

Confidentiality Requested:

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
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 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 | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| | | | | | |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

| | | |
|---|---|------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **4050**
 Foreman Kevin McCoy
 Camp EUREKA

| Date | Cust. ID # | Lease & Well Number | Section | Township | Range | County | State |
|--|------------|---------------------|---------|-----------------|-------|--------|--------|
| 7-24-18 | 1047 | J.J. MORRIS #15 | 5 | 245 | 12E | GW | Ks |
| Customer <u>LOCKARD Petroleum</u> | | | Unit # | Driver | | Unit # | Driver |
| Mailing Address <u>806 Melance CT.</u> | | | 104 | <u>ALAN M.</u> | | | |
| City <u>Liberty</u> | | | 110 | <u>JASON H.</u> | | | |
| State <u>Mo.</u> | | | 114 | <u>Zevi A.</u> | | | |
| Zip Code <u>64068</u> | | | 141 | <u>RICK L.</u> | | | |
| Safety Meeting <u>KM AM JH ZA RL AB</u> | | | 145 | <u>ALLEN B.</u> | | | |

Job Type Longstring Hole Depth 1880' Slurry Vol. 38 BBL LEAD Tubing _____
 Casing Depth 1877' Hole Size 6 3/4" Slurry Wt. 12.8 - 13.4 # Drill Pipe _____
 Casing Size & Wt. 4 1/2 11.60 # Cement Left in Casing _____ Water Gal/SK _____ Other _____
 Displacement 30 BBL Displacement PSI 1100 Bump Plug to 1500 PSI BPM _____

Remarks: SAFETY Meeting: Rig up to 4 1/2 casing w/ Rotating Head. BREAK CIRCULATION w/ 5 BBL Fresh water, Pump 500 gals Mud Flush, 10 BBL WATER SPACER. MIXED 130 SKS 60/40 Pozmix Cement w/ 6% Gel, 1* PhenoSeal/sk @ 12.8 #/gal, yield 1.65 = 38 BBL SLURRY. TAIL IN w/ 80 SKS THICK Set Cement w/ 5* Kol-Seal/sk @ 13.4 #/gal, yield 1.96 = 28 BBL SLURRY. WASH out Pump & Lines. Shut down. Release Plug. Displace Plug to SEAT w/ 30 BBL FRESH WATER. FINAL Pumping Pressure 1100 PSI. Bump Plug to 1500 PSI. WAIT 2 MINS. Release Pressure. Float Held. Good Cement Returns to SURFACE = 11 BBL SLURRY to Pit. Job Complete. Rig down.

| Code | Qty or Units | Description of Product or Services | Unit Price | Total |
|--|--------------|------------------------------------|----------------|----------|
| C 102 | 1 | Pump Charge | 1050.00 | 1050.00 |
| C 107 | 20 | Mileage | 3.95 | 79.00 |
| C 203 | 130 SKS | 60/40 Pozmix Cement | 12.75 | 1657.50 |
| C 206 | 670 # | Gel 6% | .20 # | 134.00 |
| C 208 | 130 # | PhenoSeal 1#/sk | 1.25 # | 162.50 |
| C 201 | 80 SKS | THICK Set Cement | 19.50 | 1560.00 |
| C 207 | 400 # | Kol-Seal 5#/sk | .45 # | 180.00 |
| C 108A | 10 TONS | Ton Mileage BULK TRUCKS x 2 | M/C | 450.00 |
| C 113 | 2 HRS | 80 BBL VAC TRUCK | 85.00 | 170.00 |
| C 113 | 2 HRS | 80 BBL VAC TRUCK | 85.00 | 170.00 |
| C 224 | 5500 GALS | CITY WATER | 10.00/1000 | 55.00 |
| C 216 | 500 GALS | Mud Flush | .50/gal | 250.00 |
| C 403 | 1 | 4 1/2 Top Rubber Plug | 45.00 | 45.00 |
| C 653 | 1 | 4 1/2 Flapper Valve Float Shoe | 239.00 | 239.00 |
| C 503 | 4 | 4 1/2 x 6 3/4" CENTRALIZERS | 44.00 | 176.00 |
| C 112 | 1 | 4 1/2 Rotating Cement Swivel | 100.00 | 100.00 |
| | | | Sub Total | 6478.00 |
| | | | Less 5% | 2341.007 |
| | | | 7.5% Sales Tax | 341.93 |
| Authorization <u>Witnessed By Gale</u> Title _____ | | | Total | 6478.93 |

