

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: | |
|----------------|-------|---------|------------|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | H2Oil Opco, LLC |
| Well Name | WAGNER UNIT 1 |
| Doc ID | 1408286 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| Conductor | 26 | 16 | 65.00 | 60 | A | 160 | |
| Surface | 14.75 | 10.75 | 40.50 | 1107 | A | 602 | 2% CaCl, 1%NaCl |
| Intermediate | 9.875 | 7.625 | 29.70 | 4350 | A | 798 | |
| Liner | 6.75 | 5 | 18.00 | 7654 | | 0 | |

Koda Services, Inc.

INVOICE

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

| | |
|------------|-----------|
| Date | Invoice # |
| 10/22/2017 | 12206 |

| |
|---|
| Bill To |
| H2Oil Opco LLC 1400 Post Oak Boulevard, Ste 400 Houston, TX 77056 |

API 15-165-22153-01-00

Rush

| Legal Description | Ordered By | Terms | Field Ticket | Lease Name | Drill Rig |
|--|----------------|---|--------------|-------------------------|-------------|
| Barton Co., KS | Hayden Preston | Net 30 | 9194 | Wagner 1 | Duke 20 |
| Item | Quantity | Description | | Rate | Amount |
| Conductor | 60 | Drilled 60' of 26" hole for conductor | | 35.00 | 2,100.00 |
| 16" pipe | 60 | Furnished 60' of 16" Conductor Pipe | | 29.00 | 1,740.00T |
| Mouse | 75 | Drilled 75' of 20" Mouse hole | | 30.00 | 2,250.00 |
| 16" pipe | 75 | Furnished 75' of 16" Mouse Hole Pipe | | 29.00 | 2,175.00T |
| Ream Hole | 1 | Ream Hole | | 600.00 | 600.00 |
| 60" X 6' | 6 | Furnished 5' X 6' tinhorn | | 100.00 | 600.00T |
| Dirt Removal | 8 | Provided Labor and Equipment for dirt removal and cleanup | | 85.00 | 680.00 |
| Cover Plate | 3 | Cover Plate | | 30.00 | 90.00T |
| Deliver Grout | 1 | Deliver grout to location | | 350.00 | 350.00 |
| Grout | 10 | Furnished grout → 10 yards cmt | | 175.00 | 1,750.00T |
| Barrier Fence | 1 | Provided and Set Barrier Fence | | 70.00 | 70.00T |
| <p>10 yards cmt = 229 sxs cmt</p> <p>- Conductor Set at 60' with 160 sxs, cmt to surf</p> <p>- Mousehole Set at 75' with 65 sxs, cmt to surf</p> | | | | | |
| Thank you for your business. | | | | Subtotal | \$12,405.00 |
| | | | | Sales Tax (7.5%) | \$481.88 |
| | | | | Total | \$12,886.88 |

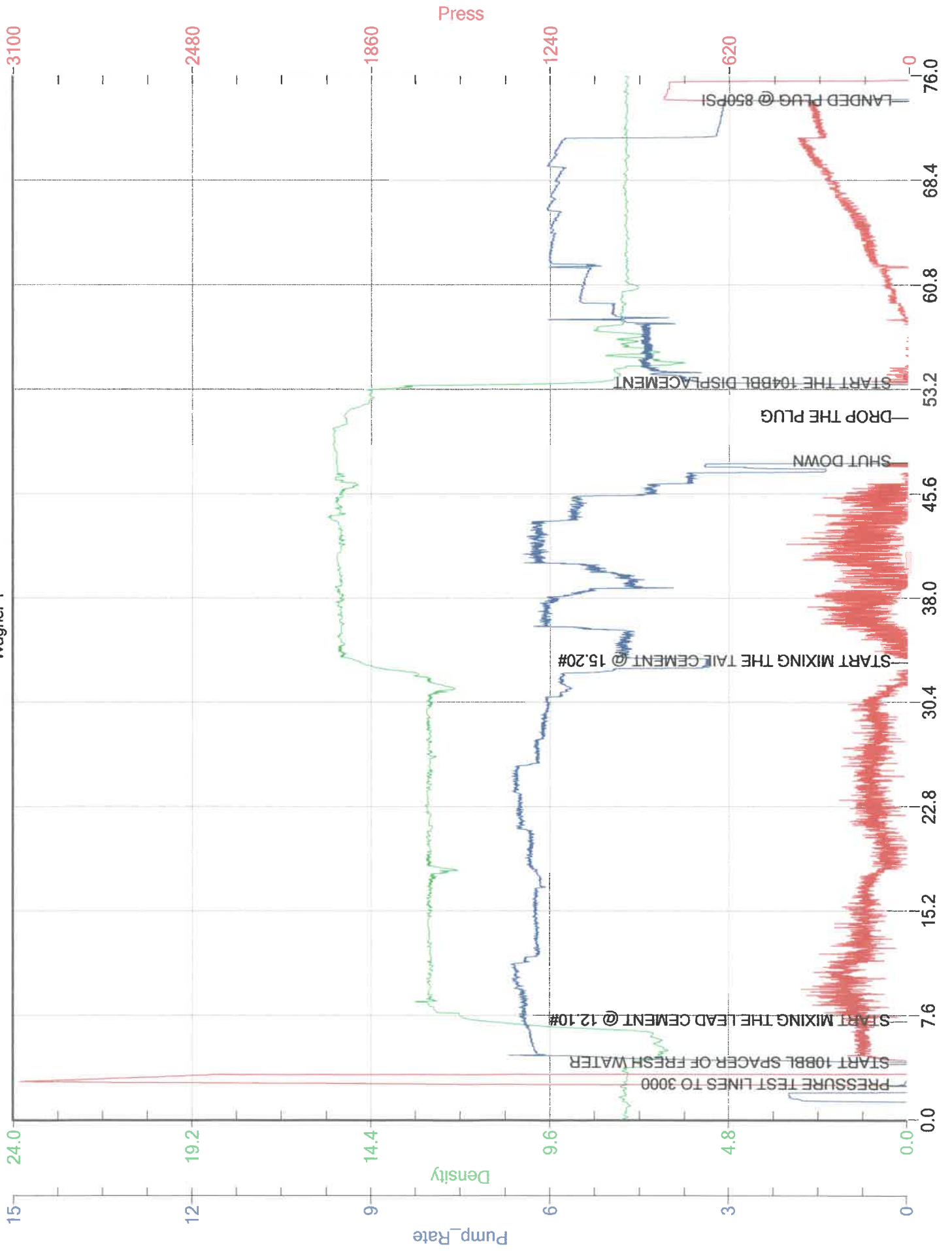


Customer Name H2Oil OPCO, LLC
 Well Name Wagner 1
 Job Type Surface

District Liberal
 Supervisor Hector Esqueda
 Engineer Kevin Aldridge

| Seq No. | Start Date/Time | Category | Event | Equipment | Event ID | Density (lb/gal) | Pump Rate (bpm) | Pump Vol (bbbl) | Pipe Pressure (psi) | Comments |
|---------|-----------------|--------------|--------------------|-------------------|----------|------------------|-----------------|-----------------|---------------------|--|
| 1 | 3/31/2018 19:00 | Mobilization | Callout | | 1 | | | | | |
| 2 | 4/1/2018 0:00 | Mobilization | Arrive on Location | | | | | | | |
| 3 | 4:00 | Operational | Spot Units | Cement Pump Truck | 49 | | | | | |
| 4 | 4:10 | Operational | Rig Up | | | | | | | |
| 5 | 4:40 | Operational | Safety Meeting | | | | | | | Hold STEACS meeting |
| 6 | 5:00 | Operational | Prime Up | Cement Pump Truck | | | | | | |
| 7 | 5:06 | Operational | Pressure Test | Cement Pump Truck | | | | | 3000 | |
| 8 | 5:08 | Operational | Pump Spacer | Cement Pump Truck | | 8.33 | 6 | 10 | 170 | start 10bbl spacer of fresh water |
| 9 | 5:11 | Operational | Pump Lead Cement | Cement Pump Truck | | 12.1 | 6.4 | 172 | 190 | start mixing the lead cement @ 12.10# |
| 10 | 5:35 | Operational | Pump Tail Cement | Cement Pump Truck | | 15.2 | 6 | 49 | 70 | start mixing the Tail cement @ 15.20# |
| 11 | 5:52 | Operational | | | | | | | | shut down |
| 12 | 5:56 | Operational | Drop Top Plug | | | | | | | |
| 13 | 5:58 | Operational | Pump Displacement | Cement Pump Truck | | 8.33 | 3.8 | 104 | 90 | start the 104bbl displacement (wash up on top of the plug) |
| 14 | 6:03 | Operational | | | | | 5.5 | 20 | 80 | 20bbbls gone |
| 15 | 6:07 | Operational | | | | | 6 | 40 | 150 | 40bbbls gone |
| 16 | 6:10 | Operational | | | | | 6 | 60 | 230 | 60bbbls gone |
| 17 | 6:13 | Operational | | | | | 6 | 80 | 330 | 80bbbls gone |
| 18 | 6:16 | Operational | | | | | 3.2 | 94 | 300 | 94bbbls gone slow rate down to 3.2bpm to land the plug |
| 19 | 6:18 | Operational | Land Plug | Cement Pump Truck | 57 | | | 104 | 850 | landed plug @ 850PSI |
| 20 | 6:22 | Operational | Check Floats | | 68 | | | 0.5 | | release the pressure to check the floats and they held good got 1/2bbl back to the tanks |
| 21 | 6:25 | Operational | Safety Meeting | Cement Pump Truck | 53 | | | | | Hold AAR meeting |
| 22 | 6:35 | Operational | Rig Down | | 73 | | | | | |
| 23 | 7:30 | Mobilization | Leave Location | | 74 | | | | | THANK YOU |
| 24 | | | | | | | | | | 55bbbls of cement circulated back to surface |

H2Oii OPCO, LLC Wagner 1



Cementing Treatment



| | | | |
|---------------------------|-----------------|-----------------------|--------------|
| Start Date | 4/1/2018 | Well | 15-165-22153 |
| End Date | 4/1/2018 | County | |
| Client | H2OIL OPCO, LLC | State/Province | KS |
| Client Field Rep | | API | 15-165-22153 |
| Service Supervisor | | Formation | |
| Field Ticket No. | | Rig | |
| District | Liberal, KS | Type of Job | Surface |

WELL GEOMETRY

| Type | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft) | TVD (ft) | Excess(%) | Grade | Thread |
|-----------|---------|---------|-------------|----------|----------|-----------|-------|--------|
| Casing | 9.95 | 10.75 | 45.50 | 1,112.00 | 1,112.00 | | J-55 | LTC |
| Open Hole | 14.75 | | | 1,108.00 | 1,108.00 | 100.00 | | |

Shoe Length (ft): 46

HARDWARE

| | | | |
|----------------------------------|--------|---|--------------|
| Bottom Plug Used? | No | Tool Type | Float Collar |
| Bottom Plug Provided By | | Tool Depth (ft) | 1,066.00 |
| Bottom Plug Size | | Max Tubing Pressure - Rated (psi) | |
| Top Plug Used? | Yes | Max Tubing Pressure - Operated (psi) | |
| Top Plug Provided By | BJ | Max Casing Pressure - Rated (psi) | 3,130.00 |
| Top Plug Size | 10.750 | Max Casing Pressure - Operated (psi) | 2,800.00 |
| Centralizers Used | Yes | Pipe Movement | |
| Centralizers Quantity | 7.00 | Job Pumped Through | No Manifold |
| Centralizers Type | Bow | Top Connection Thread | LTC |
| Landing Collar Depth (ft) | 1,066 | Top Connection Size | 10.75 |

CIRCULATION PRIOR TO JOB

Cementing Treatment



| | | | |
|---|-------|---|----|
| Well Circulated By | Rig | Solids Present at End of Circulation | No |
| Circulation Prior to Job | Yes | 10 sec SGS | |
| Circulation Time (min) | 60.00 | 10 min SGS | |
| Circulation Rate (bpm) | 6.00 | 30 min SGS | |
| Circulation Volume (bbls) | | Flare Prior to/during the Cement Job | No |
| Lost Circulation Prior to Cement Job | No | Gas Present | No |
| Mud Density In (ppg) | | Gas Units | |
| Mud Density Out (ppg) | | | |
| PV Mud In | | | |
| PV Mud Out | | | |
| YP Mud In | | | |
| YP Mud Out | | | |

TEMPERATURE

| | | | |
|-----------------------------------|-------|---------------------------------------|-------|
| Ambient Temperature (°F) | 33.00 | Slurry Cement Temperature (°F) | 58.00 |
| Mix Water Temperature (°F) | 55.00 | Flow Line Temperature (°F) | 61.00 |

BJ FLUID DETAILS

| Fluid Type | Fluid Name | Density (ppg) | Yield (Cu Ft/sk) | H2O Req. (gals/sk) | Planned Top of Fluid (Ft) | Length (Ft) | Vol (sk) | Vol (Cu Ft) | Vol (bbls) |
|----------------------------|--------------|---------------|------------------|--------------------|---------------------------|-------------|----------|-------------|------------|
| Spacer / Pre Flush / Flush | Fresh Water | 8.3400 | | | 0.00 | | | | 10.0000 |
| Lead Slurry | Lead Cement | 12.1000 | 2.5347 | 14.76 | 0.00 | 870.00 | 382 | 968.0000 | 172.4000 |
| Tail Slurry | Tail Cement | 15.2000 | 1.2692 | 5.74 | 870.00 | 230.00 | 220 | 279.0000 | 49.6000 |
| Displacement Final | Displacement | 8.3400 | | | 0.00 | | | 0.0000 | 101.7000 |

| Fluid Type | Fluid Name | Component | Concentration | UOM |
|------------|------------|-----------|---------------|-----|
|------------|------------|-----------|---------------|-----|

Cementing Treatment



| | | | |
|-------------|-------------|---|---------------|
| Lead Slurry | Lead Cement | CEMENT, ASTM TYPE I | 100.0000 PCT |
| Lead Slurry | Lead Cement | CEMENT EXTENDER, GYPSUM, A-10 | 2.0000 BWOB |
| Lead Slurry | Lead Cement | CEMENT EXTENDER, SODIUM METASILICATE A-2 ANHYDROUS | 2.0000 BWOB |
| Lead Slurry | Lead Cement | ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS | 2.0000 BWOB |
| Lead Slurry | Lead Cement | SALT, SODIUM CHLORIDE, A-5 | 2.0000 BWOB |
| Lead Slurry | Lead Cement | EXTENDER, BENTONITE | 4.0000 BWOB |
| Lead Slurry | Lead Cement | IntegraSeal CELLO | 0.5000 LBS/SK |
| Tail Slurry | Tail Cement | CEMENT, ASTM TYPE I | 100.0000 PCT |
| Tail Slurry | Tail Cement | IntegraSeal CELLO | 0.5000 LBS/SK |
| Tail Slurry | Tail Cement | ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS | 2.0000 BWOB |

TREATMENT SUMMARY

| Time | Fluid | Rate (bpm) | Fluid Vol. (bbls) | Pipe Pressure (psi) | Annulus Pressure (psi) | Comments |
|------|--------------|------------|-------------------|---------------------|------------------------|----------|
| | Fresh Water | 0.00 | 10.00 | | | |
| | Lead Cement | 0.00 | 172.40 | | | |
| | Tail Cement | 6.00 | 49.60 | | | |
| | Displacement | 0.00 | 101.70 | | | |

| | Min | Max | Avg |
|----------------|------|--------|--------|
| Pressure (psi) | 0.00 | 850.00 | 200.00 |
| Rate (bpm) | 3.20 | 6.50 | 6.00 |

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By BJ Amount of Cement Returned/Reversed 55.00

Cementing Treatment



| | | | |
|---------------------------------------|--------|------------------------------------|--------|
| Calculated Displacement Volume (bbls) | 104.57 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | 104.57 | Amount of Spacer to Surface | 10.00 |
| Did Float Hold? | Yes | Pressure Left on Casing (psi) | 0.00 |
| Bump Plug | Yes | Amount Bled Back After Job | 0.50 |
| Bump Plug Pressure (psi) | 850.00 | Total Volume Pumped (bbls) | 338.00 |
| Were Returns Planned at Surface | Yes | Top Out Cement Spotted | No |
| Cement returns During Job | Full | Lost Circulation During Cement Job | No |

CEMENT PLUG

| | | | |
|------------------------|----|-------------------|----|
| Bottom of Cement Plug? | No | Wiper Balls Used? | No |
| Wiper Ball Quantity | | Plug Catcher | No |
| Number of Plugs | | | |

SQUEEZE

| | |
|---------------------------------|---------------------|
| Injection Rate (bpm) | Fluid Density (ppg) |
| Injection Pressure (psi) | ISIP (psi) |
| Type of Squeeze | FSIP (psi) |
| Operators Max SQ Pressure (psi) | |

COMMENTS

Treatment Report

Job Summary

pressure test lines to 3000PSI
10bbl spacer of fresh water
172bbl Lead cement @ 12.10#
49bbl Tail cement @ 15.20#
shut down

Cementing Treatment



drop the top plug
104bbl displacement (wash up on top of the plug)
last 10bbl slow rate down to 3bpm to land the plug
landed plug @ 850PSI

