAL | CEMENTING / | SQU | EEZE RECORD | | | |
| Purpose: | Depth Top Bottom | Туре | e of Cement | # Sacks Use | d | | Type and | Percent Additives | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | | |
| Did you perform a hydra Does the volume of the Was the hydraulic fracture | total base fluid of the | hydraulic fr | acturing treatment | | - | ☐ Yes ns? ☐ Yes ☐ Yes | No (If No, s | kip questions 2 ar kip question 3) ill out Page Three | |
| Date of first Production/Inj Injection: | jection or Resumed Pr | oduction/ | Producing Meth | iod: | | Gas Lift 🗌 O | ther <i>(Explain)</i> | | |
| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Wate | er Bb | ls. | Gas-Oil Ratio | Gravity |
| DISPOSITIO | N OF GAS: | | Ν | IETHOD OF COM | MPLE | TION: | | PRODUCTIC Top | DN INTERVAL: Bottom |
| Vented Sold (If vented, Subn | Used on Lease | | Open Hole | | - | · | nit ACO-4) | юр | Bollom |
| | foration Perform Top Botto | | Bridge Plug Type | Bridge Plug Set At | | Acid, | | ementing Squeezend of Material Used) | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | | Packer At: | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | Griffin, Charles N. |
| Well Name | HIRT FARMS 3-29 |
| Doc ID | 1425936 |

Tops

| Name | Тор | Datum |
|----------------|------|-------|
| Heebner | 3913 | -1915 |
| Brown Lime | 4080 | -2082 |
| Lansing | 4093 | -2095 |
| Stark | 4351 | -2353 |
| Base KC | 4478 | -2480 |
| Pawnee | 4547 | -2549 |
| Cherokee Shale | 4585 | -2587 |
| Viola | 4653 | -2665 |
| Simpson | 4780 | -2782 |
| Simpson Sand | 4812 | -2814 |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | Griffin, Charles N. |
| Well Name | HIRT FARMS 3-29 |
| Doc ID | 1425936 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|-----|----------------------------------|
| Surface | 12.25 | 8.75 | 23 | 256 | Common | | 3%cc, 2% gel |
| Production | 7.875 | 5.5 | 15.5 | 4866 | Class A | 200 | 60/40 Pozmix, salt |
| | | | | | | | |
| | | | | | | | |

250 N. Water St., Suite #200 Wichita, KS 67202

z



mu # 5

HURRICANE SERVICES INC

| Customer | Griffin Ma | nagement | Lease & Well # | Hirt Farms 3-2 | ç — — — | | | Date | | 8/3/2018 |
|--------------------------|--|--------------------|---------------------------------------|-------------------------------|-------------------|--------------------|---|-------------------|---------------------|--------------------|
| Service District | Medecine Lo | dge, Kansas | County & State | Pratt, KS | Legals S/T/R | 29-2 | 9-15 | Job # | | |
| Јор Туре | surface | PROD | | swd | New Well? | TES | No | Ticket # | | ICT12 |
| Equipment # | Driver | | | Job Safety An | alysis - A Discus | sion of Hazarda | & Safety Pr | ocedures | | |
| | bill | Hard hat | | Gloves | | Lockout/Ta | qout | Warning Sig | ns & Flanding | |
| 231 | joe | H2S Monitor | | Eye Protection | | Required P | | Fall Protectio | | 2 |
| 242 | quinten/darrel | Safety Footwe | ar | Respiratory Pro | tection | Slip/Trip/Fa | ll Hazards | Specific Job | Sequence/Ex | pectations |
| | kenny | FRC/Protective | Clothing | Additional Cher | mical/Acid PPE | Overhead H | | Muster Point | | |
| | ryan | Hearing Protec | tion | Fire Extinguishe | ۶r | Additional | oncerns or is | sues noted below | | |
| | garret | | | | Cor | nments | | | | |
| | | All chemicals and | | n Medecine Lodge, Wrf & Cl | | will | | | | |
| Product/ Service Code | | Descr | iption | | Unit of Measure | Quantity | | | | Net Amoun |
| 001 | Heavy Equip. One \ | Nay | | | mi | 30.00 | T | | | \$82.88 |
| 002 | Light Equip. One W | | | | ml | 30.00 | | | | \$38.25 |
| 003 | Ton Mileage - One | way | | | mi | 270.00 | | | 1 | \$298.35 |
| 019 | Cement Pump | | | | ea | 1.00 | | | | \$807,50 |
| p006 | Regular - Class A C | ement | | | sack | 200.00 | | | | \$2,762.50 |
| p016 | Bentonite Gel | | | | lb | 600.00 | <u> </u> | | | \$153.00 |
| 017 | Calcium - Chloride | | | | lb | 400.00 | | | | \$340.00 |
| p020 | FLO-Seal | | | | lb | 80.00 | | | | \$146.20 |
| | | | | 7 | | | | | | |
| | | | | | | | | | | |
| | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | - | | | | | |
| Cuelon | ner Section: On the | following costs he | www.uki wow rate t | Jurienno Sominos | | | | | | |
| Guston | | | | | | T | | | Net: | \$4,628.6 |
| Not | How sat Satisfod 1 2 If asked, how likel | 3 4 5 | | 9 10 Extorne | Hy Salisfied | Services relies on | to be sales tax the customer pr to make a deter | exempt. Hurricane | Sale Tax: Total: | \$ - \$ 4,628.6 |
| Uns | □ □ □ knty 1 2 3 | | 0 0 0 6 7 8 | ОО 9 10 ем | romoly Likely | HSI Represe | ntative; | Bill Spauldi | | |