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Rig 6 Drilling Company, Inc
 670 Soldier Rd
 Bronson, KS 66716

Bud Sifers, President
 620-365-9897
 lolasifers74@att.net

COMPANY: Lockard Petroleum
 ADDRESS: 806 Melanie Ct.
 Liberty, MO 64068

LEASE: JJ Morris
 COUNTY: Greenwood
 LOCATION: 2805'FSL/2805'FEL
 5-24-12e

COMMENCED: 7/18/2018
 COMPLETED: 7/24/2018
 WELL #: 15
 API#: 15-073-24241-00-00
 STATUS: Oil Well
 TOTAL DEPTH: 1,880 6 3/4"
 CASING: 40'-8 5/8" cmt w/ 15 sx
 Elite Cement

DRILLER'S LOG

| | | | |
|------|--------------------|------|--------------------------------|
| 8 | Top Soil & Clay | 1421 | Coal (CO) |
| 15 | Limestone (LS) | 1516 | SH w/LS Strks |
| 24 | Shale (SH) | 1519 | CO |
| 28 | LS | 1567 | SH |
| 48 | LS (Soft) | 1575 | SA SH |
| 63 | LS, soft w/SH | 1581 | SH |
| 133 | SH | 1588 | SA SH BIK (NS NO) |
| 139 | LS | 1596 | SA SH |
| 152 | SH w/LS Strks | 1604 | SA (Fair Show/Odor) oil on pit |
| 157 | LS | 1611 | SA SH |
| 269 | SH w/LS Strks | 1619 | SA (GO GS) |
| 290 | SH | 1624 | SH |
| 344 | LS w/SH Strks | 1629 | SH (Sandy) |
| 489 | SH w/ few LS Strks | 1781 | SH w/LS Strks |
| 496 | LS | 1801 | LS |
| 529 | SA SH (Sand Shale) | 1810 | LS,SA LS, Good odor & show |
| 759 | LS w/SH Strks | 1831 | LS |
| 789 | SH | 1843 | LS Brk (Oil on Pit) |
| 842 | LS w/Sh Brks | 1853 | LS |
| 864 | SH (Gray) | 1857 | LS (Fair odor) |
| 980 | LS w/SH Brks | 1880 | LS |
| 986 | SH (Red Bed) | | |
| 1140 | LS w/SH Strks | 1880 | T.D. |
| 1217 | SH | | |
| 1238 | LS | | |
| 1407 | SA SH | | |
| 1419 | LS | | |

pd
7/31/18
471b



PRESSURE PUMPING, LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

File

TICKET NUMBER 64234
 FIELD TICKET REF # _____
 LOCATION Thayer
 FOREMAN Bob Bueby

TREATMENT REPORT
 FRAC & ACID

| | | |
|-------------------------------|------------|--------------------|
| DATE | CUSTOMER # | WELL NAME & NUMBER |
| 8-24-18 | | JT Moccis 15 |
| CUSTOMER Lockard Petroleum | | |
| MAILING ADDRESS | | |
| CITY | STATE | ZIP CODE |

| SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|----------|---------|---------|
| | | | GR |
| TRUCK # | DRIVER | TRUCK # | DRIVER |
| 754 | Ryan | 73795 | Russell |
| 745 | London | 735221 | George |
| 453 | Gary | | |
| 615 | Garbin | | |
| 680791 | Tampis | | |
| 618790 | Donnie | | |

WELL DATA

| | |
|-------------------|--------------|
| CASING SIZE | TOTAL DEPTH |
| 4 1/2 | 1708 |
| CASING WEIGHT | PLUG DEPTH |
| | 1549 |
| TUBING SIZE | PACKER DEPTH |
| 2 3/8 J54E | |
| TUBING WEIGHT | OPEN HOLE |
| | |
| PERFS & FORMATION | |
| 1598-1604 (13) | |
| 1612-1616 (9) | |
| 1620-26 (3) | |