Customer Name H2OIL OPCO, LLC
 Well Name WAGNER # 1
 Job Type Two-Stage Cement

District Liberal
 Supervisor ALDO ESPINOZA
 Engineer EDGAR



| Seq No. | Start Date/Time | Category | Event | Equipment | Event ID | Density (lb/gal) | Pump Rate (bpm) | Pump Vol (bbls) | Pipe Pressure (psi) | Comments |
|---------|-------------------|--------------|--------------------|-------------------|----------|------------------|-----------------|-----------------|---------------------|--------------------------------------|
| 1 | 4/11/18 02:00 HRS | Mobilization | Arrive on Location | Cement Pump Truck | | | | | | ON LOCATION |
| 2 | 300AM | | RIG UP | | | | | | | RIG UP |
| 3 | 900AM | | CASING ON BOTTOM | | | | | | | CASING ON BOTTOM |
| 4 | 930AM | | SAFETY MEETING | | | | | | | SAFETY MEETING |
| 5 | 1019AM | | PRESSURE TEST | | | | 1 | 1 | 4000 | PRESSURE TEST LINES |
| 6 | 1020AM | | ULTRA FLUSH | | | 8.4 | 5 | 5 | 180 | 5 BBL ULTRA FLUSH |
| 7 | 1025AM | | SLURRY | | | 13.6 | 5 | 69 | 200 | 242 SK/69 BBL SLURRY AT 13.6 #/g |
| 8 | 1104AM | | DROP PLUG | | | | | | | DROP BOTTOM PLUG |
| 9 | 1108AM | | DISPLACING | | | 8.5 | 3 | | 80 | START DISPLACEMENT W/ PRODUCE WATER |
| 10 | 1125AM | | SWAP TO MUD | | | 9 | 5 | 80 | 150 | 80 BBL GONE, SWAP TO MUD |
| 11 | 1150AM | | | | | | 5 | 70 | 370 | 150 BBL GONE |
| 12 | 1205PM | | BUMP PLUG | | | | 3 | 48 | 350-950 | 198 BBL BUMP PLUG |
| 13 | 1207PM | | CHECK FLOATS | | | | | | 0 | CHECK FLOATS |
| 14 | | | | | | | | | | HOLDING |
| 15 | 1210PM | | DROP OPENING TOOL | | | | | | | DROP OPENING TOOL |
| 16 | 1232PM | | OPEN TOOL | | | | 3 | 10 | 1100-200 | OPEN TOOL, BRAKE CIRCULATION |
| 17 | 1240PM | | SWAP TO RIG | | | | | | | SWAP TO RIG PUMP |
| 18 | | | SECOND STAGE | | | | | | | SECOND STAGE |
| 19 | 400PM | | PRESSURE TEST | | | 8.34 | 1 | 1 | 4400 | SWAP TO BJ PUMP, PRESSURE TEST LINES |
| 20 | 404PM | | SLURRY | | | 12 | 5 | 210 | 200 | 556 / SK 210 BBL SLURRY AT 12 #/g |
| 21 | 503PM | | DROP PLUG | | | | | | | DROP TOP PLUG |
| 22 | 505PM | | DISPLACING | | | 8.5 | 3 | | | START DISPLACEMENT W/ PRODUCE WATER |
| 23 | 510PM | | | | | | 5 | 20 | | 20 BBL GONE |
| 24 | 516PM | | | | | | 5 | 20 | | 40 BBL GONE |
| 25 | 520PM | | | | | | 5 | 20 | | 60 BBL GONE |
| 26 | 526PM | | | | | | 5 | 20 | | 80 BBL GONE |
| 27 | 529PM | | | | | | 5 | 20 | | 100 BBL GONE |
| 28 | 533PM | | | | | | 5 | 20 | | 120 BBL GONE |
| 29 | 535PM | | SLOW DOWN | | | | 3 | 10 | | 130 BBL SLOW DOWN TO LAND PLUG |
| 30 | 538PM | | BUMP PLUG | | | | 3 | 7 | | 137 BBL BUMP PLUG 1200 PSI OVER |
| 31 | 540PM | | CHECK FLOATS | | | | | | | CHECK FLOATS |
| 32 | | | | | | | | | | HOLDING |
| 33 | 600PM | | RIG DOWN | | | | | | | RIG DOWN |
| 34 | 730PM | | | | | | | | | LEAVE LOCATION |
| 35 | | | | | | | | | | THANKS |
| 36 | | | | | | | | | | |
| 37 | | | | | | | | | | |

Cementing Treatment



| | | | |
|---------------------------|-----------------|-----------------------|--------------|
| Start Date | 4/11/2018 | Well | 15-165-22153 |
| End Date | 4/11/2018 | County | RUSH |
| Client | H2OIL OPCO, LLC | State/Province | KS |
| Client Field Rep | JOE GORDY | API | 15-165-22153 |
| Service Supervisor | ALDO ESPINOZA | Formation | |
| Field Ticket No. | | Rig | DUKE 20 |
| District | Liberal, KS | Type of Job | Intermediate |

WELL GEOMETRY

| Type | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft) | TVD (ft) | Excess(%) | Grade | Thread |
|-----------------|---------|---------|-------------|----------|----------|-----------|-------|--------|
| Open Hole | 9.88 | | | 4,350.00 | 3,800.00 | 30.00 | | |
| Casing | 7.03 | 7.63 | 24.00 | 4,355.00 | 3,800.00 | | P-110 | BTC |
| Previous Casing | 9.95 | 10.75 | 45.50 | 1,100.00 | 1,100.00 | | | |
| Open Hole | 9.88 | | | 3,000.00 | 3,000.00 | 130.00 | | |

Shoe Length (ft): 40

HARDWARE

| | | | |
|--------------------------------|-------|--|----------|
| Bottom Plug Used? | Yes | Tool Type | DV Tool |
| Bottom Plug Provided By | BJ | Tool Depth (ft) | 3,005.00 |
| Bottom Plug Size | 7.625 | Max Tubing Pressure - Rated (psi) | |

Cementing Treatment



| | | | |
|---------------------------|-------|--------------------------------------|----------|
| Top Plug Used? | Yes | Max Tubing Pressure - Operated (psi) | |
| Top Plug Provided By | BJ | Max Casing Pressure - Rated (psi) | 9,400.00 |
| Top Plug Size | 7.625 | Max Casing Pressure - Operated (psi) | 3,000.00 |
| Centralizers Used | Yes | Pipe Movement | None |
| Centralizers Quantity | 36.00 | Job Pumped Through | Manifold |
| Centralizers Type | Bow | Top Connection Thread | BTC |
| Landing Collar Depth (ft) | 4,315 | Top Connection Size | 7.625 |

CIRCULATION PRIOR TO JOB

| | | | |
|--------------------------------------|--------|--------------------------------------|----|
| Well Circulated By | Rig | Solids Present at End of Circulation | No |
| Circulation Prior to Job | Yes | 10 sec SGS | |
| Circulation Time (min) | 2.00 | 10 min SGS | |
| Circulation Rate (bpm) | 5.00 | 30 min SGS | |
| Circulation Volume (bbls) | 200.00 | Flare Prior to/during the Cement Job | No |
| Lost Circulation Prior to Cement Job | No | Gas Present | No |
| Mud Density In (ppg) | 9.10 | Gas Units | |
| Mud Density Out (ppg) | 9.10 | | |
| PV Mud In | | | |
| PV Mud Out | | | |
| YP Mud In | | | |
| YP Mud Out | | | |

Cementing Treatment



TEMPERATURE

| | | | |
|----------------------------|-------|--------------------------------|-------|
| Ambient Temperature (°F) | 80.00 | Slurry Cement Temperature (°F) | 65.00 |
| Mix Water Temperature (°F) | 60.00 | Flow Line Temperature (°F) | 65.00 |

BJ FLUID DETAILS

| Fluid Type | Fluid Name | Density (ppg) | Yield (Cu Ft/sk) | H2O Req. (gals/sk) | Planned Top of Fluid (Ft) | Length (Ft) | Vol (sk) | Vol (Cu Ft) | Vol (bbls) |
|----------------------------|--------------------|---------------|------------------|--------------------|---------------------------|-------------|----------|-------------|------------|
| Spacer / Pre Flush / Flush | Fresh Water | 8.3400 | | | 2,321.00 | | | | 10.0000 |
| Spacer / Pre Flush / Flush | IntegraGuard Ultra | 8.3400 | | | 2,739.00 | | | | 10.0000 |
| Tail Slurry | Tail Cement | 12.0000 | 2.1303 | 12.15 | 0.00 | 3,000.00 | 556 | 1,184.0000 | 210.8000 |
| Tail Slurry | Tail Cement | 13.6000 | 1.6097 | 7.39 | 3,000.00 | 1,350.00 | 242 | 389.0000 | 69.1000 |
| Displacement Final | Displacment | 8.3400 | | | 0.00 | | | 0.0000 | 143.8000 |
| Displacement Final | Displacment | 8.3400 | | | 0.00 | | | 0.0000 | 206.5000 |

| Fluid Type | Fluid Name | Component | Concentration | UOM |
|----------------------------|--------------------|--------------------------------|---------------|------|
| Spacer / Pre Flush / Flush | IntegraGuard Ultra | IntegraGuard ULTRA CONCENTRATE | 1.0000 | GPB |
| Tail Slurry | Tail Cement | CEMENT EXTENDER, GYPSUM, A-10 | 5.0000 | BWOB |

Cementing Treatment



| | | | |
|-------------|-------------|-------------------------------|---------------|
| Tail Slurry | Tail Cement | IntegraSeal KOL | 5.0000 LBS/SK |
| Tail Slurry | Tail Cement | EXTENDER, BENTONITE | 2.0000 BWOB |
| Tail Slurry | Tail Cement | DISPERSANT, CD-31 | 0.2000 BWOB |
| Tail Slurry | Tail Cement | CEMENT, ASTM TYPE I | 60.0000 PCT |
| Tail Slurry | Tail Cement | EXTENDER, BENTONITE | 4.0000 BWOB |
| Tail Slurry | Tail Cement | IntegraSeal CELLO | 0.2500 BWOB |
| Tail Slurry | Tail Cement | CEMENT, CLASS H, HSR | 50.0000 PCT |
| Tail Slurry | Tail Cement | SALT,SODIUM CHLORIDE, A-5 | 10.0000 BWOW |
| Tail Slurry | Tail Cement | FLUID LOSS, FL-52 | 0.5000 BWOB |
| Tail Slurry | Tail Cement | Foam Preventer, FP-25 | 0.2000 LBS/SK |
| Tail Slurry | Tail Cement | CEMENT, FLY ASH (POZZOLAN) | 50.0000 PCT |
| Tail Slurry | Tail Cement | IntegraSeal CELLO | 0.2500 BWOB |
| Tail Slurry | Tail Cement | Foam Preventer, FP-25 | 0.2000 LBS/SK |
| Tail Slurry | Tail Cement | CEMENT, FLY ASH (POZZOLAN) | 40.0000 PCT |

TREATMENT SUMMARY

| Time | Fluid | Rate (bpm) | Fluid Vol. (bbls) | Pipe Pressure (psi) | Annulus Pressure (psi) | Comments |
|------|--------------------|------------|-------------------|---------------------|------------------------|----------|
| | IntegraGuard Ultra | 0.00 | 10.00 | | | |
| | Tail Cement | 0.00 | 69.10 | | | |
| | Displacment | 0.00 | 206.50 | | | |

Cementing Treatment



| | | |
|-------------|------|--------|
| Fresh Water | 0.00 | 10.00 |
| Tail Cement | 0.00 | 210.80 |
| Displacment | 0.00 | 143.80 |

| | Min | Max | Avg |
|----------------|------|----------|--------|
| Pressure (psi) | 0.00 | 3,000.00 | 600.00 |
| Rate (bpm) | 1.00 | 6.00 | 5.00 |

DISPLACEMENT AND END OF JOB SUMMARY

| | | | |
|--|--------|---|--------|
| Displaced By | BJ | Amount of Cement Returned/Reversed | |
| Calculated Displacement Volume (bbls) | 198.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | 198.00 | Amount of Spacer to Surface | 0.00 |
| Did Float Hold? | Yes | Pressure Left on Casing (psi) | 0.00 |
| Bump Plug | Yes | Amount Bled Back After Job | 1.50 |
| Bump Plug Pressure (psi) | 950.00 | Total Volume Pumped (bbls) | 635.00 |
| Were Returns Planned at Surface | No | Top Out Cement Spotted | No |
| Cement returns During Job | None | Lost Circulation During Cement Job | No |

CEMENT PLUG

| | | | |
|-------------------------------|-----|--------------------------|----|
| Bottom of Cement Plug? | Yes | Wiper Balls Used? | No |
| Wiper Ball Quantity | | Plug Catcher | No |

Cementing Treatment



Number of Plugs

SQUEEZE

| | |
|---------------------------------|---------------------|
| Injection Rate (bpm) | Fluid Density (ppg) |
| Injection Pressure (psi) | ISIP (psi) |
| Type of Squeeze | FSIP (psi) |
| Operators Max SQ Pressure (psi) | |

COMMENTS

Treatment Report

Job Summary

FIRST STAGE
PUNPED 5 BBL ULTRA FLUSH AHEAD OF CEMENT
242 SK/ 69 BBL SLURRY AT13.6 #/g
DROP PLUG
DISPLACE 80 BBL PRODUCE WATER AND 118 BBL MUD
BUMP PLUG AT 950 PSI
DROP OPENING TOOL
OPEN AT 1100 PSI
CIRCULATE 4 HRSW\ W/RIG PUMP

Cementing Treatment



SECOND STAGE

556 SK / 210 BBL SLURRY AT 12 #/g

DROP PLUG

DISPLACE 138 BBL PRODUCE WATER

BUMP PLUG 400-1600 PSI

FIELD TICKET



Client H2OIL OPCO, LLC
Well 15-165-22153
Job Description Intermediate
Date April 11, 2018
Field Ticket # FT-05491-B8XOR10202-85636

Field Ticket # FT-05491-B8XOR10202-85636 **Credit Approval #**

Client H2OIL OPCO, LLC **Purchase Approval #**

1400 POST OAK BLVD STE 400,
HOUSTON, 77056 **Invoice #**

Field Rep Aldo Espinoza Galindo **Well** 15-165-22153

Field Client Rep JOE GORDY **Well API #** 15-165-22153

District Liberal, KS **Well Type**

Job Type Intermediate **Well Classification**

Job Depth (ft) 4,350.00 **County** USA

Gas Used On Job No **State/Province** KS

Field Lease WAGNER UNIT

FIELD TICKET

Client H2OIL OPCO, LLC
 Well 15-165-22153
 Job Description Intermediate
 Date April 11, 2018



Field Ticket # FT-05491-B8XOR10202-85636

MATERIALS

| Product Code | Description | UOM | Quantity | List Price | Gross Amount | Disc (%) | Net Amount |
|-----------------------------------|--|-----|------------|-------------|--------------------|----------|--------------------|
| L100318 | CEMENT EXTENDER, GYPSUM, A-10 | LB | 1,017.0000 | \$0.72 | \$732.24 | 70.00 | \$219.67 |
| L488168 | CEMENT, ASTM TYPE I | SK | 334.0000 | \$44.11 | \$14,732.74 | 70.00 | \$4,419.82 |
| L100022 | CEMENT, CLASS H, HSR | SK | 121.0000 | \$50.27 | \$6,082.67 | 70.00 | \$1,824.80 |
| L100317 | CEMENT, FLY ASH (POZZOLAN) | SK | 344.0000 | \$25.68 | \$8,833.92 | 70.00 | \$2,650.18 |
| L017067 | CENTRALIZERS, 7-5/8 in. | EA | 35.0000 | \$403.00 | \$14,105.00 | 70.00 | \$4,231.50 |
| L016092 | Circulating differential fill float collars, 7-5/8 in. | EA | 1.0000 | \$1,730.00 | \$1,730.00 | 70.00 | \$519.00 |
| L100290 | DISPERSANT, CD-31 | LB | 41.0000 | \$14.74 | \$604.34 | 70.00 | \$181.30 |
| L100120 | EXTENDER, BENTONITE | LB | 2,320.0000 | \$2.08 | \$4,825.60 | 70.00 | \$1,447.68 |
| L014010 | Float Shoe - circulating diff. type, 7-5/8 in. | EA | 1.0000 | \$2,755.00 | \$2,755.00 | 70.00 | \$826.50 |
| L488015 | FLUID LOSS, FL-52 | LB | 102.0000 | \$23.28 | \$2,374.56 | 70.00 | \$712.37 |
| L101196 | Foam Preventer, FP-25 | LB | 160.0000 | \$14.52 | \$2,323.20 | 70.00 | \$696.96 |
| L488735 | IntegraGuard ULTRA CONCENTRATE | GAL | 10.0000 | \$159.60 | \$1,596.00 | 70.00 | \$478.80 |
| L100295 | IntegraSeal CELLO | LB | 171.0000 | \$5.76 | \$984.96 | 70.00 | \$295.49 |
| L415082 | IntegraSeal KOL | LB | 1,210.0000 | \$1.20 | \$1,452.00 | 70.00 | \$435.60 |
| L100404 | SALT, SODIUM CHLORIDE, A-5 | LB | 1,493.0000 | \$1.04 | \$1,552.72 | 70.00 | \$465.82 |
| L017350 | Stage cementing tool, 7-5/8 in. | EA | 1.0000 | \$30,680.00 | \$30,680.00 | 70.00 | \$9,204.00 |
| Product Material Subtotal: | | | | | \$95,364.95 | | \$28,609.49 |

SERVICES

| Product Code | Description | UOM | Quantity | List Price | Gross Amount | Disc (%) | Net Amount |
|--------------|--|-----|----------|-------------|--------------|----------|------------|
| S-100004 | Cement Crew Mobilization- Demobilization Fee | EA | 1.00 | \$10,880.00 | \$10,880.00 | 92.00 | \$870.400 |
| S-100475 | Cement head | EA | 1.00 | \$2,656.00 | \$2,656.00 | 92.00 | \$212.480 |

FIELD TICKET

Client H2OIL OPCO, LLC
Well 15-165-22153
Job Description Intermediate
Date April 11, 2018



Field Ticket # FT-05491-B8XOR10202-85636

| | | | | | | | |
|----------|--|------|-------|--------------------------|--------------------|-------|-------------------|
| S-100052 | Cement pump charge, 4,001-5,000 feet/1,201 - 1,500 m | 6/HR | 1.00 | \$6,192.00 | \$6,192.000 | 92.00 | \$495.360 |
| S-100066 | Cement pump charge, Additional Hours | HR | 6.00 | \$2,720.00 | \$16,320.000 | 92.00 | \$1,305.600 |
| S-100072 | Circulating Equipment | JOB | 1.00 | \$5,248.00 | \$5,248.000 | 92.00 | \$419.840 |
| S-100001 | Mileage - vehicle heavy weight | MI | 50.00 | \$18.96 | \$948.000 | 92.00 | \$75.840 |
| S-100002 | Mileage - vehicle light weight | MI | 50.00 | \$10.72 | \$536.000 | 92.00 | \$42.880 |
| | | | | Service Subtotal: | \$42,780.00 | | \$3,422.40 |

FIELD TICKET

Client H2OIL OPCO, LLC
Well 15-165-22153
Job Description Intermediate
Date April 11, 2018

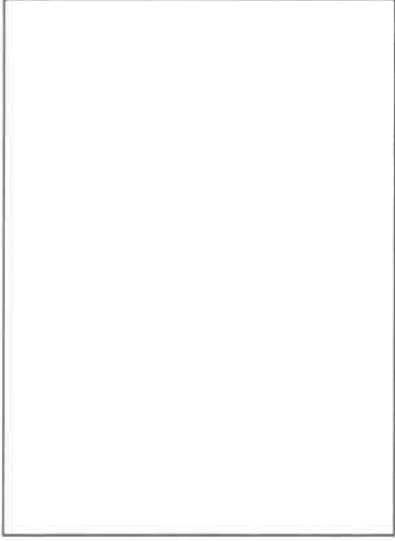


Field Ticket # FT-05491-B8XOR10202-85636

FIELD ESTIMATES

| | |
|--------------------|---------------|
| TOTAL GROSS AMOUNT | \$138,144.950 |
| TOTAL % DISC | 76.813% |
| TOTAL NET AMOUNT | \$32,031.890 |

Arrive Location
Client Rep.



