KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form AC: September 19

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typ

| CONFIDENTIAL | ORIGINAL ORIGINAL |
|---|---|
| Operator: License # 4476 UUINI IULINI ITLL | API No. 15 - 111 20110 00 00 |
| Name: Whiting Petroleum Corporation | County: Lyon |
| Address: 1700 Broadway, #2300, Two United Bank Center | NW. NE Sec. 31 Twp. 21 S. R. 13 @ East V |
| City/State/Zip: Denver, CO, 80202 | 697 feet from S (N) (circle one) Line of Section |
| Purchaser: N/A | 1947 feet from (E)/ W (cricie one) Line of Section |
| Operator Contact Person: John Kellar KCC | Footages Calculated from Nearest Outside Section Corner: |
| Phone: (_303) 837-1661 7 2003 | (circle one) NE SE NW SW |
| Contractor: Name: | Lease Name: Luthi Well #: 31-31 |
| License: 32006 CONFIDENTIAL | Field Name: Center |
| Wellsite Geologist: Barry Gager | Producing Formation: Cherokee |
| Designate Type of Completion: | Elevation: Ground: 1,221' Kelly Bushing: N/A |
| New Well Re-Entry Workover | Total Depth: 2,134' Plug Back Total Depth: 2,076' |
| Oil SWD SIOW Temp Abd | Amount of Surface Pipe Set and Cemented at 205' |
| | \$IOMultiple Stage Cementing Collar Used? Yes |
| Dry Other (Core, WSW, Expl., Cathodic etc.) 3 0 2003 | if yes, show depth set N/A |
| If Workover/Re-entry: Old Well Info as follows: | If Alternate II completion, cement circulated from N/A |
| Operator: N/A CONSERVATION DIVISION | feet depth to N/A w/ N/A six |
| Well Name: N/A WiCHITA, KS | 31 (|
| Original Comp. Date: N/A Original Total Depth: N/A | Orilling Fluid Management Plan ALT I WHW (Case most be collected from the Reserve Ph) |
| Deepening Re-perf. Conv. to Entr./SWD | * Onioride contant <1,500 ppm Fluid volume 380 |
| Plug Back | Dewatering method used Evaporation, hauloff |
| Commingled Docket No. JUL 2 2 2003 | |
| Dual Completion Docket No | Location of fluid disposal if hauled offsite: |
| Other (SWD or Enhr.?) Docket No. CONSERVATION DIVISION | Operator Name: Curry Oil |
| 4/06/03 4/10/03 5/05/03 | Lease Name: Curry #5, SWD License No.: 30776 |
| Spud Date or Date Reached TD Completion Date or | Quarter SE/4 Sec. 15 Ywp. 22 S. R. 11 📝 Fast 🗍 W |
| Recompletion Date Recompletion Date | County: Greenwood Docket No.: #D-26,554 |
| | |
| INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. | r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply 2 months if requested in writing and submitted with the form (see rule 82-3 and geologist well report shall be attached with this form. ALL CEMENTING |
| All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and correct to the best of my knowledge. | te the oil and gas industry have been fully complied with and the stateme |
| Signature: | KCC Office Use ONLY |
| Title: Agent, Whitney O Date: 7/18/03 | Letter of Confidentiality Attached |
| Subscribed and sworn to before me this /8th day of | If Denied, Yes Date: |
| 2003 | Wireline Log Received |
| Delera Synn 9 | Geologist Report Received |
| I.d 08 200 | S |
| - Jewiczej Co, oco | - |