TYPE OF TREATMENT

| |
|-----------------------|
| Tub spst / ABO / FRAC |
| Chemicals |
| KesurB-Bioside |
| Acid-Inhibitor |
| Breaker |
| Mesurf |

| STAGE | BBL'S PUMPED | INJ RATE | PROPPANT PPG | SAND / STAGE | PSI | BREAKDOWN | START PRESSURE | END PRESSURE | BALL OFF PRESS | ROCK SALT PRESS | MIN RATE | MAX RATE | DISPLACEMENT |
|----------------|--------------|----------|--------------|--------------|-----|-----------|----------------|--------------|----------------|-----------------|------------|----------|--------------|
| PAID | | 70 | | | | | | | | | | | |
| 12-20 | | 15 | 15-10 | 4500# | | 1400 | | | | | | | |
| 12-20 | | | 10-2.0 | 2,000# | | | | | | | | | |
| 8-12 | | | 2.0 | 2,000# | | | | | | | | | |
| 12-20 | | | 5-2.0 | 4,300# | | | | | | | 5 MIN 278 | | |
| 8-12 | | | 2.0 | 2,000# | | | | | | | 10 MIN 252 | | |
| 12-20 | | | 15-1.0 | | | | | | | | 15 MIN | | |
| 12-20 | | | 10-2.0 | 4,300# | | | | | | | MIN RATE | | |
| 8-12 | | | 2.0 | 2,000# | | | | | | | MAX RATE | | |
| FLUSH TUB/CAS. | 6 | | | | | | | | | | | | |
| OVERFLUSH | 0 | | | | | | | | | | | | |
| TOTAL 13BLS | 479 | | | TOTAL 19100 | | | | | | | | | |

REMARKS: Hold safety - procedure meeting before setup (6 bbl's spst)
 Spot 100 gal -15% HCL acid thru tubing / set packer / sealers
 Breakdown + Acidize w/ 400 gal -15% HCL acid + 45 balls/sealers
 TOTAL ABO 13BLS
 Run packer thru perfs to knock balls off
 Location 9:30AM - 8:30PM
 80' miles

AUTHORIZATION Thayer TITLE _____ DATE 8-24-18

Terms and Conditions are printed on reverse side.

GEOLOGICAL REPORT

Lockard Petroleum, Inc.

J.J. Morris #15

SE SE SE NW Section 5-T24S-R12E

Greenwood County, Kansas

COMMENCED: 07-17-18

COMPLETED: 07-24-18

CONTRACTOR: Rig 6 Drilling Co., Inc

SIZE OF HOLE: 6 3/4"

SURFACE PIPE: 8 5/8"

CEMMENTED WITH: N/A

LONG STRING: 4 1/2"

CEMMENTED WITH: N/A

R.T.D.: 1880'

STATUS: Oil

A.P.I. #: 15-073-24241

OPERATOR LIC.: 33753

FIELD: Selley-Wick

ELEVATION: 1073 G.L.

LOGS: None

MUD SYSTEM: Chemical

OTHER:

William M. Stout
7-25-18

William M. Stout
Geologist

FORMATION TOPS

1073 G.L.

| | <u>Sample</u> |
|----------------------|---------------|
| Cattleman Zone | 1582 -509 |
| Mississippi | 1780 -707 |
| Mississippi Porosity | 1801 -728 |
| Total Depth | 1880 -807 |

SAMPLE DESCRIPTIONS

Cattleman Zone 1582 (-509)

1582' - 1618'

Sandstone - light brown, fine grain, calcareous, micaceous, shaley streaks fair to good odor, light stain, fair to good show free oil, good fluorescence, fair to good porosity.

Mississippi Porosity 1801' (-728)

1801' - 1808'