Service Order

I authorize work to begin per service instructions in accordance with the terms and conditions printed on the following pages of this form and represent that I have authority to accept and sign this order.

Service receipt

I certify that the materials and services listed were received and all services performed in a workmanlike manner.

BJ REPRESENTATIVE
Aldo Espinoza Galindo

CLIENT AUTHORIZED AGENT
JOE GORDY



Texas Geologic Services

Scale: 5" / 100'
Measured Depth Log

Well Name Wagner Unit 1H 5in

Location Section 28 & 29, T18S-R16W

State Kansas

County Rush

Country USA

Rig Number Duke 20

API Number 15-165-22153-01-00

AFE # DCI001

Spud Date 3/30/2018

Field Otis-Albert Field

Surface Coordinates NAD 27
Long= -99.111194 Lat= 38.463512

Bottom Hole Coordinates Long= -99.099308 Lat= 38.452016

Ground Elevation 2051'

K.B. Elevation 2067'

Logged Interval 1108'

Formation Reagan Sand

Type of Drilling Fluid WBM

Operator

Company H2Oil

Address Houston, TX

Geologist

Name Kate Kozicki

Company H2Oil

Address 1400 Post Oak Blvd, Ste 400
Houston, TX 77056

Other

Day Logger Dennis Weaver

Night Logger Jeff Patterson

Rock Types

| | | | |
|----------------------|-----------|---------------|-------------|
| UNKNOWN | DOLOMITE | SHALE GRAY | TILL |
| ANHYDRITE | CHERT | SHALE COLORED | BENTONITE |
| GYPSUM | COAL | SILTSTONE | TUFF |
| SALT | MARLSTONE | SANDSTONE | IGNEOUS |
| SIDERITE or LIMONITE | CLAYSTONE | CONGLOMERATE | METAMORPHIC |
| LIMESTONE | SHALE | BRECCIA | CEMENT |

Accessories

Fossils

- ALGAE
- AMPHIPORA
- BELEMNITE
- BIOCLASTIC
- BRACHIOPOD
- BRYOZOA
- CEPHALOPOD
- CORAL
- CRINOID
- ECHINOID
- FISH
- FORAMINIFERA

Fossil

- F FOSSIL
- GASTROPOD
- OOLITE
- OSTRACOD
- PELECYPOD
- PELLET
- PISOLITE
- PLANT REMAINS
- PLANT SPORES
- SCAPHOPOD
- STROMATOPOROID

Minerals

- ANHYDRITIC

Argillaceous

- ARGILLACEOUS
- ARGILLITE GRAIN
- BENTONITE
- BITUMENOUS SUBSTANCE
- BRECCIA FRAGMENTS
- CALCAREOUS
- CARBONACEOUS FLAKES
- CHTDK
- CHTLT
- COAL - THIN BEDS
- DOLOMITIC
- FELDSPAR
- FERRUGINOUS PELLET
- FERRUGINOUS

Glauconite

- GLAUCONITE
- GYPSIFEROUS
- HEAVY MINERAL
- KAOLIN
- MARLSTONE
- MINERAL CRYSTALS
- NODULES
- PHOSPHATE PELLETS
- PYRITE
- SALT CAST
- SANDY
- SILICEOUS
- SILTY
- TUFFACEOUS

Stringer

- ANHYDRITE STRINGER
- BENTONITE STRINGER
- COAL STRINGER
- DOLOMITE STRINGER
- GYPSUM STRINGER
- LIMESTONE STRINGER
- MARLSTONE (CALC) STRG
- MARLSTONE (DOL) STRG
- SANDSTONE STRINGER
- SHALE STRINGER
- SILTSTONE STRINGER

Other Symbols

Oil Show

- DEAD
- EVEN
- QUESTIONABLE
- SPOTTED STAINING

Porosity

- E EARTHY
- F FENESTRAL
- F FRACTURE
- X INTERCRYSTALLINE
- O INTEROOLITIC
- M MOLDIC

- ORGANIC
- P PINPOINT
- V VUGGY

Engineering

- BIT
- CASING
- CONNECTION (LEFT)
- CONNECTION (RIGHT)
- CONNECTION GAS
- CORE - LOST
- CORE - RECOVERED
- DST INTERVAL
- FAULT

- FORMATION TOP
- GAS SHOW
- MN DEPTH
- NORMAL FAULT
- OIL SHOW
- OVERTURNED STRATA
- REVERSE FAULT
- SIDEWALL CORE (LEFT)
- SIDEWALL CORE (RIGHT)
- SLIDE
- SURVEY
- TRIP GAS
- WIRELINE TESTED - LEFT
- WIRELINE TESTED - RT

Rounding

- A ANGULAR
- R ROUNDED
- S SUBANG
- SUBRND

Textures

- BS BOUNDSTONE
- C CHALKY
- CX CRYPTOXLN
- E EARTHY
- FX FINELYXLN
- GS GRAINSTONE

Lithographic

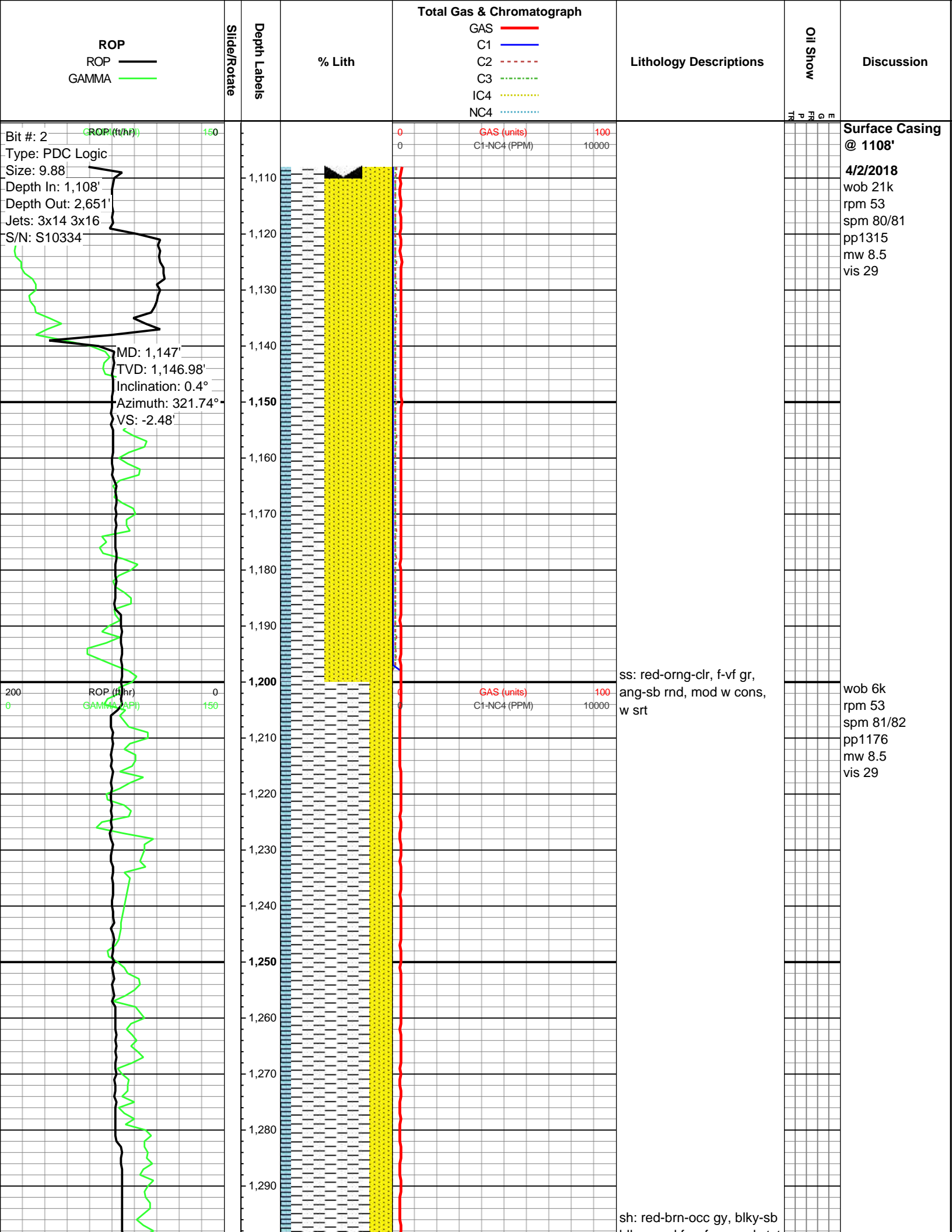
- Mx MICROXLN
- Ms MUDSTONE
- Ps PACKSTONE
- Ws WACKESTONE

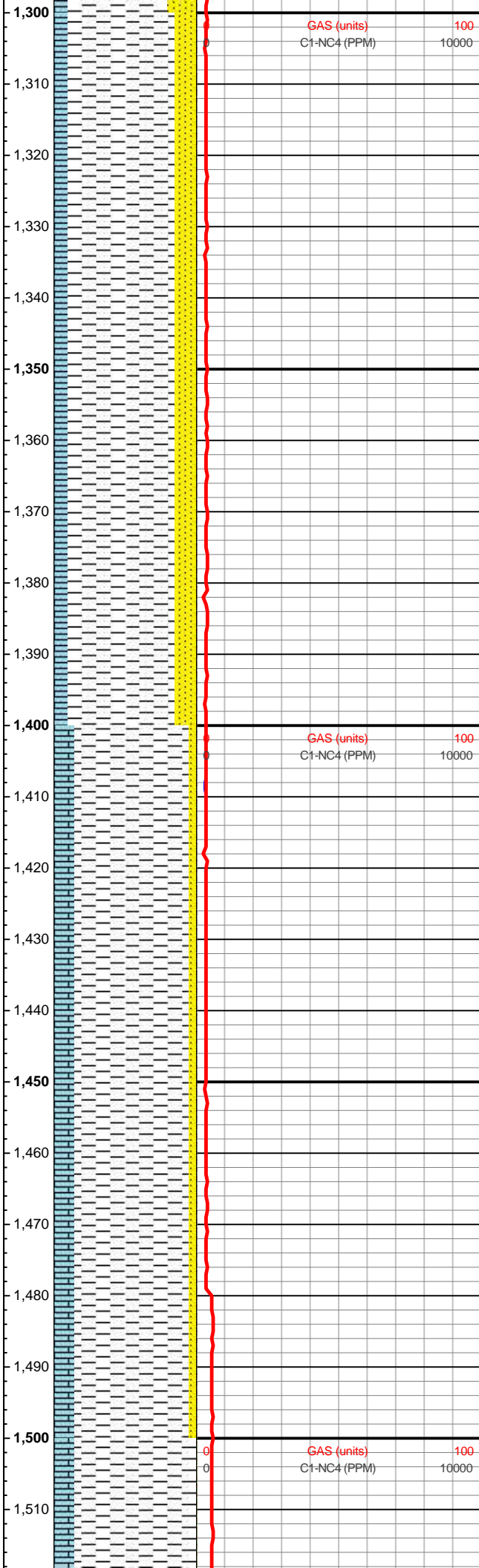
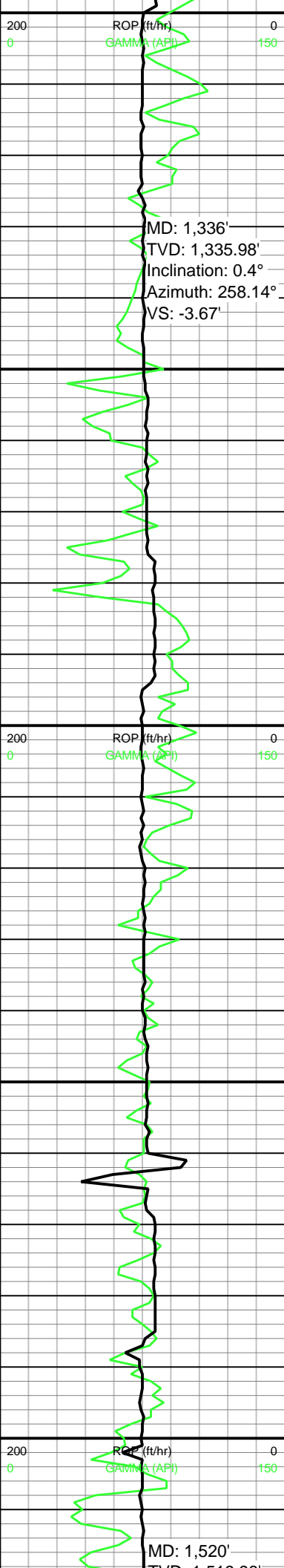
Sorting

- M MODERATE
- P POOR
- W WELL

Zone Color Coding

- Oil
- Condensate
- Gas
- Note
- Core
- Pressure
- Error
- Water
- Seal





blky, mod frm-frm, v sdy txt

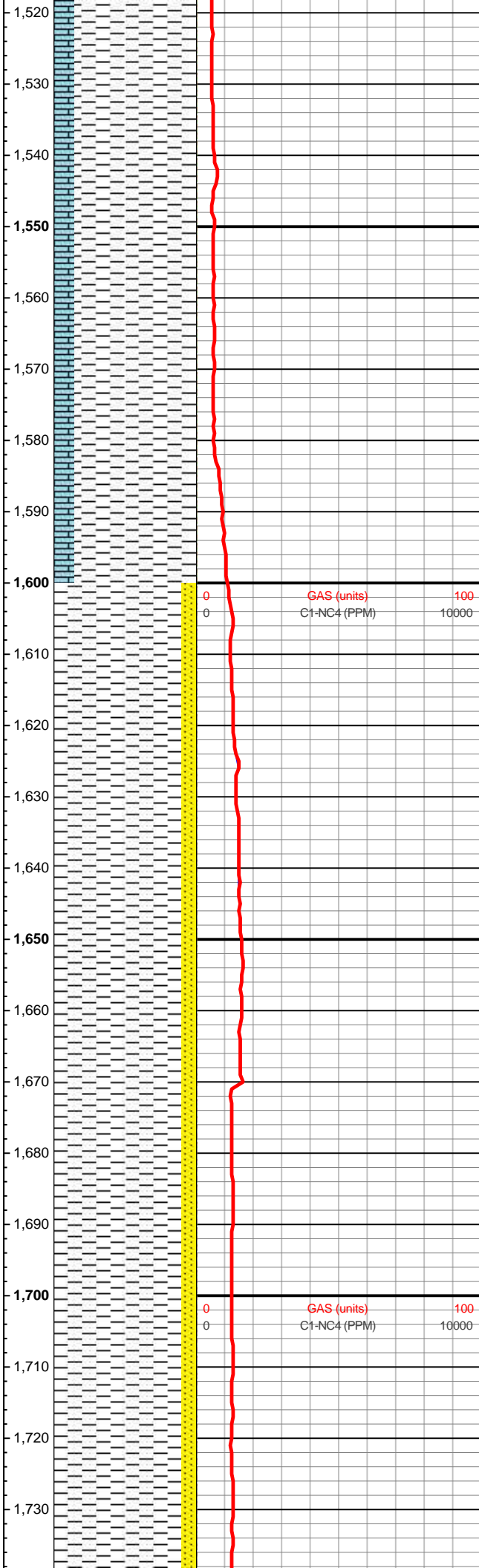
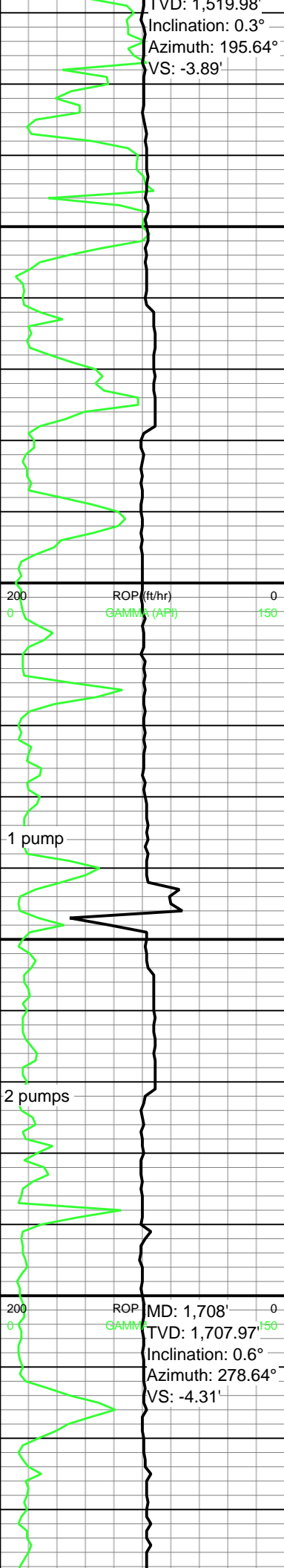
sh: red-brn-occ gy, blky-sb
blky, mod frm-frm, v sdy txt