CONFIDENTIAL

Side Twa

ORIGINAL

| Operator Name: Whi | ting Petroleum C | orporation | Lease | Name: | _uthi | | . Well #: | 1 | |
|--|---|--|------------------------------|--|------------------|---------------------|---|--|---|
| Sec. 31 Twp. 2 | | | County: | | ************* | | ****** | ~~~~ | |
| tested, time tool oper temperature, fluid rec | n and closed, flowing covery, and flow rates | nd base of formations per and shut-in pressures, versif gas to surface test, alternal geological well site re | whether shi long with fir | ut-in pre | ssure reached s | tatic level, hydros | static pressure | es, bottor | n hole |
| Drill Stem Tests Take | | ☐ Yes 🗹 No | | ۷L | og Formatio | on (Top), Depth ar | nd Datum | | Sample |
| Samples Sent to Geo | ological Survey | Yes No | | Nam | e | | Тор | E | Datum |
| Cores Taken | | ✓ Yes No | | Doug | glas Lime | | 559' | + | -662 |
| Electric Log Run | | Yes No | | Kans | sas Clty | | 1,186' | + | -35 |
| (Submit Copy) | | | | | | 1,436' | , | 215 | |
| List All E. Logs Run: | | | | | | KCC | • | | |
| Dual Induction Resistivity Log | | | | | | L 17 2003 | 1,601' | | 380 |
| | | Density Micro L | .og | Miss | sissippi COI | NFIDENTIAL | 1,981' | _ | 760 |
| | ······································ | CASING Report all strings set-c | RECORD | | ew Used | ion, etc. | ************************ | | *************** |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weig | | Setting Depth | Type of Cement | # Sacjs Used | | and Percent dditives |
| Surface | 12 1/4" | 8 5/8" | 24# | | 205' | Α | 110 Sacks | l2, 6% Gel | |
| Production | 7 7/8" | 5 1/2" | 15.5# | ********** | 2,498' | owc | 125 Sacks | Thixol | ropic |
| | | | | | | | <u> </u> | | |
| Purnoso: | Denth | | <u> </u> | ********* | JEEZE RECORD | | | | |
| Purpose: Perforate Protect Casing | Depth Top Bottom | Type of Cement | #Sacks | Used | | Type and Po | ercent Additives | T TORRONOLOGICA TO | vr ve - 1000000 00000000 000 |
| Plug Back TD | N/A | | | | <u></u> | , | *************************************** | *********** | *************************************** |
| Plug Off Zone | 6 d | | | | } { } | | | | |
| | | | | •••••• | · | | | | |
| Shots Per Foot | | ON RECORD - Bridge Plug Footage of Each Interval Per | | Acid, Fracture, Shot, Cement Squeeze Record (semount and kind or klaterial Used) Depth | | | | | Depth |
| 4Jspf | 1941-1944' | | | | N/A | | RECEIVED | | |
| 4Jspf | 1923-1925' | | | | N/A | KANSAS CO | RPORATION CO | MMISSION | |
| 4Jspf | 1865-1867' and | 1753-1755' | | | N/A | JU | L 2 2 200 | 3 | |
| 4Jspf | 1737-1739' and | 1707-1709' | ***** | | N/A | | RVATION DIVISION | ON | |
| 4Jspf | 1696-1698' and | 1521-1523' | | | N/A | a | amain'i NO | | |
| TUBING RECORD | Size A | Set At | Packer A | t | Liner Run |]Yes ☑ No | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | d Production, SWD or E | nhr. Producing Met | | terreren en e | <u>i</u> | | | | *************************************** |
| N/A | | | | Flowing | g 🔲 Pumpir | ng 🏻 Gas Lift | Othe | er (Explain |) |
| Estimated Production Per 24 Hours | 0il <1 | Bbls. Gas | Mcf | Wate 100 | er B | | as-Oil Ratio /A | 1 | Gravity V/A |
| Disposition of Gas | METHOD OF C | COMPLETION | | | Production Inter | val | | | |
| Vented Sold | ✓ Used on Lease | Open Hole | Perf. | | Dually Comp. | Commingled | | | ************* |