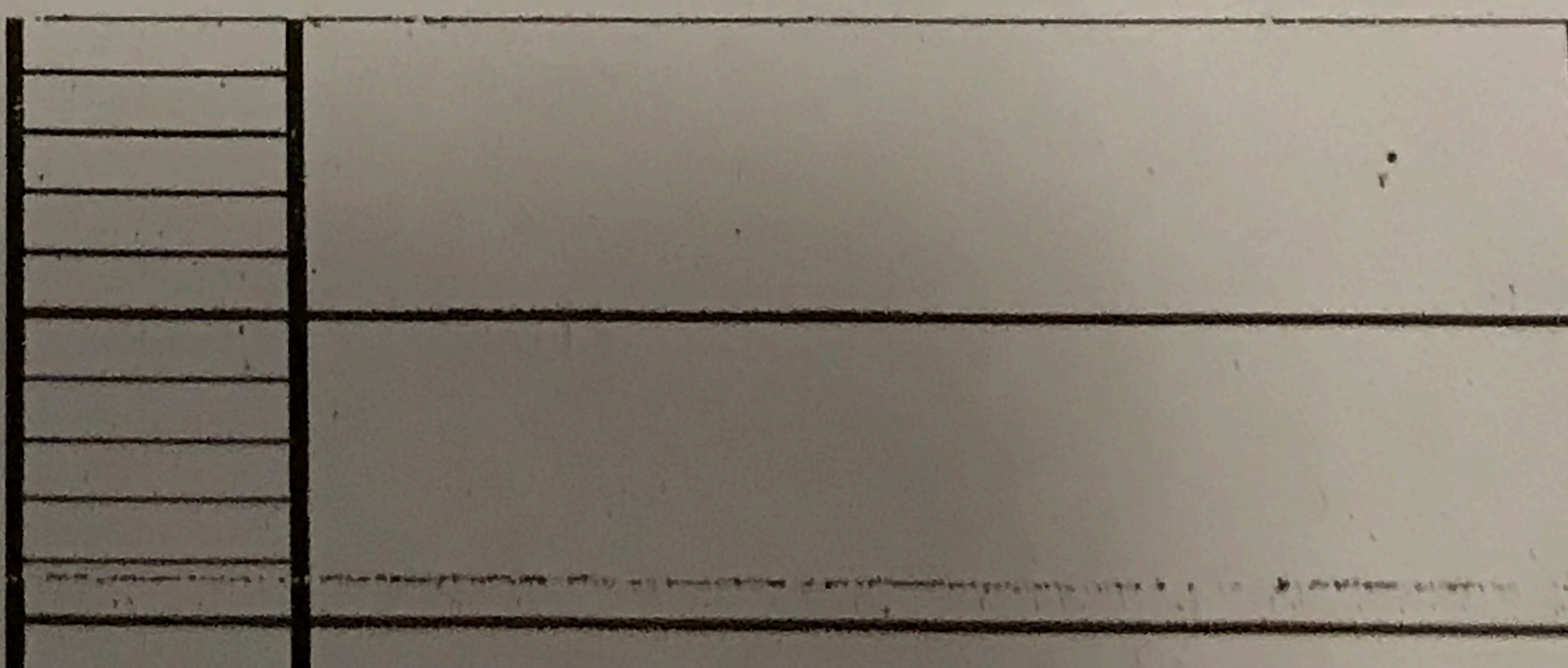
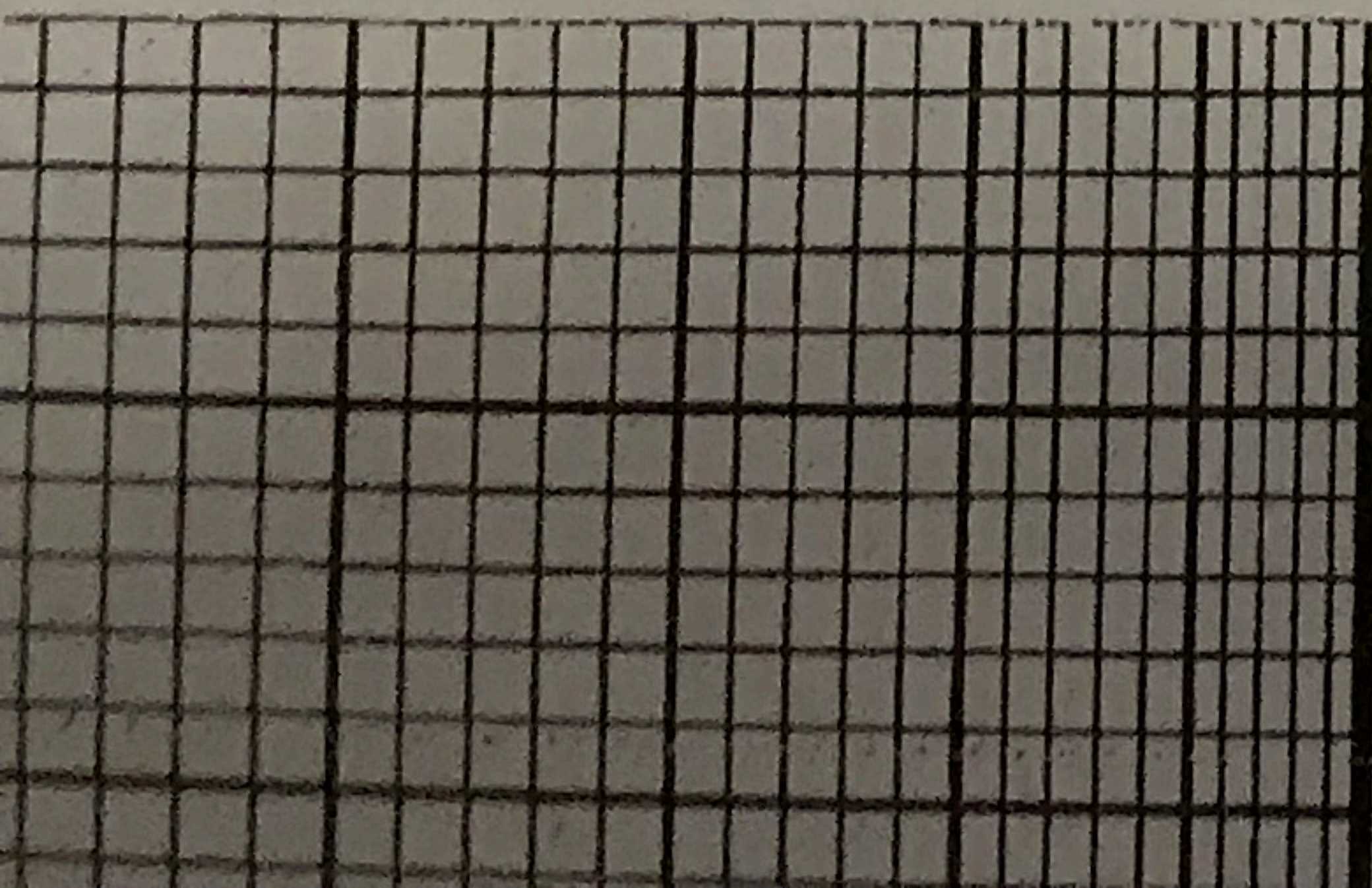
Dolomite - light brown, fine crystalline, friable, fair to good odor, light stain, show free oil, intercrystalline porosity with good fluorescence.