sh: red-brn-occ gy, blky-sb
blky, mod frm-frm, v sdy txt

wob 6k
rpm 79
spm 81/80
pp1114
mw 8.5
vis 29

wob 5.8k
rpm 80
spm 80/81
pp1147
mw 8.5
vis 29

wob 21k
rpm 83
spm 81/81
pp 1250
mw 8.6
vis 28

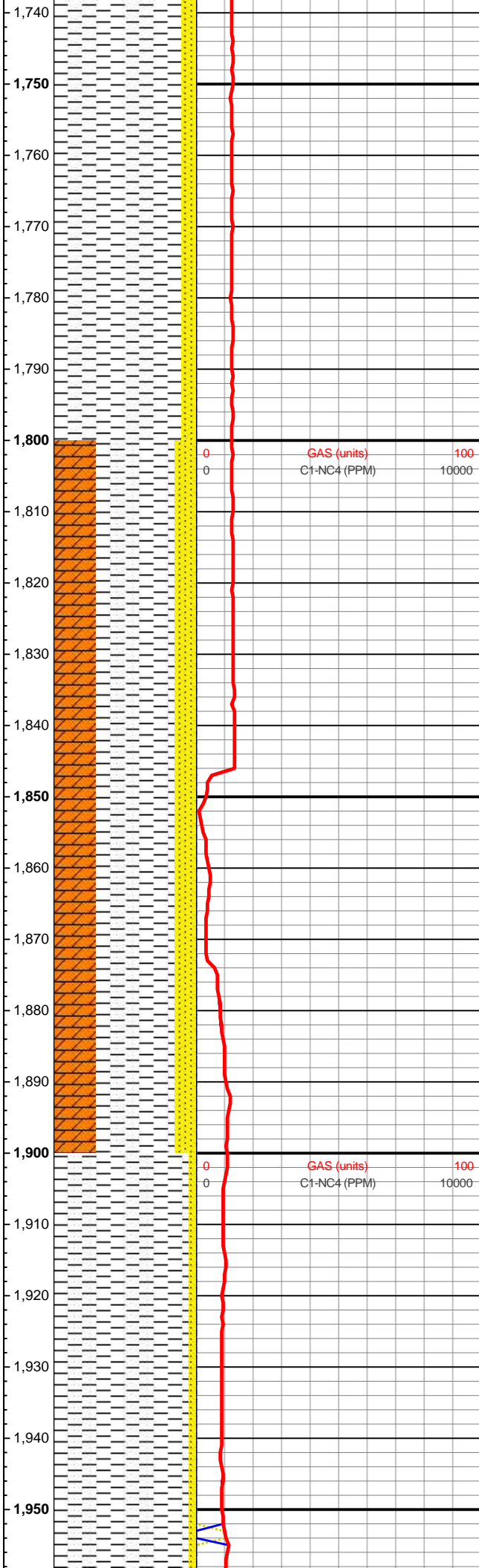
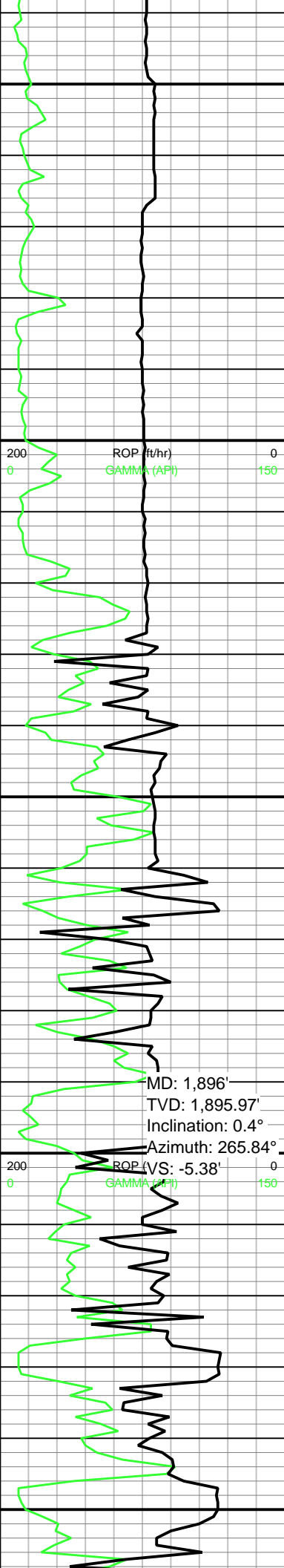


sh: lt gy-gy-red, mod
 frm-frm, blk-pty,
 slty-smth

wob 12k
 rpm 80
 spm 81/80
 pp 1300
 mw 8.6
 vis 28

sh: lt gy-gy-red, mod
 frm-frm, blk-pty,
 slty-smth

wob 10k
 rpm 80
 spm 81/80
 pp 1330
 mw 8.6
 vis 31

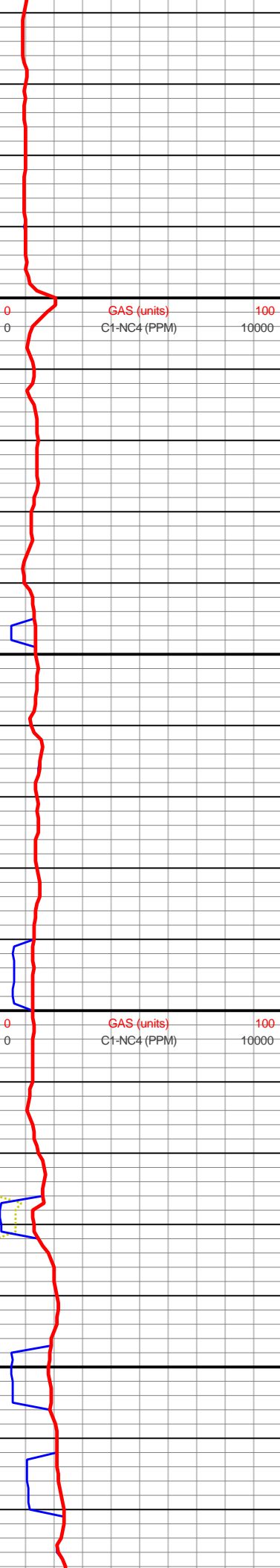
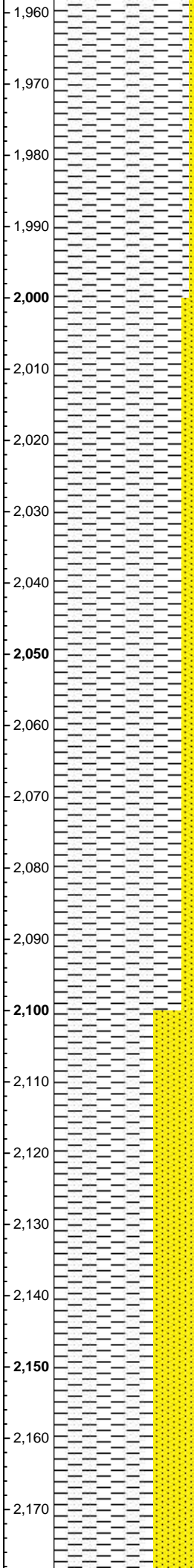
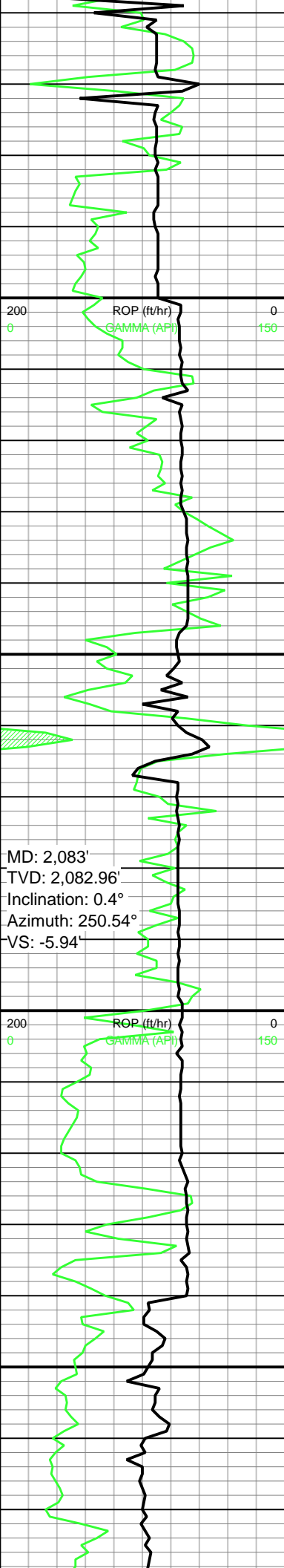


sh: lt gy-gy-red, mod
frm-frm, blk-pty,
sly-smth

wob 11k
rpm 80
spm 80/81
pp 1400
mw 9.8
vis 28

sh: lt gy-gy-red, mod
frm-hd, blk-pty, sly-smth

wob 13k
rpm 80
spm 81/81
pp 1590
mw 9.
vis 28

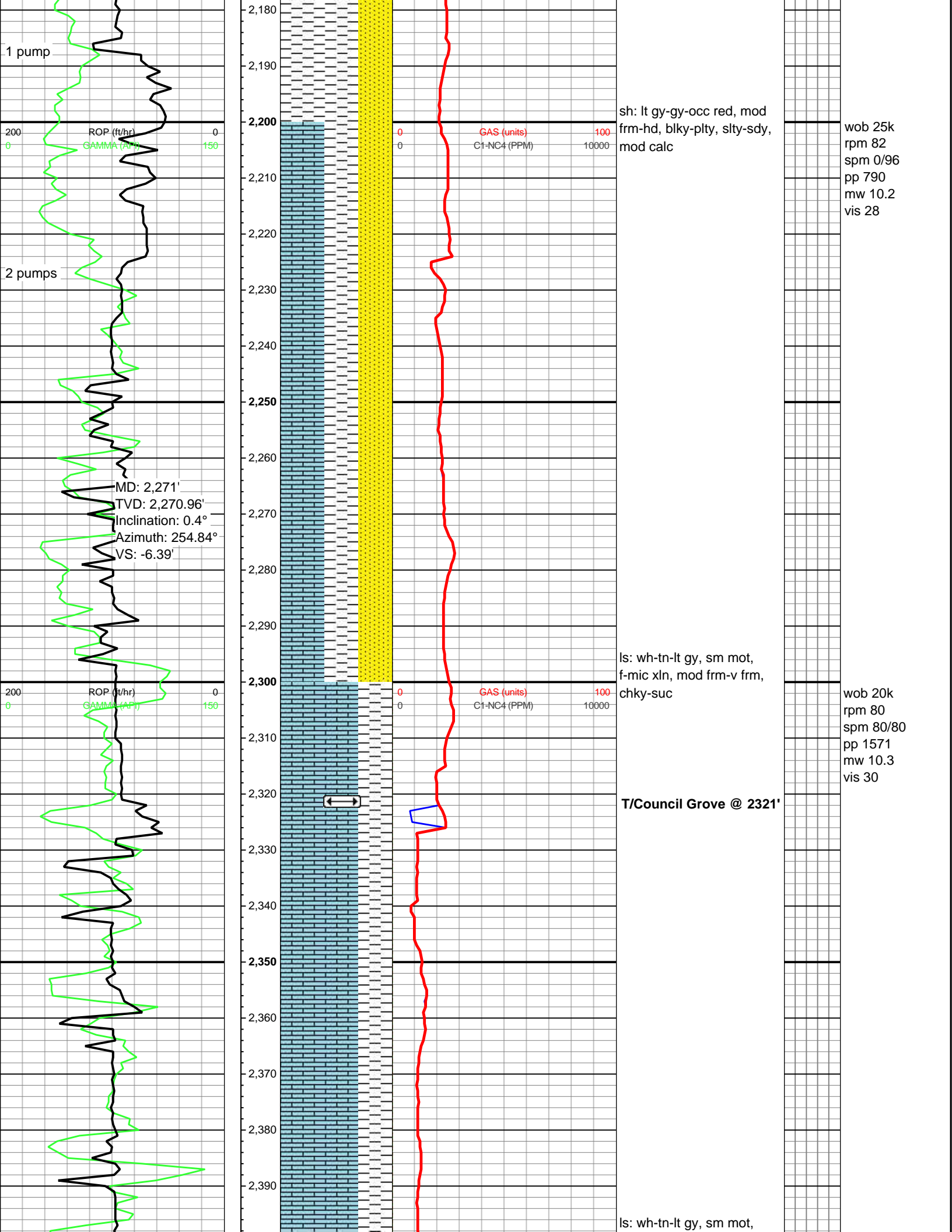


sh: lt gy-gy, mod frm-hd,
blky-plty, slty-sdy, mod
calc

sh: lt gy-gy-red, mod
frm-hd, blky-plty, slty-sdy,
sl calc

wob 13k
rpm 80
spm 71/71
pp 1220
mw 10.2
vis 28

wob 11k
rpm 80
spm 70/71
pp 1188
mw 10.2
vis 28



1 pump

2 pumps

MD: 2,271'
 TVD: 2,270.96'
 Inclination: 0.4°
 Azimuth: 254.84°
 VS: -6.39'

ROP (ft/hr) 0 150
 GAMMA (API)

GAS (units) 0 100
 C1-NC4 (PPM) 10000

sh: lt gy-gy-occ red, mod frm-hd, blkly-plty, slty-sdy, mod calc

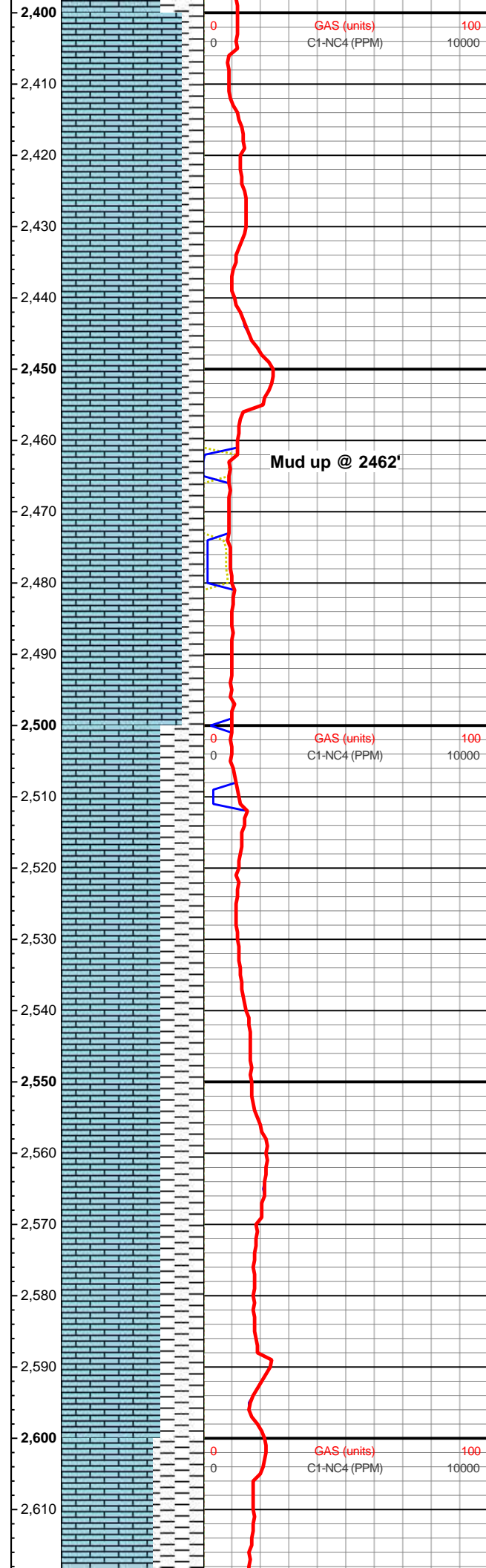
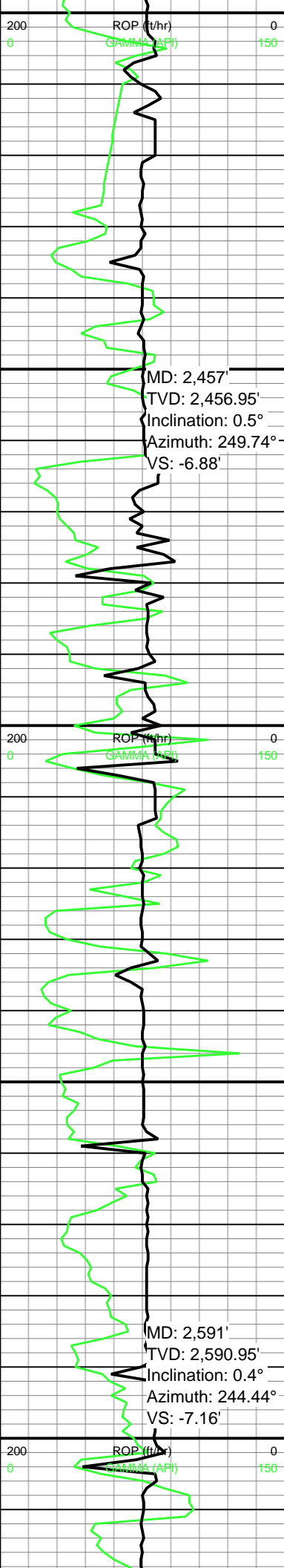
ls: wh-tn-lt gy, sm mot, f-mic xln, mod frm-v frm, chky-suc