211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

KCC

JUL 17 2003

ORIGINAL

CONFIDENTIAL

TICKET NUMBER 20181

LOCATION Chanute

FIELD TICKET

| DATE CUSTOMER ACCT # WELL NAME QTR/QTR 4-6-03 Q107 4441 31-31 | SECTION 3/ | TWP 2 / | RGE 13 | COUNTY | FORMATION |
|---|------------|-------------------|-----------|--------|-----------|
| CHARGE TO Whiting Petroleum Corporation | OWNER | | | | |
| MAILING ADDRESS /700 Broadway suit 2000, Two unito Bank CTR | OPERATOR | | | | |
| CITY & STATE DOUNG CO 80202-2300 | CONTRACT | OR | | | |

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION OF SERVICES OR PRODUCT | UNIT PRICE | TOTAL AMOUNT |
|-----------------|-------------------|---|-----------------|-----------------|
| 54d | one | PUMP CHARGE CEMENT PUMPER | | 52500 |
| | | | | |
| 5404 | 345 | 284, tment stand 818 Centrolizer 818 Cement Guide Moe | | 660 |
| 4111 | 3 | 81/8 Centrolizer | | 117 35 |
| 4138 | one | 8 1/8 Coment Guide Shap | | 756 |
| BOOK | DS 185 | EVO - stad | | 39 2 |
| 1107 | 25/165 | FlO-seal | | 37 25 |
| 1/02 | 150 165 | CALCUM CHLORIDE | | 102 00 |
| 1118 | 20015 | PREMIUM GOL | | 23 69 |
| | | RECE | EIVED | |
| | | KANSAS CORPORA | TION COMMISSION | |
| | | JUL 2 | 2 2003 | |
| | | CONSERVATIO | N DIVISION | |
| | | WICHITA | V, KS | |
| | | BLENDING & HANDLING | | |
| 5407 | 65 | TON-MILES | | 24700 |
| | | STAND BY TIME | | 271 |
| | | MILEAGE | | |
| | | WATER TRANSPORTS | | |
| | | VACUUM TRUCKS | | |
| | | FRAC SAND | | |
| 1/41 | F50 1/50 | | | |
| 1/04 | 1105/15 | CEMENT Class A | | 900 |
| | | | 7,7/,SALES TAX | 1112 |
| 790 | | | | |
| ., | | | ESTIMATED TOTAL | 307783 |

CUSTOMER or AGENT (PLEASE PRINT)

ESTIMATED TOTAL

3077

CUSTOMER or AGENT (PLEASE PRINT)