1832' - 1842'

Dolomite - light brown, fine crystalline, sucrose, glauconitic, no odor, possible light stain, no show oil, good porosity.

CONCLUSIONS

The decision was made to set and cement casing to further evaluate the Cattleman and Mississippi through perforations.



1073 G.L.

50

SH-AA

SH-GY GRN RND S/SH

SH-GY DK GY GRN RND S/SH

1700

SH-AA

SH-GY DK GY GRN S/SH

SH-AA

SH-GY DK GY 2/GRN

SH-GY DK GY S/SH

50

SH-AA. f. Coas

SH-GY DK GY S/SH

SH-GY DK GY S/SH - COAS

LS-LI BRN F-Y DUS. CARV NS. NUP N/SH. WAC. TRM-OPR. FRESH.

LS-LI BRN F-MX DUS CARV NS. NUP

1800

DOC. H. BRN F-X TRN F-GOOD. STANF. EXD. DOC. LL. BRN F-X. G. GOOD. LI. STN. SFO. EXD. W/GO. FLOOR.

LS-LI BRN F-MX DUS. CARV CR. CARV NS.

LS-LI BRN F-X DUS. DOLIC. CH. INPT. NS. NUP

DOC. H. BRN F-Y CARV. SUC. NOOR. PORS. LI. STN. NSFO. Gd. P.

LS-LI BRN F-X. BWS. S21. NL. NS. NUP. RDND. GY. 2A.

LS-LI BRN. F-Y. S/DNS. NS. P/SY-GY. BRN.

LS-LI BRN. BRN. F-MX DUS. NS. NUP

TRIP BIT 1669'

MISSISSIPPI 1780 (-707)

MISSISSIPPI POROSITY 1801 (-728)

RTD 1880 (-807)