Underson 1 2 3 4 5 6 7 7 8 9 10 Extended Juliana Line Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total Invoice due on or before the 30th day from the date of invoice. Peat due collection, Customer heraby agrees to pay all fees directly or Indirectly Incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates cally and are good for 30 days from the set and or these services. The mediately due and subject to collection. Prices quoted are estimates cally and are good for 30 days from these services. The full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates cally and are good for 30 days from these services. The fully moving these services. The fully may discount is besed on 30 days not payment terms or cash. <u>DISCLAIMER NOTICE</u>: Technical data is presented in good failth, but no warranty is staled or for point due set of recording to a fully or advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the acceptation colline to receive services by HSI may and the results that may be achieved and should be used for congenison purposes and HSI makes no guarantes of call event and property while HSI to no location performance. Customer represents and warrants that we detain services and HSI makes survices by HSI. Likewise, the customer guarantees or call acceptation condition to receive services by HSI. Likewise, the customer guarantes and property while HSI to no location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricen has been provided accuptate welly formation in datamining l

CUSTOMER AUTHORIZATION SIGNATURE

TREATMENT REPORT



HURRICANE SERVICES INC

| Field Rep: JR (| fin Management | | Date: | 8/3/2018 | Ticket #: | | 1262 |
|--|-----------------|---|---|--|---------------|--------------|----------------------------|
| of a second second second | | | | | | | |
| Address: P.O. | . Box 347 | | | | | | |
| City, State: | Pratt | Kansas | | | | | |
| County, Zip: | Pratt | 67124 | | | | | |
| Field O | rder No.: | | Open Hole: | 12,25 | | | |
| We | Il Name: HI | rt 3-29 | Casing Depth: | 256 | Perf D | epths (ft) | Per |
| ų | ocation: Prat | t county | Casing Size: | 8 3/4 | | | |
| Fo | rmation: | a second s | Tubing Depth: | 0 0/4 | | | |
| Type of | Service: CE | ement | Tubing Size: | | | - | <u> </u> |
| , W | ell Type: oil a | and gas | Liner Depth: | | | | |
| Age | of Well: | new | Liner Size: | | | | |
| | er Type: | | Liner Top: | | | | |
| | r Depth: | | Liner Bottom: | | | | |
| Treatm | ent Via: | | Total Depth: | | | 1 | |
| TIME FI | INJECTION RATE | PRESSURE STP ANNUL | US | REMARKS | PROP (lbs) | HCL (als) | |
| | | | US | REMARKS | PROP (lbs) | HCL (gls) | |
| 12:45 PM | | | arrive location pre job | safety meeting | | | |
| 12:45 PM 1:00 PM | | | arrive location pre job made contact with too | o safety meeting ol pusher | | | |
| 12:45 PM 1:00 PM 2:00 PM | | | arrive location pre job made contact with too drill pipe stuck return | o safety meeting ol pusher ed to shop | | | |