T/Council Grove @ 2321'

ls: wh-tn-lt gy, sm mot,

wob 25k rpm 82 spm 0/96 pp 790 mw 10.2 vis 28

wob 20k rpm 80 spm 80/80 pp 1571 mw 10.3 vis 30



f-mic xln, mod frm-v frm, chky-dull

Is: wh-tn-lt gy, sm mot, mic xln, frm-v frm, chky-dull

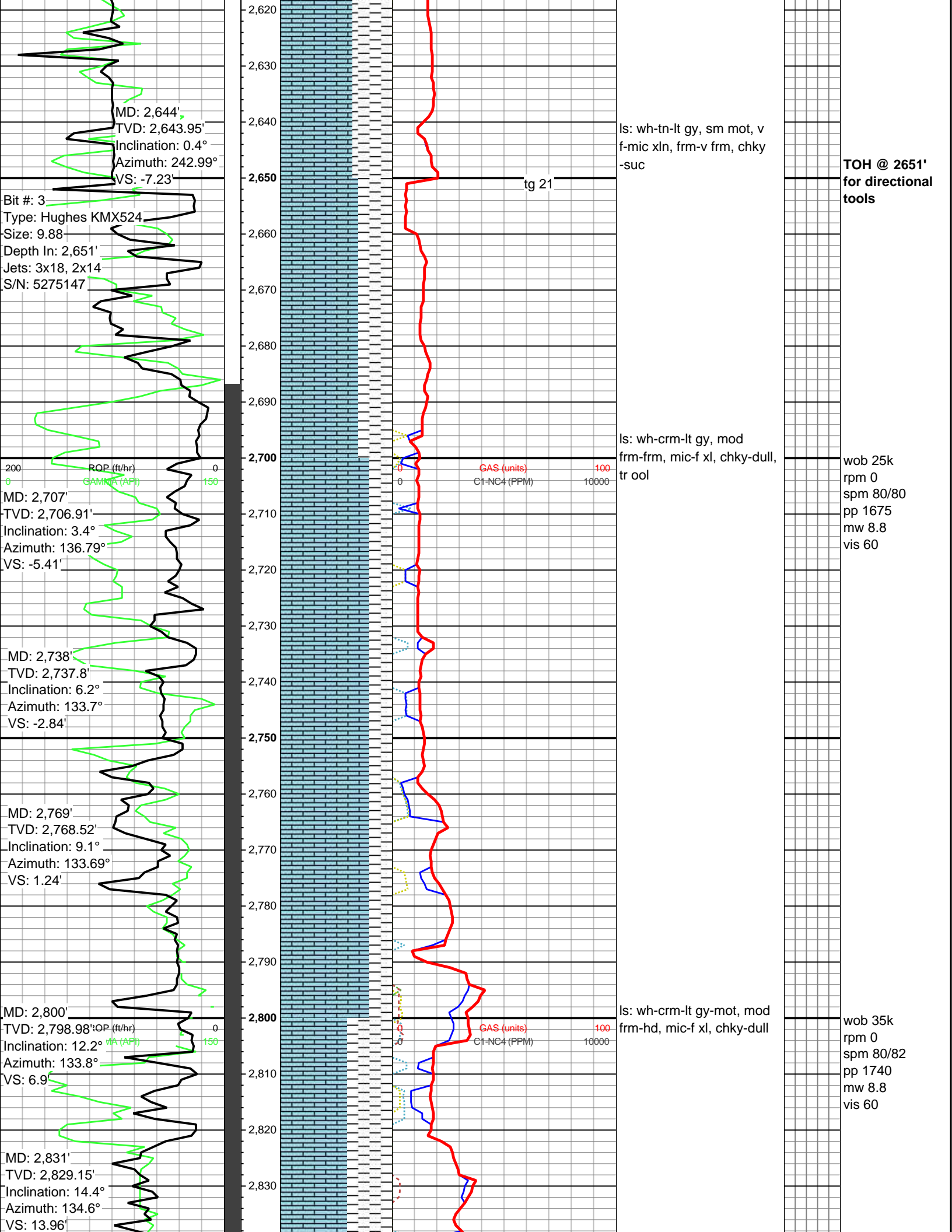
Is: wh-tn-lt gy, sm mot, v f-mic xln, frm-v frm, chky-suc

wob 25k
rpm 78
spm 80/80
pp 1729
mw 10.3
vis 30

4/3/2018

wob 15k
rpm 80
spm 80/79
pp 1423
mw 8.5
vis 52

wob 15k
rpm 80
spm 80/79
pp 1423
mw 8.5
vis 57



MD: 2,644'
 TVD: 2,643.95'
 Inclination: 0.4°
 Azimuth: 242.99°
 VS: -7.23'

Bit #: 3
 Type: Hughes KMX524
 Size: 9.88
 Depth In: 2,651'
 Jets: 3x18, 2x14
 S/N: 5275147

ls: wh-tn-lt gy, sm mot, v
 f-mic xln, frm-v frm, chky
 -suc

**TOH @ 2651'
 for directional
 tools**

tg 21

ROP (ft/hr) 0 200
 GAMMA (API) 0 150

MD: 2,707'
 TVD: 2,706.91'
 Inclination: 3.4°
 Azimuth: 136.79°
 VS: -5.41'

ls: wh-crm-lt gy, mod
 frm-frm, mic-f xl, chky-dull,
 tr ool

wob 25k
 rpm 0
 spm 80/80
 pp 1675
 mw 8.8
 vis 60

GAS (units) 0 100
 C1-NC4 (PPM) 0 10000

MD: 2,738'
 TVD: 2,737.8'
 Inclination: 6.2°
 Azimuth: 133.7°
 VS: -2.84'

MD: 2,769'
 TVD: 2,768.52'
 Inclination: 9.1°
 Azimuth: 133.69°
 VS: 1.24'

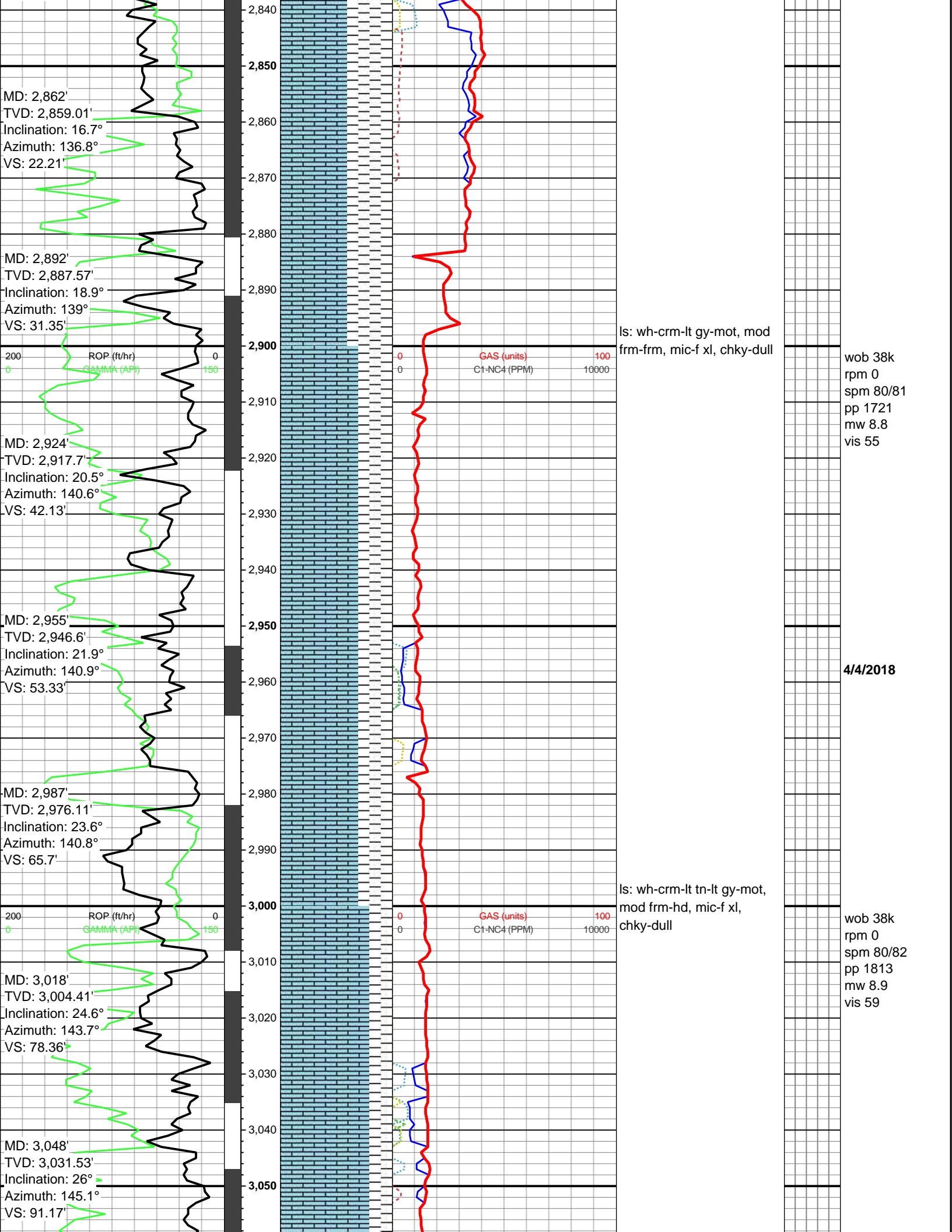
MD: 2,800'
 TVD: 2,798.98'
 Inclination: 12.2°
 Azimuth: 133.8°
 VS: 6.9'

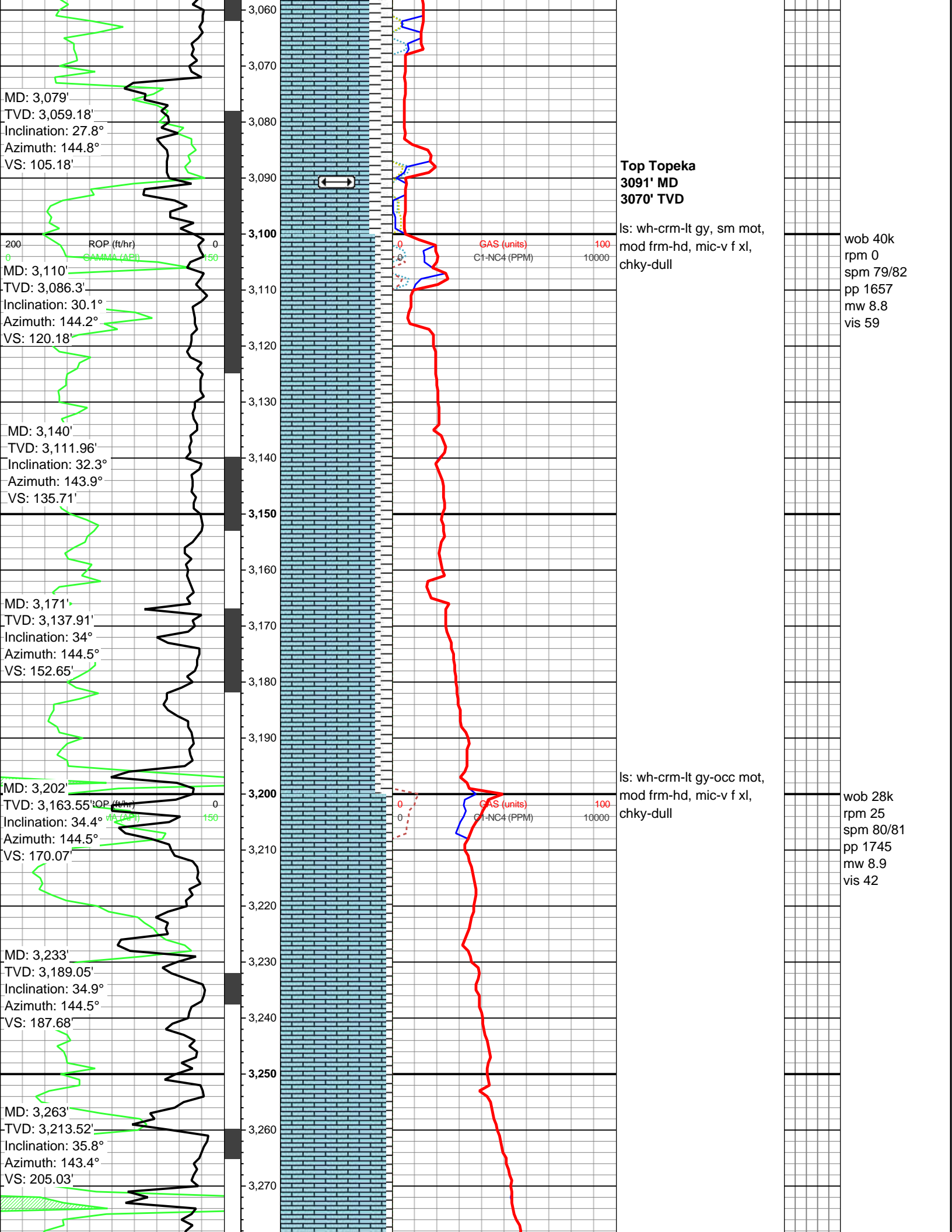
ls: wh-crm-lt gy-mot, mod
 frm-hd, mic-f xl, chky-dull

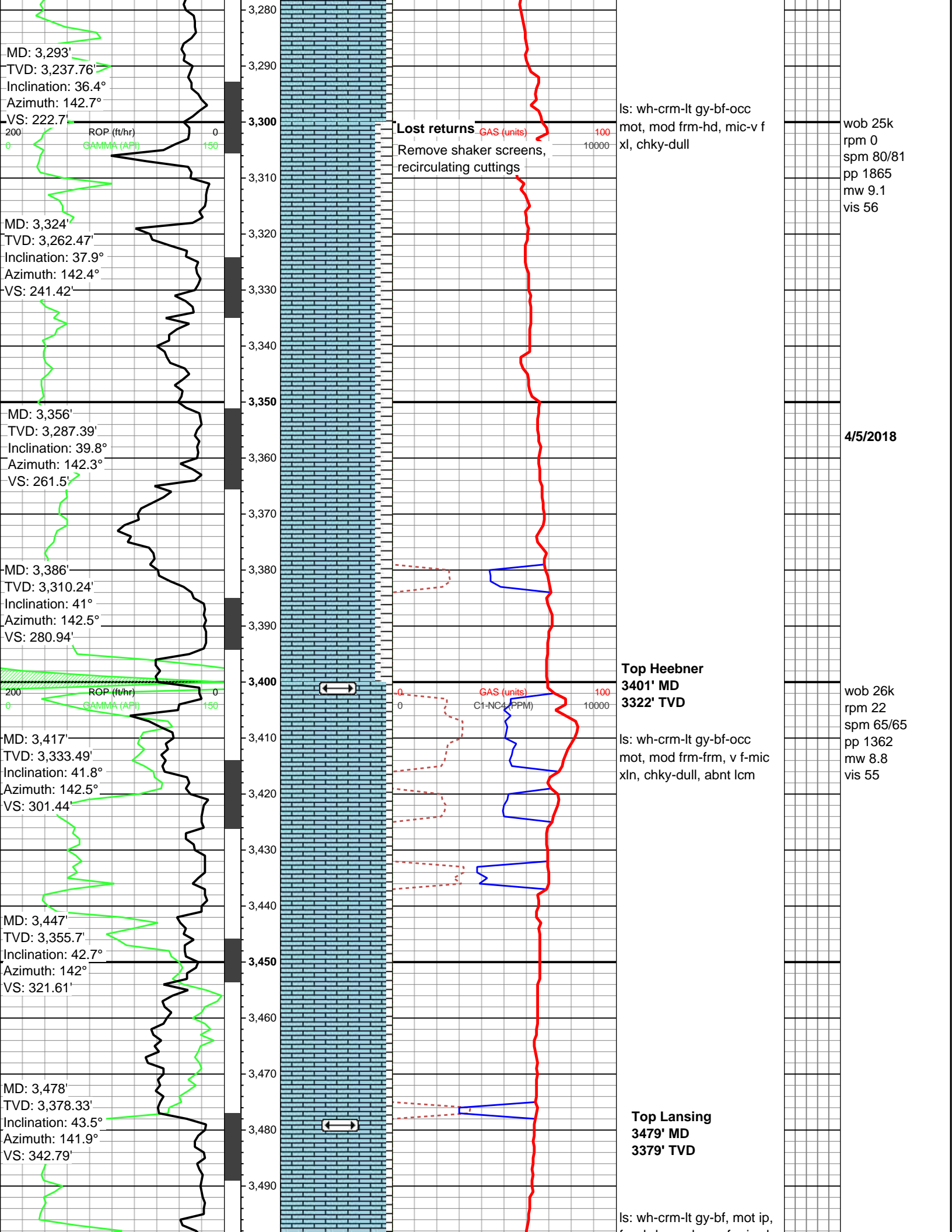
wob 35k
 rpm 0
 spm 80/82
 pp 1740
 mw 8.8
 vis 60