DATE

CONSOLIDATED OIL WELL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

CUSTOMER#

WELL NAME FORMATION

DATE

4-6-03

KCC JUL 17 2003

TRUCK #

372 Pu.

DRIVER

0770

ORIGINAL TICKET NUMBER 28980 LOCATION <u>Chanute</u> FOREMAN OTTO POWERS

TRUCK #

DRIVER

CONFIDENTIAL TREATMENT REPORT

| SECTION TOWNSHIP RANGE COUNTY 3/ 21 /3 LIGh CUSTOMER Whiting letroleum corporation MAILING ADDRESS /**MUNICIPAL PROJECUM CORPORATION MAILING ADDRESS /**MUNICIPAL PROJECUM CORPORATION STATE ZIP CODE STATE ZIP CODE **CONSERVATION DIVISION WICHITA, KS **TYPE OF TREATMENT **SURFACE PIPE [] ACID BREAKDO [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PRODUCTION CASING [] FRAC [] PLUG & ABANDON [] FRAC [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROG [] MISP. PUMP [] [] OTHER [] [] OTHER [] | MISSION N WN ION |
|--|---------------------|
| CUSTOMER Whiting Petroleum corporation MAILING ADDRESS TWO Brandwal Cut 2700 Two world bank ctr CITY Denvet STATE TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE 13/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8 /// OPEN.HOLE CASING DEPTH 205 CASING DEPTH 205 CASING DEPTH 205 RECEIVED RANSAS CORPORATION RECEIVED KANSAS CORPORATION COM WICHTA, KS TYPE OF TREATMENT J ACID BREAKDO J PRODUCTION CASING J ACID STIMULAT J PLUG & ABANDON J FRAC J PLUG BACK J FRAC + NITROG J MISP. PUMP J J OTHER J OTHER J OTH | MISSION N WN ION |
| MAILING ADDRESS TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8 % OPEN HOLE CASING DEPTH 205 CASING DEPTH 205 CASING DEPTH 205 CASING DEPTH | MISSION N WN ION |
| STATE ZIP CODE CO SOZOZ -2.300 TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT WELL DATA HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8 // OPEN HOLE CASING DEPTH 205 | WN ION |
| STATE ZIP CODE CO SOZOZ -2.300 TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT WELL DATA HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8 // OPEN HOLE CASING DEPTH 205 | WN |
| STATE ZIP CODE CO SOZOZ -2.300 TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT WELL DATA HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8 // OPEN HOLE CASING DEPTH 205 | WN ION |
| STATE ZIP CODE CO SOZOZ -2.300 TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT WELL DATA HOLE SIZE 1214 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 815 OPEN HOLE CASING DEPTH 205 | WN ION |
| STATE ZIP CODE TYPE OF TREATMENT TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE 1214 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 878 OPEN HOLE CASING DEPTH 205 TYPE OF TREATMENT TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROG [] MISP. PUMP [] [] OTHER [] | ION |
| TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE 1214 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 877 OPEN.HOLE TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDOO [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROGOO [] MISP. PUMP [] [] OTHER [] | ION |
| TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 8/8 OPEN.HOLE TYPE OF TREATMENT SURFACE PIPE [] ACID BREAKDO [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROG [] MISP. PUMP [] [] OTHER [] | ION |
| TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE 1214 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 877 OPEN.HOLE SURFACE PIPE [] ACID BREAKDO' [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROG [] MISP. PUMP [] [] OTHER [] | ION |
| TIME ARRIVED ON LOCATION WELL DATA HOLE SIZE /3/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 818 OPEN.HOLE CASING DEPTH 205 [] PRODUCTION CASING [] ACID STIMULAT [] SQUEEZE CEMENT [] ACID SPOTTING [] PLUG & ABANDON [] FRAC [] PLUG BACK [] FRAC + NITROG [] MISP. PUMP [] [] OTHER [] | ION |
| WELL DATA HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 818 OPEN.HOLE CASING DEPTH 205 | 1.17 |
| HOLE SIZE 12/4 PACKER DEPTH TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 878 OPEN.HOLE CASING DEPTH 205 | i [*] |
| TOTAL DEPTH 206 PERFORATIONS SHOTS/FT CASING SIZE 819 OPEN.HOLE CASING DEPTH 205 | |
| SHOTS/FT CASING SIZE 8 OPEN.HOLE CASING DEPTH 205 | , |
| CASING SIZE 8 1/8 OPEN HOLE [] OTHER [] CASING DEPTH 205 | EN |
| CASING DEPTH 205' | : |
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| HANDER MERCHT 1 Transaction of the state of | 30757507 |
| CASING WEIGHT TUBING SIZE PRESSURE LIMITATIONS | |
| | TRUCTE |
| TUBING WEIGHT SURFACE PIPE | p |
| TUBING CONDITION ANNULUS LONG STRING | |
| TREATMENT VIA TUBING | |
| Vield 1.35 weight 14.8 INSTRUCTION PRIOR TO JOB Cofflish circulation accord to 141 and the bye matter | |
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| The form the city. Will - Sol Chit | 21467 |
| AUTHORIZATION TO PROCEED TITLE DATE | |
| DATE & Which | |
| | · |
| TIME STAGE BBL'S INJ RATE PROPPANT SAND / STAGE PSI AM / PM PUMPED PPG | |
| AMI/PM PUMPED PPG | |
| BREAKDOWN PRES | SURE |
| | - |
| DISPLACEMENT | |
| | |
| DISPLACEMENT | |
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| DISPLACEMENT MIX PRESSURE MIN PRESSURE ISIP 15 MIN. MAX RATE | |
| DISPLACEMENT MIX PRESSURE MIN PRESSURE ISIP 15 MIN. MAX RATE | |