| 12:45 PM 1:00 PM | | | arrive location pre job made contact with too drill pipe stuck return rearrived location pre | o safety meeting ol pusher ed to shop | | | |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM | | | arrive location pre job made contact with too drill pipe stuck return rearrived location pre rig up to casing | o safety meeting ol pusher ed to shop job safety meeting | | | (bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM | | | arrive location pre job made contact with too drill pipe stuck return rearrived location pre rig up to casing break circulation with | o safety meeting of pusher ed to shop job safety meeting h2o | | | (bb)s 6 bb)s |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM | | | arrive location pre job made contact with too drill pipe stuck return rearrived location pre rig up to casing | o safety meeting of pusher ed to shop job safety meeting h2o | | | (bbis 6 bbis 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 1:00 PM 1:00 PM 1:05 PM 1:10 PM 1:10 PM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ | o safety meeting of pusher ed to shop Job safety meeting h2o 2 14.8 ppg | | | (bb)s 6 bb)s |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:00 PM 11:05 PM 11:10 PM 11:40 PM 11:45 PM 2:00 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement | o safety meeting of pusher ed to shop Job safety meeting h2o 2 14.8 ppg | | | (bbis 6 bbis 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:00 PM 11:00 PM 11:10 PM 11:40 PM 11:45 PM 2:00 AM 2:05 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su | o safety meeting of pusher ed to shop Job safety meeting h2o 2 14.8 ppg | | | (bbis 6 bbis 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM 11:05 PM 11:05 PM 1:40 PM 1:45 PM 2:00 AM 2:05 AM 2:16 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su close in valve | o safety meeting of pusher ed to shop Job safety meeting h2o 2 14.8 ppg | | | (bbis 6 bbis 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:00 PM 11:00 PM 11:10 PM 11:40 PM 11:45 PM 2:00 AM 2:05 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mlx 200 sks cement @ begin displacement circulate cement to su close in valve wash up pump truck | o safety meeting of pusher ed to shop job safety meeting h2o 0 14.8 ppg | | | (bbls 6 bbls 50 bbls |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM 11:05 PM 11:05 PM 1:40 PM 1:45 PM 2:00 AM 2:05 AM 2:16 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su close in valve wash up pump truck rig down trucks | o safety meeting of pusher ed to shop job safety meeting h2o 0 14.8 ppg | | | 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM 11:05 PM 11:05 PM 1:40 PM 1:45 PM 2:00 AM 2:05 AM 2:16 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su close in valve wash up pump truck rig down trucks | o safety meeting of pusher ed to shop job safety meeting h2o 0 14.8 ppg | | | (bbls 6 bbls 50 bbls |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM 11:05 PM 11:05 PM 1:40 PM 1:45 PM 2:00 AM 2:05 AM 2:16 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su close in valve wash up pump truck rig down trucks | o safety meeting of pusher ed to shop job safety meeting h2o 0 14.8 ppg | | | (bbis 6 bbis 50 bbis |
| 12:45 PM 1:00 PM 2:00 PM 6:00 PM 11:00 PM 11:05 PM 11:05 PM 11:05 PM 1:40 PM 1:45 PM 2:00 AM 2:05 AM 2:16 AM | | | arrive location pre job made contact with too drill pipe stuck returns rearrived location pre rig up to casing break circulation with mix 200 sks cement @ begin displacement circulate cement to su close in valve wash up pump truck rig down trucks | o safety meeting of pusher ed to shop job safety meeting h2o 0 14.8 ppg | | | (bbis 6 bbis 50 bbis |

| | SUMN | ARY | - in the second |
|--------------|--------------|---------|-----------------|
| Max FI, Rate | Avg FI, Rate | Max PSI | Avg PSI |
| - | #DIV/01 | - | #DIV/01 |