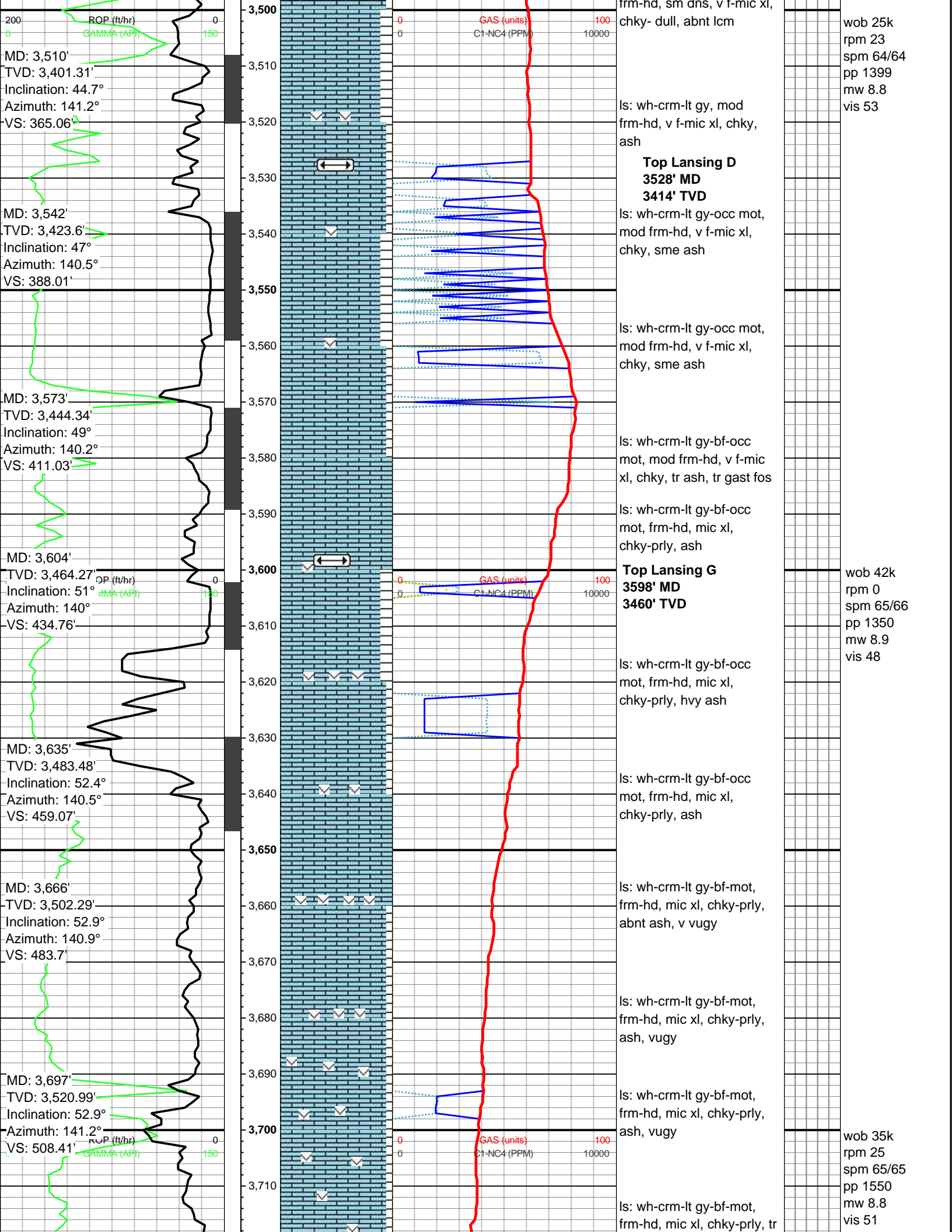
GAS (units) 0 100
 C1-NC4 (PPM) 0 10000

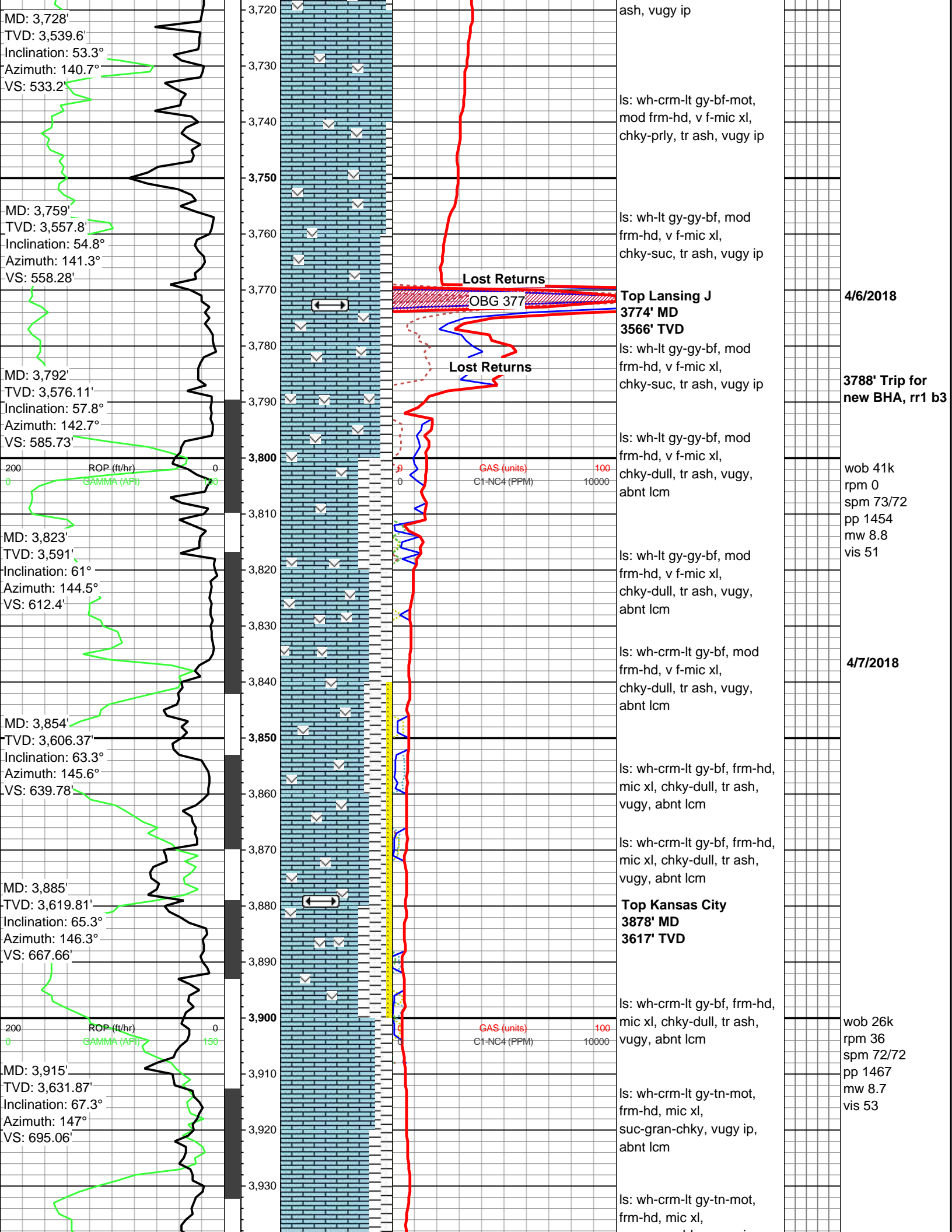
MD: 2,831'
 TVD: 2,829.15'
 Inclination: 14.4°
 Azimuth: 134.6°
 VS: 13.96'

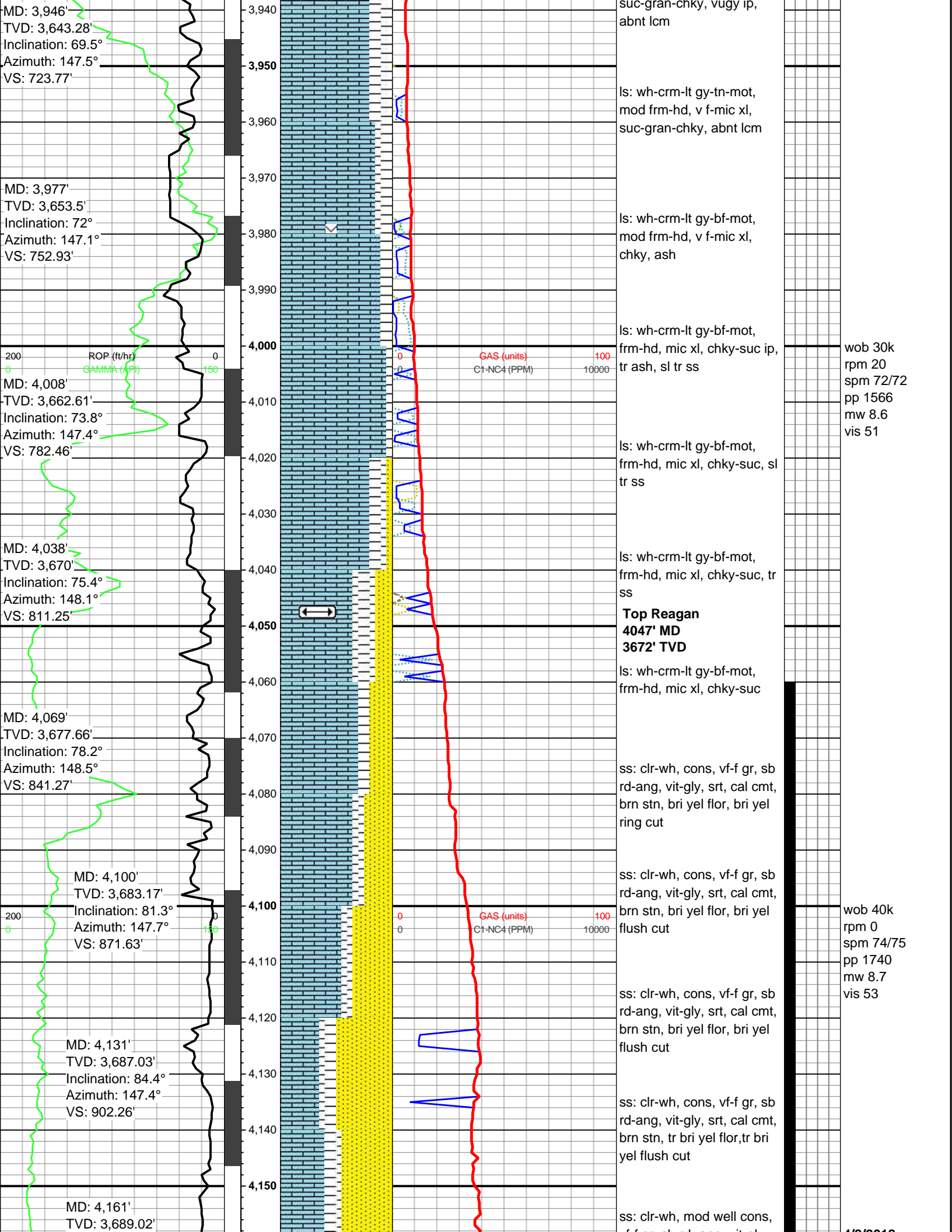


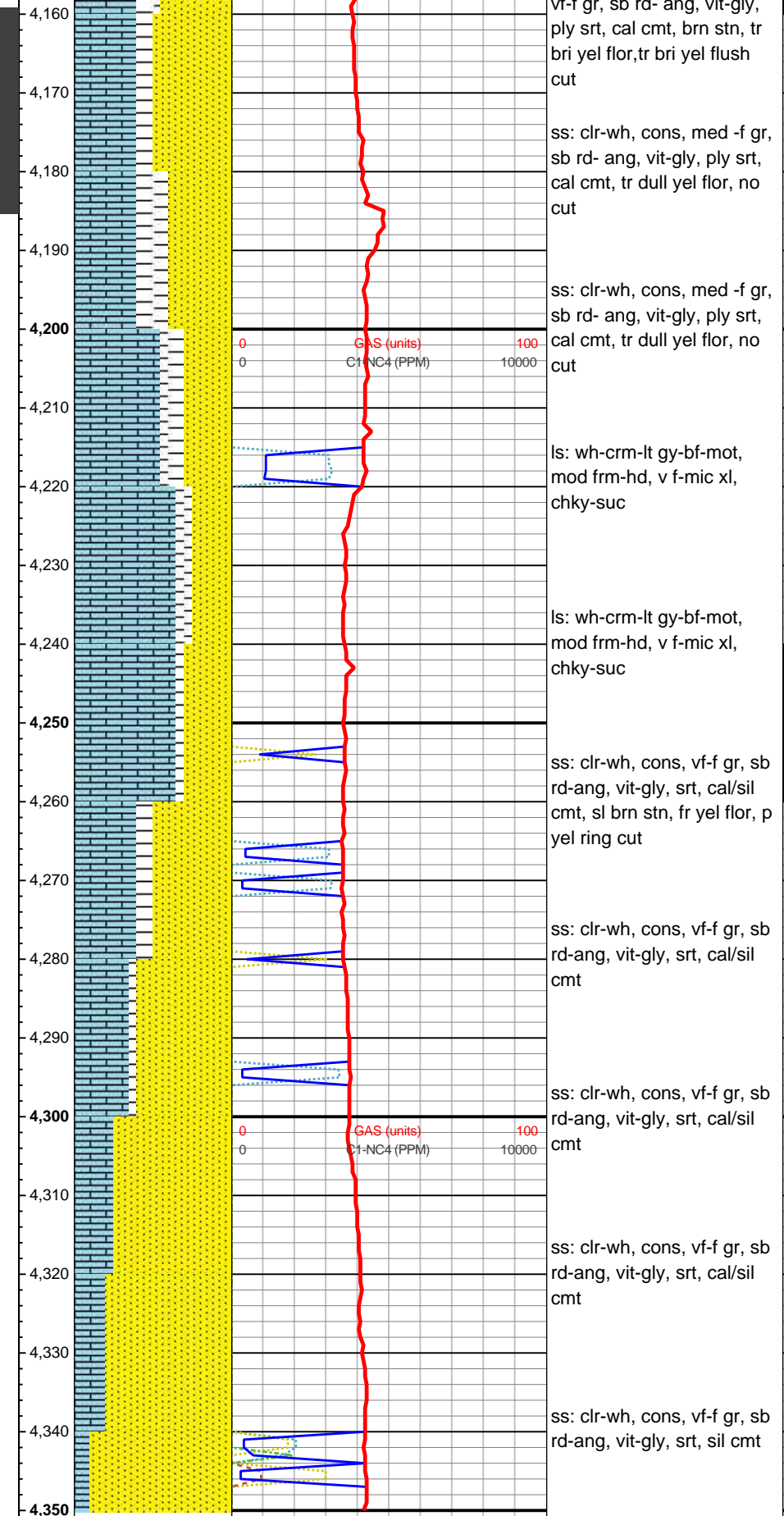
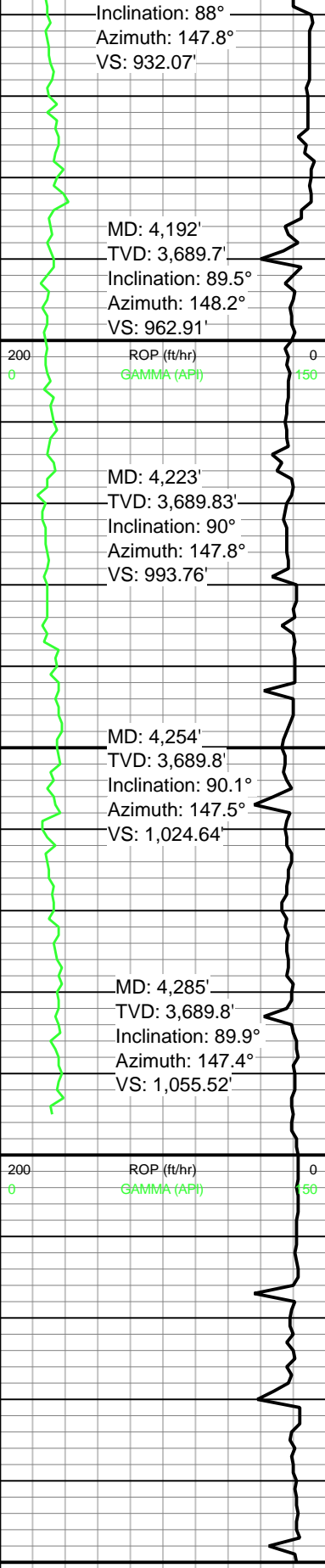












vt-r gr, sb rd- ang, vit-gly,
ply srt, cal cmt, brn stn, tr
bri yel flor, tr bri yel flush
cut

ss: clr-wh, cons, med -f gr,
sb rd- ang, vit-gly, ply srt,
cal cmt, tr dull yel flor, no
cut

ss: clr-wh, cons, med -f gr,
sb rd- ang, vit-gly, ply srt,
cal cmt, tr dull yel flor, no
cut

ls: wh-crm-lt gy-bf-mot,
mod frm-hd, v f-mic xl,
chky-suc

ls: wh-crm-lt gy-bf-mot,
mod frm-hd, v f-mic xl,
chky-suc

ss: clr-wh, cons, vf-f gr, sb
rd-ang, vit-gly, srt, cal/sil
cmt, sl brn stn, fr yel flor, p
yel ring cut

ss: clr-wh, cons, vf-f gr, sb
rd-ang, vit-gly, srt, cal/sil
cmt

ss: clr-wh, cons, vf-f gr, sb
rd-ang, vit-gly, srt, cal/sil
cmt

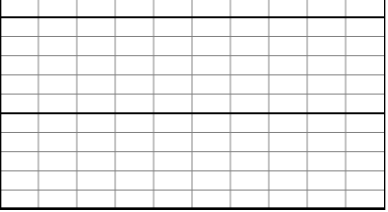
ss: clr-wh, cons, vf-f gr, sb
rd-ang, vit-gly, srt, cal/sil
cmt

ss: clr-wh, cons, vf-f gr, sb
rd-ang, vit-gly, srt, sil cmt

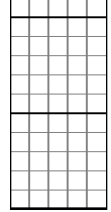
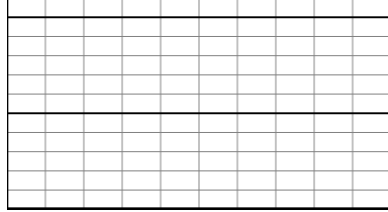
wob 26k
rpm 21
spm 74/77
pp 1917
mw 8.9
vis 55