CONFIDENTIAL CONSOLIDATED SERVYEES

ORIGINAL

183473

KCC JUL 1 7 2003

TICKET NUMBER 20169

LOCATION <u>chanute</u>

211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

FIELD TICKENTIAL

| DATE CUSTO | OMER ACCT # WEL | L NAME 31-31 | QTR/QTR | SECTION 3/ | TWP .2/ | PGE ノ3 | COUNTY | FORMATION |
|-----------------|--------------------|-----------------|----------------|-------------|---------|---|---------------------|-----------------|
| CHARGE TO Whi | ting Petroleum | COTA | ration | OWNER | | | | |
| MAILING ADDRESS | DO Broadwal soit 2 | 20), Two iy | it of Bent C | PERATOR | 3 | | | |
| | NET CO 8020 | , | | CONTRAC | | | | |
| ACCOUNT CODE | QUANTITY or UNITS | | DESCRIPTION O | F SERVICES | OR PROD | UCT | UNIT PRICE | TOTAL AMOUNT |
| 5401 | / | PLIMP C | HARGE CP/ | nost 1 | 20 | ^ | THOL | - a- oo |
| 5402 | 2130' | | | | MMJE) | | | 525 |
| | 0,70 | (0) | 1119 100 | tage | | | | Me |
| | **** | + | | | | | | 27150 |
| 4405 | one | 5% | Rubber | Plyo | | | | 3750 |
| 4109 | 10 | 51/2 | Centre | |) | *************************************** | | 37000 |
| 4136 | one | 51/2 | Elocat. | 1001 | | | | 2/00 |
| 4143 | One | 5/2 | Float Guide | Class | | | | 10000 |
| | | | - CUIUY | PAOR | | | | 102 |
| | , | | | | | | | |
| | | | | | | | RECEIVED | |
| | | | | | | KANSAS | CORPORATION COMMISS | SION |
| | | | | | | 4 | JUL 2 2 2003 | |
| | | | | | | CON | SERVATION DIVISION | |
| | | | | | | | WICHITA, KS | |
| | | | | | | - Commence of the Commence of | | |
| | | BLENDING | 3 & HANDLING | | | | | |
| 5407 | 65 | TON-MILE | S | | | | | 24700 |
| | | STAND BY | TIME | | | | | 27 |
| | | MILEAGE | | | | | | |
| | | WATER TE | RANSPORTS | | | | | |
| | | VACUUM | TRUCKS | | | | | |
| | | FRAC SAN | ND . | | | | | |
| 1126 | 125 145 | CEMENT | OWC | | | | | 1375 |
| • | | | | | | | 7.3% SALES TAX | 14596 |
| | | | | *** | | | 7.77 | 115 |
| 2790 | | <u> </u> | | | | | | |
| | | | | | | | ESTIMATED TOTAL | 2917 46 |
| | | | 1 no | 1 | | | _ | |
| TOMER or AGENTS | SIGNATURE | XX | The k | // | 1 | 112 9 | Powers | |
| | | · · · · · | | IS FUMEIMAN | | a si | 100000 | |
| | | | | | | | | |

CONFIDENTIAL

CONSOLIDATED OIL WELL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676 KCC JUL 1 7 2003 ORIGINAL TICKET NUMBER 28981