PRODUGTS USED

200 sks of class A cement, 600 lbs calcium 400 lbs gel 80lbs pheno

Customer:

Treater:

250 N. Water St., Suite #200 Wichita, KS 67202

5

1

ς



Inv # 39444

HURRICANE SERVICES INC

| Customer | Griffin Ma | nagement | Lease & Well # | Hirt3-29 | | | | | Date | 8/9 | 0/2018 |
|--------------------------|---|---------------------|--------------------|----------------|---------------------------------|---------------|--|--|---|---------------------|------------|
| | | | County & State | | 10 | gals S/T/R | Seo 29-T29 | S-R15W | Job # | IC | T1271 |
| Service District | Medicine | | | | | lew Well? | TYPES | [No | Ticket # | | ICT12 |
| | | 10 PROD | | | aty Analysis | s - A Discuss | ion of Hazards | Contraction of the local division of the loc | cedures | | |
| Equipment # | Driver | | | Gloves | and the second | | Lockout/Tago | | Warning Signs | & Flagging | |
| | Retherford, R Halcomb, J | Hard hat | | Eye Protec | tion | | Required Pen | | Fall Protection | 33 5 | |
| 176/251 | Chuck | H2S Monitor | | Respirator | | , | Slip/Trip/Fall | | Specific Job Sec | uence/Expec | tations |
| 170/201 | | Safety Footwe | | | Contraction | | Dverhead Ha | | Muster Point/N | | |
| | Dawson, K | Hearing Prote | | Fire Exting | | | Additional co | | | | |
| | | Upreating Prote | | ET lie bailing | | Con | nments | , | | I | |
| | | Sure fooling beca | ause of mud. | | | | | | | | |
| Product/ Service Code | | Desc | ription | | Unit | of Measure | Quantity | | | | Net Amoun |
| 2001 | Heavy Equip, One V | Nay | | | | mi | 60.00 | | | | \$165.75 |
| :002 | Light Equip. One W | lay | | | | ml | 30,00 | | | | \$38.25 |
| P006 | Regular - Class A C | Cement | | | | sack | 200.00 | | | | \$2,762.50 |
| :P010 | 60/40 Pozmix Cem | ent | | | | sack | . 25.00 | | | | \$273.08 |
| P023 | Salt | | | | | sack | 23.00 | | | | \$138.86 |
| P040 | Fluid Loss Addilive - Comenting | | | | | lb | 113,00 | | | | \$792.41 |
| P018 | KOL-Seal | | | | | 1b | 1,000.00 | | | | \$652.50 |
| P019 | GYP-Seal | | | | | lb | 900,00 | | | | \$344.25 |
| P029 | Defoamer | | | | | lb | 47.00 | | | | \$239.70 |
| P036 | Matsolite | | | | | lb | 200.00 | | | | \$302.60 |
| :003 | Ton Mileage - One | way | | | | ៣វ | 365.40 | | | | \$403.77 |
| :019 | Cemerit Pump | | | | | ea | 1.00 | | | | \$807.50 |
| :012 | Cement Plug Conta | iner | | | | job | 1.00 | | | | \$233.75 |
| PD95 | 5 1/2 LD Plug & Ba | file | | | | oa | 1.00 | | | | \$282,63 |
| P093 | 5 1/2" Centralizers | | | | | ea | 6,00 | | | ~~~~~ | \$408.00 |
| PDA3 | 5 1/2" Guide Shoe | | | | | Ba | 1.00 | | | | \$340.00 |
| | 5 1/2" Float Collar | | | · · · · · | | 63 | 1.00 | | | | \$297.60 |
| F101 | Liquid KCL Subslite | ule | | | | gal | 10.00 | | | | \$244.38 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | - | | |
| | | | | | | | | | | | |
| Cust | omer Section: On l | he following scale | how would you tale | Hurricane Ser | vices Inc.? | | | | | Net: | \$8,625. |
| | | | | | | | Total Taxable | \$ - | Tax Rate: | | \geq |
| | ased on this job, ho DDD Urasy 12 | ow likely is it you | would recommend | | | Jai | State tex laws der used on new well Services relies on | em certain prod s to be sales ta the customer p to make a det | ucts and services x exempt. Hurricane oravided well ermination if services | Sale Tax: Total: | \$ |
| | | | | | | | HSI Represe | entative: | Robert Reth | orford | |

TERMS: Cash in advance unless Hurricane Services Into. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of Invoice. Past due accounts shall pay linterest on the balance past due at the rail of 1 X% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an eagency and/or altomay to affect the collection. Lottome haraby agrees to pay all fees directly incurred for such cellection. In the event the HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price or indirectly incurred for such cellection. In the event that Customer's excount with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net involce price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of price angliance and price angliance and revoke any discounts previously due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of a days from the date price adjusted price adjustments. Actual charges may vary depending upon line, equipment, and matriarital intradety required to perform these services. Any discount is based on 30 days not payment lems or cash. <u>DISCLAIMER NOTICE</u>: Technolai data is presented in a bord fith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations guarantees of (thure production proformance, Customer represents and warrants that wells a basimate of the accutal tesults that may be achieved and should be used for comparison purposes and HSI makes no guarantees of full fully enduction areas to a twell and all associated equipment in accutal tesults that may be achieved and acceptance of all terms/conditions stated above, and HUI makes no provided accurates well inform

CUSTOMER AUTHORIZATION SIGNATURE

1

۰, ۰

c



HURRICANE SERVICES INC

| | stomer: Griffin Management | | | | Date: | 8/9/2018 | | Ticket #: | ICT1 | 271 |
|---|----------------------------------|-------------------|---|------------------------------|---|---|----|---------------|--------------|---------------------------|
| Field Rep: JR Griffin | | | | | | | | | | |
| Address: | P.O. Box 347 | , | | | | | | | | |
| City, State: Pratt Kansas | | | sas | | | | | | | |
| County, Zip: | | | and the second se | | | | | | | |
| FI | eld Order No.: | - <u></u> | | and the second second second | Open Hole: | 7 7/8 | ٦ | Perf D | epths (ft) | Perfs |
| | Well Name: | Hirt | 3-29 | | Casing Depth: | 4880,13 | - | | | |
| | Location: Pratt County, Sun City | | | Casing Size: | 5 1/2 20# & 15.5# | - | | | | |
| | Formation: | | | Section and | Tubing Depth: | | -1 | | | |
| Ty | pe of Service: | Cen | nent | | Tubing Size: | | - | | | |
| | Well Type: | | Gas | | Liner Depth: | | - | | | |
| | Age of Well: | Ne | w | | Liner Size: | and a straight of the | 1 | | | |
| | Packer Type: | | | | Liner Top: | | 1 | | | |
| | Packer Depth: | | | | Liner Bottom: | | - | | | |
| T Tu P | reatment Via: | | | | Total Depth: | 4880 | | | | |
| | | | | | | | _ | | Total Perfs | 0 |
| | | | | | | | | | | |
| TIME | INJEGTIO FLUID | ON RATE N2/CO2 | PRESS | SURE ANNULUS | artera, ili | REMARKS | | PROP (lbs) | HCL (gls) | FLUID (hbis) |
| TIME 5:00 AM | | | | ANNULUS | Arrive on location | | | | | |
| and the second data | | | | ANNULUS | Arrive on location Put float equipment | | | | | |
| 5:00 AM | | | | ANNULUS | | | | | | |
| 5:00 AM 9:30 AM | | | | ANNULUS | Put float equipme | nt on casing | | | | |
| 5:00 AM 9:30 AM 11:00 AM | | | | ANNULUS | Put float equipme Rig Up | nt on casing | | | | (bbls) |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM | FLUID | | | ANNULUS | Put float equipmen Rig Up Rig break circulat | nt on casing ion Irculation | | | | (hbls) |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM | FLUID 2.0 | | | | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement | nt on casing ion irculation avenger | | | | (bbls) 5. 6. |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lin | nt on casing ion :Irculation ivenger ies | | | | (bbls) 5. 6. 52. |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:55 PM 1:15 PM 1:20 PM | FLUID 2.0 2.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and Iir Displace 2% Kci w | nt on casing ion circulation ivenger nes vater | | | | (bbls) 5 6 52 |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | | (bbls) 5. 6. 52. |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:55 PM 1:15 PM 1:20 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and Iir Displace 2% Kci w | nt on casing ion circulation ivenger nes vater | | | | (bbls) 5 6 52 |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:49 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | | |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:49 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | (gls) | (bbls) 5. 6. 52. |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | (gls) | (bbls) 5 6 52 |
| 5:00 AM 5:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | (gls) | (hbis) 6 6 62 |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:65 PM 1:15 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | (gls) | (bbls) 5 6 52 |
| 5:00 AM 9:30 AM 11:00 AM 11:30 AM 12:40 PM 12:48 PM 12:65 PM 1:16 PM 1:20 PM 1:40 PM | FLUID 2.0 2.0 5.0 | | | ANNULUS | Put float equipmen Rig Up Rig break circulat Pump and break c Mix and pump sca Cement flush pump and lir Displace 2% Kcl w Check float, it held | nt on casing ion circulation ivenger nes vater | | | (gls) | (bbls) 5 6 52 |