LOCATION <u>Chanute</u> FOREMAN <u>OTTO POWEYS</u>

> MAX RATE MIN RATE

CONFIDENTIAL TREATMENT REPORT

| | | | . , , , | | | | | | |
|---------------------------|--------------------|-----------------------|----------------|------------------|---|---------------------------------------|--|--|--|
| DATE | | | | N | TRUCK # | DRIVER | TRUCK # | DRIVER | |
| 4-11-0 | | Luthi 31-31 | / . | | 372 14 | 0570 | THOOK # | T PHIVEN | |
| SECTION | TOWNSHIP | RANGE | COUNTY | 1 | 255 PT | Horb | | | |
| 31 | 12/ | 13 | Lyan | | 127 87 | Mike K. | : | | |
| CUSTOMER | | 42 53. | | | 1000 12.7. | 1.446 11. | I REC | EIVED | |
| Whiting ADI | 1 | Coppora | tion | _ | | | KANSAS CORPOR | ATION COMMISSIO | |
| | | , | | | | | JUL 2 | 2 2003 | |
| CITY | sadual suit = | 2300 Two units | Bank CTK | 4 | | | OONOEDVA | | |
| | , | | | | | | | IDN DIVISION ITA, KS | |
| STATE | - | ZIP CODE | | | | 128 | | | |
| | , | · . | | | | • | | | |
| COi | <u> </u> | 30202-2 | 300 | | | TYPE OF T | REATMENT | • | |
| 1 F5.55 V N | Arrive to the term | | | | [] SURFACE | | [] ACID BREA | KDOWN | |
| TIME ARRIVE | D ON LOCATION | - 16 | | _] | PRODUCT | ION CASING | [] ACID STIM | and the second second | |
| | WELL | DATA | | | [] SQUEEZE | | [] ACID SPOT | | |
| | 7% | PACKER DEPT | Н. | _ | [] PLUG & AE | | []FRAC | | |
| TOTAL DEPTI | H 2/34 | PERFORATION | IS | | [] PLUG BAC | • | [] FRAC + NIT | | |
| 1 Tr. 1 Tr. 2 Tr. 2 Tr. 2 | | SHOTS/FT | | | [] MISP. PUM | | | HOGEN | |
| CASING SIZE | | OPEN HOLE | |] | []OTHER | | [] | | |
| CASING DEP | | | | | | | | | |
| CASING WEIG | 3HT | TUBING SIZE | Andrice - Line | | ¢* - | PRESSURF | IMITATIONS | 4.9 | |
| CASING CON | DITION | TUBING DEPTI | 1 177 | | *** | 1142 | THEORETICAL | INCTRUCTER | |
| | | TUBING WEIGH | IT . | 1 | SURFACE PIPE | | THEORETICAL | INSTRUCTED | |
| | | TUBING COND | ITION |] . | ANNULUS LONG | STRING. | | | |
| TREATMENT | VIA | . Prik seni i die | | 1 | TUBING | 41(4 | | | |
| | | The Administration of | Trackly | | - , , , , , , , , , , , , , , , , , , , | | <u> </u> | · · | |
| INSTRUCTION | PRIOR TO JOB | Estblish 1 | Coulaton | 1 /2 / / / / / / | . رور ک | (// | ا د د د د د د د د د د د د د د د د د د د | 5 / | |
| owc wir | (d) 1.37 w | right 145 | Then Di. | the wine | cho o and | THE THAN | nix & sump | 4 1255h | |
| TOTAL DA | nth 228 | 8 | | zn punp | CHAN CHMENT | pumped ? | Kubber | plug To | |
| AUTIA | RIZATION TO PF | ROCEED | -11-3 | TITLE | | , | | | |
| | Landi. | | | | | - | DA | TE | |
| | | <i>j</i> - n - | | | | | | | |
| TIME AM / PM | STAGE | BBL'S | INJ RATE | PROPPANT | SAND/STAGE | PSI | T | · · · · · · · · · · · · · · · · · · · | |
| , uvi / 1 [V] | | PUMPED | | PPG | | | | | |
| | | 7 | | | | | BREAKDOWN P | RESSURE | |
| | | | | | | | DISPLACEMENT | | |
| | | | | | | | MIX PRESSURE | | |
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| | | | | | | | MIN PRESSURE | | |
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