| anna de la la | SUMM | ARY | | |
|---------------|--------------|---------|-----|------|
| Max Fi. Rale | Avg F1. Rate | Max PSI | Avg | PSI |
| 6.0 | 4.0 | - | #DI | V/01 |

PRODUCTS USED 25 sks 60/40 POZ as Scavenger mixed at 13 ppg with 8.3 gal/sk, 200 sks A with 10%Salt, 5% Gypsum, 5# Kol seal, 1/4% Defoamer, 6/10% Fluidloss, 1% Sodium Metasilicate, mixed at 15 ppg with 6.89 gal/sk yielding 1.46 cufl/sk

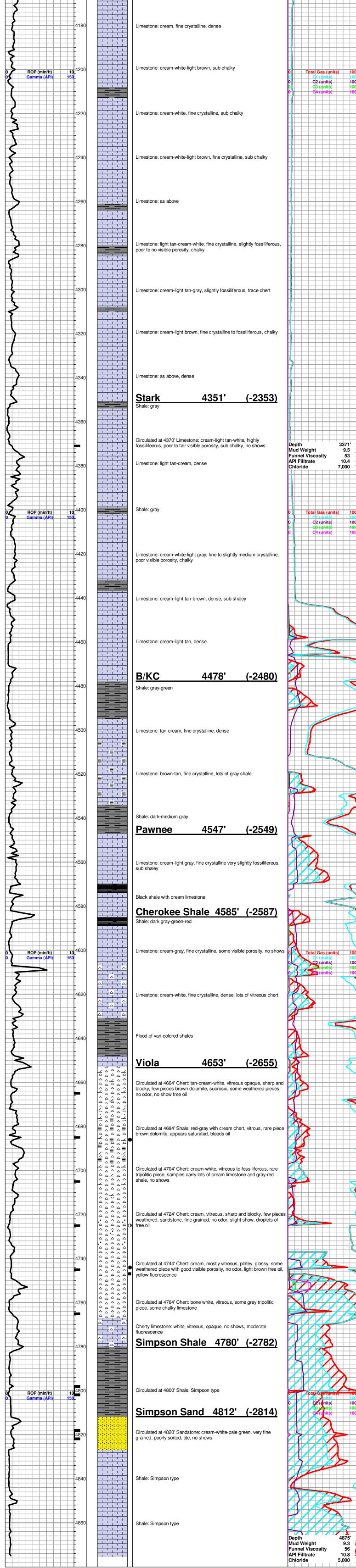
Customer:

Treater:

1

| | | | | RATOR | | |
|---|--|---|---|------------------------------|-------------------------|-------------------------------|
| | Company: Address: | Charles N G PO Box 347 Pratt, KS 67 | , | 47 | | |
| Contact | t Geologist: Phone Nbr: Well Name: Location: Pool: | #3-29 Hirt F Section 29-2 | | V | API: Field: | 15-151-22478 |
| | State: | Kansas | | | Country: | USA |
| | Well Name: | #3-29 Hirt F | arms | 240 Imperial | | |
| | m Location: m Location: API: | Section 29-2 | | V | | |
| | se Number: Spud Date: | 8/3/2018 | 0 | | Time: | 8:45 PM |
| Drilling | Region: Completed: | Pratt County 8/8/2018 | | | Time: | 7:30 AM |
| Bottom Hole C | | 3050' FSL & | & 660' F | EL | | |
| K.B | d Elevation: . Elevation: .ed Interval: | 1993.00ft 1998.00ft 3800.00ft | | | To: | 4875.00ft |
| - | Total Depth: Formation: | 4875.00ft | | | | |
| Drilling | Fluid Type: | Chemical (N | | | | |
| | Well Type: | SURI Vertical | FACE C | O-ORDINATE | | |
| | Longitude: N/S Co-ord: Z/W Co-ord: | 3050' FSL 660' FEL | | | Latitude: | |
| | ./ W 00-010. | 000 TEL | LOG | GED BY | | |
| | | | | | | |
| | Company: | | Y S | ATE ERVICE, | | |
| | Address: | 1632 S. We Wichita, KS | st St. Si | uite 12 | | |
| | Phone Nbr: Logged By: | 316-617-395 Geologist | 59 | | Name: | Bruce Reed |
| | Contractor: | WW Drilling | | RACTOR | | |
| | Rig #: Rig Type: Spud Date: TD Date: lig Release: | 4 mud rotary 8/3/2018 8/8/2018 8/9/2018 | | | Time: Time: Time: | 8:45 PM 7:30 AM 6:00 PM |
| | . Elevation: to Ground: | 1998.00ft 5.00ft | ELEV | ATIONS Ground | Elevation: | 1993.00ft |
| | | 5.001 | NC | DTES | | |
| Surface Casing: Production Casing: | | -5/8" at 259' -1/2" at 4866 | ;' | | | |
| Daily Penetration: | 0 0 0 | 8/03/18 8/04/18 8/05/18 8/06/18 8/07/18 | Spud 259' 1886' 3255' 4305' | @ 8:45 PM | | |
| | | 8/08/18 8/09/18 | 4850' 4875' | Drilling com Rig Released | | |
| | | | FORM | MATION TO | PS | |
| Formation | Sample 7 | Гор Datum | | Log Top | Datum | Comparison* |
| Heebner | 3913' | -1915 | | <u>3914'</u> | -1916 | -15 |
| Brown Lime Lansing | 4080' 4093' | -2082 -2095 | | 4078' 4091' | -2080 -2093 | -13 -18 -16 |
| Stark | 4351' | -2353 | | 4350' | -2352 | -17 |
| Base KC Pawnee | 4478' 4547' | -2480 -2549 | | 4478' 4548' | -2480 -2550 | -18 -19 |
| Cherokee Shale Viola | 4585' 4653' | -2587 -2665 | | 4584' 4652' | -2586 -2654 | -21 -24 |
| Simpson Simpson Sand | 4780' 4812' | -2782 -2814 | | 4780' 4810' | -2782 -2812 | -34 -35 |
| Surfoon Stand | | _011 | | | _01_ | |
| *Vincent Oil Corp, | #2-29 Hirt] | Farms, 100' S | NE SI | E Section 29-2 | 29S-15W, P | ratt County, Kansas |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | (TYPES | | |
| △ △ △ △ Cht □ □ □ □ Lmst fw7> | | e, gry oon Sh | • <u>••••</u> • | Ss | | |
| | | | ACCE | SSORIES | | |
| MINERAL ∠ Dolomitic • Sandy | | | | | | |
| △ Chert White ■ Argillaceous/Shale | | | | | | |
| | | | | | | |

| | | | OTHER SYMBOLS | |
|--------------------------------------|---|-----------------------|--|---|
| INTERVALS Core | Oil Show ● Good S | Show | DST DST Int | |
| · DST | Fair Sh Poor Sh Spotted | how | DST alt Core I tail pipe | |
| | O Question D Dead C | onable Stn Dil Stn | | |
| | ■ Fluores ★ Gas | scence | | |
| Curve Track #1 | | 1 1 | Printed by GEOstrip VC Striple | og version 4.0.7.0 (www.grsi.ca) TG, C1 - C5 |
| ROP (min/ft) | s s | | | Total Gas (units) |
| Gamma (API) | Depth Intervals | | | C1 (units) |
| | epth I | Lithology Oil Show | | C3 (units) |
| | | | Geological Descriptions | C4 (units) |
| | Cored Interval DST Interval | | | |
| 1:240 Imperial 0 ROP (min/ft) 1 | 0 0000 | | | 1:240 Imperial 0 Total Gas (units) 100 0 C1 (units) 100 |
| 0 Gamma (API) 15 | | | Geologist on site @ 3806' | 0 C2 (units) 100 0 C3 (units) 100 |
| | ŧ I | | | 0 C4 (unit\$) 100 |
| | 3820 | | Limestone: cream-light tan-gray, fine crystalline, slightly fossiliferous, poor visible porosity, dense | |
| | ŧ I | | poor visible porosity, dense | |
| | ŧ I | | | |
| | | | L'an de la complete l'altre la complete de la comp | |
| | 3840 | | Limestone: cream-white-light tan-brown, fine crystalline, trace fossiliferous, sub chalky | |
| | Ī | | | |
| | Ē | | | |
| | 3860 | | Limestone: more cream-white, fine crystalline, rare pinpoint porosity, sub chalky | |
| | | | | |
| | | | | |
| | 3880 | | Shale: gray-green-brown | |
| | | | | |
| | | | | |
| X | - 3900 | | Limestone: cream-tan, fine crystalline | |
| 2 | | | | |
| > | Ŧ | | <u>Heebner 3913' (-1915)</u> | |
| | 3920 | | Shale: black, carbonaceous, soft | |
| > | 3920 | | Shale. Diack, carbonaceous, son | |
| | | | | |
| | | | | |
| 5 | 3940 | | Limestone: cream-light gray, fine crystalline, dense, sub shaley | |
| ٤ | | | | |
| | | | | |
| | 3960 | | Limestone: cream-white, fine crystalline, very slightly fossiliferous, sub | |
| \$ | | | chalky | |
| | Ŧ | | | |
| | - 3980 | | Shale/Sandstone: gray-brown, some pyrite | |
| | | | | |
| | | | | |
| | 0 4000 | | Shale: light gray, some fine sandstone, dirty | |
| 0 ROP (min/ft) 1 0 Gamma (API) 15 | 0 | | | 0 Total Gas (units) 100 0 C1 (units) 100 0 C2 (units) 100 |
| | | | | 0 C2 (units) 100 0 C3 (units) 100 0 C4 (units) 100 |
| | | | Obstances | |
| | 4020 | | Shale: gray | |
| | Ŧ | | | |
| | | | | |
| | 4040 | | Shale: gray with some sandstone, tite, no shows | |
| | | | | |
| | ‡ | <u></u> | | |
| | 4060 | | Shale: gray | |
| | ‡ | | | |
| | | | | |
| | 4080 | | Brown Lime 4080' (-2082) | |
| | | | | |
| | | | Lansing 4093' (-2095) | |
| 2 | 4100 | | Limestone: cream-light tan-gray, fine crystalline, poor to no visible | |
| <u> </u> | | | porosity | |
| | ‡ | | | |
| | <u>+</u> | | | |
| | 4120 | | Limestone: gray, increase in fossiliferous pieces, dense | |
| | ‡ | | | |
| | | | Circulated at 4140' Limestance aream light area from and " | |
| | 4140 | | Circulated at 4140' Limestone: cream-light gray, fine crystalline to fossiliferous, rare visible porosity, slight odor in fresh, 40% fluorescence, show gas bubble | |
| | Ŧ | | | |
| | | | | |
| | 4160 | | Limestone: cream-light tan-gray, fine crystalline, good porosity, no shows | |
| | | | | |



| <u>B/KC</u> | 4478' | (-2480) |
|-------------------|-------|---------|
| Shale: gray-green | | |