wob 25k
rpm 25
spm 74/75
pp 1866
mw 8.7
vis 47

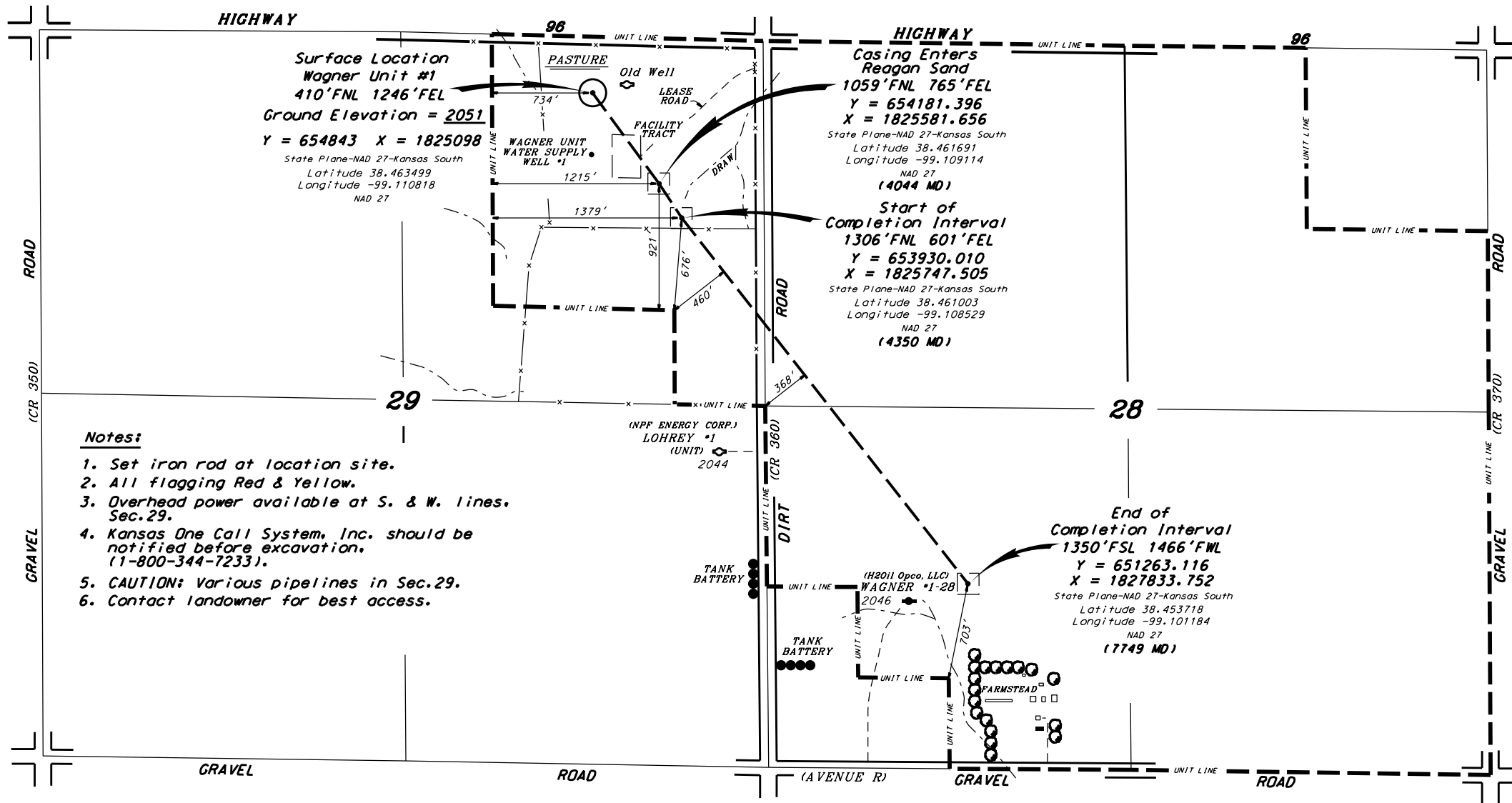
4350' Trip for 7
5/8" csg



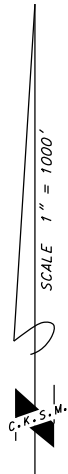
4,380
4,390
4,400



H2Oil Opco, LLC
 Wagner Unit #1-As Drilled
 Section 28 & 29, T18S, R16W
 Rush County, Kansas



* Ingress and egress to location as shown on this plot is per usage only and may not be legally opened for public use. Contact landowner, tenant and county road department for access.



* Controlling data is based upon the best maps and photographs available to us and upon a regular section of land containing 640 acres.

* Approximate section lines were determined using the normal standard of care of oilfield surveyors practicing in the state of Kansas. The section corners, which establish the precise section lines, were not necessarily located, and the exact location of the drillsite location in the section is not guaranteed. Therefore, the operator securing this service and accepting this plot and all other parties relying thereon agree to hold Central Kansas Oilfield Services, Inc., its officers and employees harmless from all losses, costs and expenses and said entities released from any liability from incidental or consequential damages.

* Elevations derived from National Geodetic Vertical Datum.

H2 Oil, LLC

**Rush County, KS
Sec 28 & 29, T18S, R16W
Wagner Unit #1**

Wellbore #1

Design: Wellbore #1

Standard Survey Report

23 April, 2018



Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| Project | Rush County, KS | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Kansas South 1502 | | |

| | | | | | |
|------------------------------|-------------------------|---------------------|-------------------|--------------------------|------------|
| Site | Sec 28 & 29, T18S, R16W | | | | |
| Site Position: | | Northing: | 654,843.00 usft | Latitude: | 38.463499 |
| From: | Map | Easting: | 1,825,098.00 usft | Longitude: | -99.110819 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | -0.38 ° |

| | | | | | | |
|-----------------------------|--------------------|---------|----------------------------|-------------------|----------------------|-------------|
| Well | Wagner Unit #1, WA | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 654,843.00 usft | Latitude: | 38.463499 |
| | +E/-W | 0.00 ft | Easting: | 1,825,098.00 usft | Longitude: | -99.110819 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 2,051.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 7/6/2017 | 4.47 | 66.17 | 51,923 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | Wellbore #1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 142.43 | |

| | | | | | |
|-----------------------|----------------|-------------------------------|------------------|--------------------|--|
| Survey Program | Date | 4/23/2018 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 135.00 | 7,749.00 | IDS MWD Surveys (Wellbore #1) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|-----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 135.00 | 0.30 | 60.70 | 135.00 | 0.17 | 0.31 | 0.05 | 0.22 | 0.22 | 0.00 | |
| First IDS MWD Survey | | | | | | | | | | |
| 255.00 | 0.10 | 83.90 | 255.00 | 0.34 | 0.69 | 0.15 | 0.18 | -0.17 | 19.33 | |
| 377.00 | 0.20 | 266.60 | 377.00 | 0.34 | 0.58 | 0.09 | 0.25 | 0.08 | -145.33 | |
| 468.00 | 0.10 | 264.80 | 468.00 | 0.32 | 0.34 | -0.05 | 0.11 | -0.11 | -1.98 | |
| 652.00 | 0.10 | 299.40 | 652.00 | 0.38 | 0.04 | -0.28 | 0.03 | 0.00 | 18.80 | |
| 837.00 | 0.50 | 9.20 | 837.00 | 1.26 | 0.03 | -0.98 | 0.26 | 0.22 | 37.73 | |
| 931.00 | 0.60 | 27.60 | 930.99 | 2.10 | 0.32 | -1.47 | 0.21 | 0.11 | 19.57 | |
| 1,023.00 | 0.40 | 22.10 | 1,022.99 | 2.83 | 0.67 | -1.83 | 0.22 | -0.22 | -5.98 | |
| 1,147.00 | 0.40 | 321.74 | 1,146.98 | 3.57 | 0.56 | -2.48 | 0.32 | 0.00 | -48.68 | |

Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 1,336.00 | 0.40 | 285.14 | 1,335.98 | 4.26 | -0.48 | -3.67 | 0.13 | 0.00 | -19.37 | |
| 1,520.00 | 0.30 | 195.64 | 1,519.98 | 3.96 | -1.23 | -3.89 | 0.27 | -0.05 | -48.64 | |
| 1,708.00 | 0.60 | 278.64 | 1,707.97 | 3.63 | -2.34 | -4.31 | 0.34 | 0.16 | 44.15 | |
| 1,896.00 | 0.40 | 265.84 | 1,895.97 | 3.74 | -3.97 | -5.38 | 0.12 | -0.11 | -6.81 | |
| 2,083.00 | 0.40 | 250.54 | 2,082.96 | 3.47 | -5.23 | -5.94 | 0.06 | 0.00 | -8.18 | |
| 2,271.00 | 0.40 | 254.84 | 2,270.96 | 3.08 | -6.48 | -6.40 | 0.02 | 0.00 | 2.29 | |
| 2,457.00 | 0.50 | 249.74 | 2,456.95 | 2.63 | -7.87 | -6.88 | 0.06 | 0.05 | -2.74 | |
| 2,591.00 | 0.40 | 244.44 | 2,590.95 | 2.22 | -8.84 | -7.16 | 0.08 | -0.07 | -3.96 | |
| 2,644.00 | 0.40 | 242.99 | 2,643.95 | 2.06 | -9.17 | -7.23 | 0.02 | 0.00 | -2.74 | |
| 2,707.00 | 3.40 | 136.79 | 2,706.91 | 0.60 | -8.09 | -5.41 | 5.61 | 4.76 | -168.57 | |
| 2,738.00 | 6.20 | 133.70 | 2,737.80 | -1.23 | -6.25 | -2.84 | 9.07 | 9.03 | -9.97 | |
| 2,769.00 | 9.10 | 133.70 | 2,768.52 | -4.08 | -3.27 | 1.24 | 9.35 | 9.35 | 0.00 | |
| 2,800.00 | 12.20 | 133.80 | 2,798.98 | -8.04 | 0.87 | 6.90 | 10.00 | 10.00 | 0.32 | |
| 2,831.00 | 14.40 | 134.60 | 2,829.15 | -13.01 | 5.98 | 13.96 | 7.12 | 7.10 | 2.58 | |
| 2,862.00 | 16.70 | 136.80 | 2,859.01 | -18.97 | 11.77 | 22.21 | 7.66 | 7.42 | 7.10 | |
| 2,892.00 | 18.90 | 139.00 | 2,887.57 | -25.78 | 17.91 | 31.35 | 7.67 | 7.33 | 7.33 | |
| 2,924.00 | 20.50 | 140.60 | 2,917.70 | -34.02 | 24.87 | 42.13 | 5.28 | 5.00 | 5.00 | |
| 2,955.00 | 21.90 | 140.90 | 2,946.60 | -42.70 | 31.96 | 53.33 | 4.53 | 4.52 | 0.97 | |
| 2,987.00 | 23.60 | 140.80 | 2,976.11 | -52.30 | 39.77 | 65.70 | 5.31 | 5.31 | -0.31 | |
| 3,018.00 | 24.60 | 143.70 | 3,004.41 | -62.31 | 47.52 | 78.36 | 5.00 | 3.23 | 9.35 | |
| 3,048.00 | 26.00 | 145.10 | 3,031.53 | -72.73 | 54.98 | 91.17 | 5.07 | 4.67 | 4.67 | |
| 3,079.00 | 27.80 | 144.80 | 3,059.18 | -84.21 | 63.03 | 105.18 | 5.82 | 5.81 | -0.97 | |
| 3,110.00 | 30.10 | 144.20 | 3,086.30 | -96.43 | 71.75 | 120.18 | 7.48 | 7.42 | -1.94 | |
| 3,140.00 | 32.30 | 143.90 | 3,111.96 | -109.01 | 80.87 | 135.71 | 7.35 | 7.33 | -1.00 | |
| 3,171.00 | 34.00 | 144.50 | 3,137.91 | -122.76 | 90.78 | 152.65 | 5.59 | 5.48 | 1.94 | |
| 3,202.00 | 34.40 | 144.50 | 3,163.55 | -136.94 | 100.90 | 170.07 | 1.29 | 1.29 | 0.00 | |
| 3,233.00 | 34.90 | 144.50 | 3,189.06 | -151.29 | 111.14 | 187.68 | 1.61 | 1.61 | 0.00 | |
| 3,263.00 | 35.80 | 143.40 | 3,213.52 | -165.32 | 121.35 | 205.03 | 3.67 | 3.00 | -3.67 | |
| 3,293.00 | 36.40 | 142.70 | 3,237.76 | -179.45 | 131.98 | 222.70 | 2.43 | 2.00 | -2.33 | |
| 3,324.00 | 37.90 | 142.40 | 3,262.47 | -194.31 | 143.36 | 241.42 | 4.87 | 4.84 | -0.97 | |
| 3,356.00 | 39.80 | 142.30 | 3,287.39 | -210.20 | 155.62 | 261.50 | 5.94 | 5.94 | -0.31 | |
| 3,386.00 | 41.00 | 142.50 | 3,310.24 | -225.61 | 167.49 | 280.94 | 4.02 | 4.00 | 0.67 | |
| 3,417.00 | 41.80 | 142.50 | 3,333.49 | -241.87 | 179.97 | 301.44 | 2.58 | 2.58 | 0.00 | |
| 3,447.00 | 42.70 | 142.00 | 3,355.70 | -257.82 | 192.32 | 321.61 | 3.20 | 3.00 | -1.67 | |
| 3,478.00 | 43.50 | 141.90 | 3,378.33 | -274.50 | 205.37 | 342.79 | 2.59 | 2.58 | -0.32 | |
| 3,510.00 | 44.70 | 141.20 | 3,401.31 | -291.94 | 219.22 | 365.06 | 4.05 | 3.75 | -2.19 | |
| 3,542.00 | 47.00 | 140.50 | 3,423.60 | -309.74 | 233.72 | 388.01 | 7.36 | 7.19 | -2.19 | |
| 3,573.00 | 49.00 | 140.20 | 3,444.34 | -327.48 | 248.42 | 411.03 | 6.49 | 6.45 | -0.97 | |
| 3,604.00 | 51.00 | 140.00 | 3,464.27 | -345.69 | 263.65 | 434.76 | 6.47 | 6.45 | -0.65 | |
| 3,635.00 | 52.40 | 140.50 | 3,483.48 | -364.40 | 279.21 | 459.07 | 4.69 | 4.52 | 1.61 | |
| 3,666.00 | 52.90 | 140.90 | 3,502.29 | -383.47 | 294.81 | 483.70 | 1.91 | 1.61 | 1.29 | |
| 3,697.00 | 52.90 | 141.20 | 3,520.99 | -402.70 | 310.36 | 508.41 | 0.77 | 0.00 | 0.97 | |
| 3,728.00 | 53.30 | 140.70 | 3,539.60 | -421.95 | 325.97 | 533.20 | 1.82 | 1.29 | -1.61 | |

Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 3,759.00 | 54.80 | 141.30 | 3,557.80 | -441.45 | 341.77 | 558.28 | 5.09 | 4.84 | 1.94 | |
| 3,792.00 | 57.80 | 142.70 | 3,576.11 | -463.09 | 358.66 | 585.73 | 9.75 | 9.09 | 4.24 | |
| 3,823.00 | 61.00 | 144.50 | 3,591.89 | -484.56 | 374.49 | 612.41 | 11.47 | 10.32 | 5.81 | |
| 3,854.00 | 63.30 | 145.60 | 3,606.37 | -507.03 | 390.19 | 639.78 | 8.06 | 7.42 | 3.55 | |
| 3,885.00 | 65.30 | 146.30 | 3,619.81 | -530.17 | 405.82 | 667.66 | 6.76 | 6.45 | 2.26 | |
| 3,915.00 | 67.30 | 147.00 | 3,631.87 | -553.12 | 420.92 | 695.06 | 7.00 | 6.67 | 2.33 | |
| 3,946.00 | 69.50 | 147.50 | 3,643.28 | -577.36 | 436.51 | 723.77 | 7.25 | 7.10 | 1.61 | |
| 3,977.00 | 72.00 | 147.10 | 3,653.50 | -601.98 | 452.32 | 752.93 | 8.16 | 8.06 | -1.29 | |
| 4,008.00 | 73.80 | 147.40 | 3,662.61 | -626.90 | 468.35 | 782.46 | 5.88 | 5.81 | 0.97 | |
| 4,038.00 | 75.40 | 148.10 | 3,670.58 | -651.36 | 483.78 | 811.25 | 5.79 | 5.33 | 2.33 | |
| 4,069.00 | 78.20 | 148.50 | 3,677.66 | -677.04 | 499.64 | 841.27 | 9.12 | 9.03 | 1.29 | |
| 4,100.00 | 81.30 | 147.70 | 3,683.17 | -702.93 | 515.76 | 871.63 | 10.32 | 10.00 | -2.58 | |
| 4,131.00 | 84.40 | 147.40 | 3,687.03 | -728.89 | 532.26 | 902.26 | 10.05 | 10.00 | -0.97 | |
| 4,161.00 | 88.00 | 147.80 | 3,689.02 | -754.16 | 548.30 | 932.06 | 12.07 | 12.00 | 1.33 | |
| 4,192.00 | 89.50 | 148.20 | 3,689.70 | -780.44 | 564.72 | 962.91 | 5.01 | 4.84 | 1.29 | |
| 4,223.00 | 90.00 | 147.80 | 3,689.83 | -806.73 | 581.15 | 993.76 | 2.07 | 1.61 | -1.29 | |
| 4,254.00 | 90.10 | 147.50 | 3,689.81 | -832.92 | 597.74 | 1,024.63 | 1.02 | 0.32 | -0.97 | |
| 4,284.00 | 89.90 | 147.40 | 3,689.81 | -858.20 | 613.88 | 1,054.52 | 0.75 | -0.67 | -0.33 | |
| 4,404.00 | 89.79 | 143.74 | 3,690.13 | -957.16 | 681.71 | 1,174.32 | 3.05 | -0.09 | -3.05 | |
| 4,435.00 | 89.88 | 143.74 | 3,690.22 | -982.16 | 700.05 | 1,205.31 | 0.29 | 0.29 | 0.00 | |
| 4,466.00 | 90.90 | 143.65 | 3,690.01 | -1,007.14 | 718.40 | 1,236.30 | 3.30 | 3.29 | -0.29 | |
| 4,496.00 | 90.99 | 143.54 | 3,689.51 | -1,031.28 | 736.21 | 1,266.29 | 0.47 | 0.30 | -0.37 | |
| 4,527.00 | 91.60 | 143.26 | 3,688.81 | -1,056.17 | 754.68 | 1,297.28 | 2.17 | 1.97 | -0.90 | |
| 4,558.00 | 91.78 | 143.26 | 3,687.90 | -1,081.00 | 773.22 | 1,328.26 | 0.58 | 0.58 | 0.00 | |
| 4,589.00 | 91.78 | 143.74 | 3,686.94 | -1,105.90 | 791.65 | 1,359.24 | 1.55 | 0.00 | 1.55 | |
| 4,619.00 | 90.50 | 143.04 | 3,686.34 | -1,129.98 | 809.54 | 1,389.23 | 4.86 | -4.27 | -2.33 | |
| 4,650.00 | 88.51 | 142.86 | 3,686.61 | -1,154.72 | 828.21 | 1,420.23 | 6.45 | -6.42 | -0.58 | |
| 4,681.00 | 88.11 | 141.63 | 3,687.52 | -1,179.22 | 847.19 | 1,451.21 | 4.17 | -1.29 | -3.97 | |
| 4,711.00 | 85.68 | 140.44 | 3,689.15 | -1,202.51 | 866.02 | 1,481.16 | 9.02 | -8.10 | -3.97 | |
| 4,742.00 | 84.31 | 138.14 | 3,691.85 | -1,225.91 | 886.16 | 1,511.99 | 8.61 | -4.42 | -7.42 | |
| 4,773.00 | 85.11 | 137.35 | 3,694.71 | -1,248.76 | 906.92 | 1,542.75 | 3.62 | 2.58 | -2.55 | |
| 4,805.00 | 86.79 | 136.16 | 3,696.97 | -1,272.01 | 928.79 | 1,574.52 | 6.43 | 5.25 | -3.72 | |
| 4,836.00 | 88.91 | 136.34 | 3,698.13 | -1,294.39 | 950.21 | 1,605.31 | 6.86 | 6.84 | 0.58 | |
| 4,867.00 | 89.88 | 135.72 | 3,698.46 | -1,316.70 | 971.73 | 1,636.12 | 3.71 | 3.13 | -2.00 | |
| 4,898.00 | 91.60 | 135.32 | 3,698.06 | -1,338.81 | 993.45 | 1,666.89 | 5.70 | 5.55 | -1.29 | |
| 4,929.00 | 92.71 | 134.84 | 3,696.89 | -1,360.75 | 1,015.32 | 1,697.61 | 3.90 | 3.58 | -1.55 | |
| 4,960.00 | 93.50 | 135.15 | 3,695.21 | -1,382.63 | 1,037.21 | 1,728.30 | 2.74 | 2.55 | 1.00 | |
| 4,991.00 | 93.11 | 136.56 | 3,693.43 | -1,404.84 | 1,058.76 | 1,759.05 | 4.71 | -1.26 | 4.55 | |
| 5,023.00 | 91.52 | 138.63 | 3,692.13 | -1,428.45 | 1,080.32 | 1,790.91 | 8.15 | -4.97 | 6.47 | |
| 5,054.00 | 91.30 | 138.06 | 3,691.37 | -1,451.60 | 1,100.92 | 1,821.82 | 1.97 | -0.71 | -1.84 | |
| 5,086.00 | 91.91 | 138.23 | 3,690.47 | -1,475.43 | 1,122.26 | 1,853.72 | 1.98 | 1.91 | 0.53 | |
| 5,117.00 | 92.31 | 137.75 | 3,689.33 | -1,498.45 | 1,143.00 | 1,884.60 | 2.01 | 1.29 | -1.55 | |
| 5,149.00 | 91.52 | 137.35 | 3,688.26 | -1,522.05 | 1,164.58 | 1,916.47 | 2.77 | -2.47 | -1.25 | |

Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 5,181.00 | 90.72 | 138.85 | 3,687.64 | -1,545.86 | 1,185.95 | 1,948.37 | 5.31 | -2.50 | 4.69 | |
| 5,212.00 | 91.38 | 139.73 | 3,687.07 | -1,569.35 | 1,206.16 | 1,979.32 | 3.55 | -2.13 | 2.84 | |
| 5,243.00 | 92.09 | 138.85 | 3,686.13 | -1,592.84 | 1,226.37 | 2,010.26 | 3.65 | 2.29 | -2.84 | |
| 5,274.00 | 93.02 | 138.45 | 3,684.75 | -1,616.09 | 1,246.83 | 2,041.16 | 3.27 | 3.00 | -1.29 | |
| 5,305.00 | 90.50 | 139.73 | 3,683.80 | -1,639.50 | 1,267.12 | 2,072.09 | 9.12 | -8.13 | 4.13 | |
| 5,337.00 | 90.19 | 139.55 | 3,683.61 | -1,663.89 | 1,287.85 | 2,104.05 | 1.12 | -0.97 | -0.56 | |
| 5,368.00 | 89.22 | 140.92 | 3,683.76 | -1,687.71 | 1,307.67 | 2,135.02 | 5.41 | -3.13 | 4.42 | |
| 5,399.00 | 88.20 | 142.33 | 3,684.46 | -1,712.01 | 1,326.91 | 2,166.01 | 5.61 | -3.29 | 4.55 | |
| 5,430.00 | 88.91 | 142.24 | 3,685.24 | -1,736.52 | 1,345.87 | 2,197.00 | 2.31 | 2.29 | -0.29 | |
| 5,461.00 | 89.79 | 142.55 | 3,685.60 | -1,761.08 | 1,364.79 | 2,228.00 | 3.01 | 2.84 | 1.00 | |
| 5,492.00 | 90.50 | 142.15 | 3,685.52 | -1,785.63 | 1,383.72 | 2,259.00 | 2.63 | 2.29 | -1.29 | |
| 5,523.00 | 90.81 | 142.33 | 3,685.16 | -1,810.13 | 1,402.70 | 2,290.00 | 1.16 | 1.00 | 0.58 | |
| 5,554.00 | 90.28 | 143.65 | 3,684.87 | -1,834.88 | 1,421.36 | 2,320.99 | 4.59 | -1.71 | 4.26 | |
| 5,585.00 | 93.20 | 144.62 | 3,683.93 | -1,859.99 | 1,439.51 | 2,351.96 | 9.92 | 9.42 | 3.13 | |
| 5,616.00 | 93.80 | 144.84 | 3,682.03 | -1,885.25 | 1,457.38 | 2,382.88 | 2.06 | 1.94 | 0.71 | |
| 5,647.00 | 92.18 | 146.03 | 3,680.42 | -1,910.75 | 1,474.94 | 2,413.79 | 6.48 | -5.23 | 3.84 | |
| 5,678.00 | 90.90 | 146.83 | 3,679.58 | -1,936.57 | 1,492.08 | 2,444.70 | 4.87 | -4.13 | 2.58 | |
| 5,709.00 | 91.78 | 148.06 | 3,678.86 | -1,962.69 | 1,508.75 | 2,475.58 | 4.88 | 2.84 | 3.97 | |
| 5,740.00 | 89.79 | 147.53 | 3,678.43 | -1,988.91 | 1,525.27 | 2,506.44 | 6.64 | -6.42 | -1.71 | |
| 5,771.00 | 88.11 | 148.24 | 3,679.00 | -2,015.17 | 1,541.75 | 2,537.29 | 5.88 | -5.42 | 2.29 | |
| 5,803.00 | 87.98 | 149.56 | 3,680.09 | -2,042.55 | 1,558.27 | 2,569.07 | 4.14 | -0.41 | 4.13 | |
| 5,834.00 | 86.21 | 147.44 | 3,681.67 | -2,068.94 | 1,574.44 | 2,599.85 | 8.90 | -5.71 | -6.84 | |
| 5,867.00 | 84.49 | 147.13 | 3,684.34 | -2,096.62 | 1,592.22 | 2,632.62 | 5.30 | -5.21 | -0.94 | |
| 5,898.00 | 84.40 | 146.43 | 3,687.34 | -2,122.43 | 1,609.12 | 2,663.39 | 2.27 | -0.29 | -2.26 | |
| 5,929.00 | 84.18 | 145.24 | 3,690.43 | -2,147.95 | 1,626.45 | 2,694.18 | 3.89 | -0.71 | -3.84 | |
| 5,960.00 | 84.89 | 144.75 | 3,693.38 | -2,173.23 | 1,644.15 | 2,725.01 | 2.78 | 2.29 | -1.58 | |
| 5,991.00 | 85.42 | 143.34 | 3,696.00 | -2,198.23 | 1,662.28 | 2,755.88 | 4.84 | 1.71 | -4.55 | |
| 6,022.00 | 86.21 | 141.85 | 3,698.26 | -2,222.79 | 1,681.06 | 2,786.80 | 5.43 | 2.55 | -4.81 | |
| 6,059.00 | 87.98 | 141.14 | 3,700.13 | -2,251.71 | 1,704.07 | 2,823.74 | 5.15 | 4.78 | -1.92 | |
| 6,090.00 | 89.40 | 139.73 | 3,700.84 | -2,275.60 | 1,723.81 | 2,854.72 | 6.45 | 4.58 | -4.55 | |
| 6,120.00 | 90.72 | 138.76 | 3,700.81 | -2,298.32 | 1,743.39 | 2,884.67 | 5.46 | 4.40 | -3.23 | |
| 6,151.00 | 90.99 | 138.23 | 3,700.35 | -2,321.53 | 1,763.93 | 2,915.59 | 1.92 | 0.87 | -1.71 | |
| 6,182.00 | 91.78 | 137.44 | 3,699.60 | -2,344.50 | 1,784.74 | 2,946.48 | 3.60 | 2.55 | -2.55 | |
| 6,212.00 | 90.59 | 136.25 | 3,698.98 | -2,366.38 | 1,805.25 | 2,976.33 | 5.61 | -3.97 | -3.97 | |
| 6,243.00 | 90.50 | 136.16 | 3,698.68 | -2,388.76 | 1,826.70 | 3,007.15 | 0.41 | -0.29 | -0.29 | |
| 6,274.00 | 89.62 | 136.03 | 3,698.65 | -2,411.09 | 1,848.20 | 3,037.96 | 2.87 | -2.84 | -0.42 | |
| 6,305.00 | 90.41 | 136.73 | 3,698.64 | -2,433.54 | 1,869.59 | 3,068.79 | 3.40 | 2.55 | 2.26 | |
| 6,337.00 | 90.99 | 137.22 | 3,698.25 | -2,456.93 | 1,891.42 | 3,100.64 | 2.37 | 1.81 | 1.53 | |
| 6,369.00 | 92.00 | 137.84 | 3,697.42 | -2,480.52 | 1,913.02 | 3,132.51 | 3.70 | 3.16 | 1.94 | |
| 6,399.00 | 92.71 | 137.53 | 3,696.19 | -2,502.69 | 1,933.20 | 3,162.38 | 2.58 | 2.37 | -1.03 | |
| 6,434.00 | 91.60 | 138.06 | 3,694.87 | -2,528.60 | 1,956.69 | 3,197.24 | 3.51 | -3.17 | 1.51 | |
| 6,465.00 | 90.99 | 138.32 | 3,694.17 | -2,551.70 | 1,977.35 | 3,228.15 | 2.14 | -1.97 | 0.84 | |
| 6,496.00 | 90.59 | 138.54 | 3,693.74 | -2,574.89 | 1,997.92 | 3,259.07 | 1.47 | -1.29 | 0.71 | |
| 6,526.00 | 90.50 | 139.03 | 3,693.46 | -2,597.45 | 2,017.69 | 3,289.01 | 1.66 | -0.30 | 1.63 | |

Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 6,557.00 | 90.90 | 139.16 | 3,693.08 | -2,620.88 | 2,037.98 | 3,319.95 | 1.36 | 1.29 | 0.42 |
| 6,588.00 | 90.67 | 140.26 | 3,692.65 | -2,644.52 | 2,058.03 | 3,350.92 | 3.62 | -0.74 | 3.55 |
| 6,620.00 | 90.50 | 140.44 | 3,692.33 | -2,669.16 | 2,078.45 | 3,382.89 | 0.77 | -0.53 | 0.56 |
| 6,650.00 | 89.79 | 141.85 | 3,692.25 | -2,692.52 | 2,097.27 | 3,412.88 | 5.26 | -2.37 | 4.70 |
| 6,681.00 | 89.88 | 142.24 | 3,692.34 | -2,716.97 | 2,116.33 | 3,443.88 | 1.29 | 0.29 | 1.26 |
| 6,712.00 | 89.88 | 141.45 | 3,692.40 | -2,741.34 | 2,135.48 | 3,474.88 | 2.55 | 0.00 | -2.55 |
| 6,743.00 | 89.79 | 141.93 | 3,692.49 | -2,765.67 | 2,154.70 | 3,505.88 | 1.58 | -0.29 | 1.55 |
| 6,775.00 | 88.69 | 141.85 | 3,692.92 | -2,790.84 | 2,174.45 | 3,537.87 | 3.45 | -3.44 | -0.25 |
| 6,806.00 | 88.29 | 141.93 | 3,693.73 | -2,815.23 | 2,193.57 | 3,568.86 | 1.32 | -1.29 | 0.26 |
| 6,837.00 | 88.82 | 141.36 | 3,694.52 | -2,839.53 | 2,212.80 | 3,599.85 | 2.51 | 1.71 | -1.84 |
| 6,869.00 | 89.40 | 142.64 | 3,695.01 | -2,864.74 | 2,232.50 | 3,631.84 | 4.39 | 1.81 | 4.00 |
| 6,900.00 | 90.19 | 143.60 | 3,695.12 | -2,889.54 | 2,251.11 | 3,662.84 | 4.01 | 2.55 | 3.10 |
| 6,931.00 | 90.41 | 144.62 | 3,694.96 | -2,914.65 | 2,269.28 | 3,693.83 | 3.37 | 0.71 | 3.29 |
| 6,962.00 | 90.72 | 144.23 | 3,694.66 | -2,939.86 | 2,287.31 | 3,724.81 | 1.61 | 1.00 | -1.26 |
| 6,993.00 | 91.38 | 144.45 | 3,694.09 | -2,965.05 | 2,305.38 | 3,755.78 | 2.24 | 2.13 | 0.71 |
| 7,024.00 | 91.12 | 144.45 | 3,693.41 | -2,990.26 | 2,323.40 | 3,786.76 | 0.84 | -0.84 | 0.00 |
| 7,055.00 | 90.50 | 145.02 | 3,692.97 | -3,015.57 | 2,341.30 | 3,817.73 | 2.72 | -2.00 | 1.84 |
| 7,086.00 | 91.21 | 146.12 | 3,692.51 | -3,041.14 | 2,358.82 | 3,848.68 | 4.22 | 2.29 | 3.55 |
| 7,117.00 | 92.09 | 145.86 | 3,691.62 | -3,066.82 | 2,376.15 | 3,879.60 | 2.96 | 2.84 | -0.84 |
| 7,149.00 | 92.31 | 146.03 | 3,690.39 | -3,093.31 | 2,394.06 | 3,911.52 | 0.87 | 0.69 | 0.53 |
| 7,180.00 | 92.62 | 144.93 | 3,689.06 | -3,118.83 | 2,411.61 | 3,942.45 | 3.68 | 1.00 | -3.55 |
| 7,212.00 | 92.62 | 143.65 | 3,687.59 | -3,144.79 | 2,430.27 | 3,974.40 | 4.00 | 0.00 | -4.00 |
| 7,243.00 | 90.90 | 143.26 | 3,686.64 | -3,169.68 | 2,448.72 | 4,005.38 | 5.69 | -5.55 | -1.26 |
| 7,274.00 | 89.40 | 143.04 | 3,686.56 | -3,194.49 | 2,467.31 | 4,036.37 | 4.89 | -4.84 | -0.71 |
| 7,305.00 | 89.48 | 143.12 | 3,686.86 | -3,219.27 | 2,485.93 | 4,067.37 | 0.36 | 0.26 | 0.26 |
| 7,336.00 | 89.88 | 144.23 | 3,687.04 | -3,244.24 | 2,504.29 | 4,098.36 | 3.81 | 1.29 | 3.58 |
| 7,367.00 | 90.41 | 143.52 | 3,686.96 | -3,269.28 | 2,522.57 | 4,129.35 | 2.86 | 1.71 | -2.29 |
| 7,398.00 | 91.60 | 144.05 | 3,686.41 | -3,294.29 | 2,540.88 | 4,160.34 | 4.20 | 3.84 | 1.71 |
| 7,429.00 | 91.12 | 143.50 | 3,685.68 | -3,319.29 | 2,559.20 | 4,191.32 | 2.35 | -1.55 | -1.77 |
| 7,460.00 | 90.81 | 143.65 | 3,685.16 | -3,344.23 | 2,577.60 | 4,222.31 | 1.11 | -1.00 | 0.48 |
| 7,491.00 | 89.48 | 141.54 | 3,685.08 | -3,368.85 | 2,596.43 | 4,253.31 | 8.05 | -4.29 | -6.81 |
| 7,522.00 | 87.58 | 141.23 | 3,685.87 | -3,393.07 | 2,615.77 | 4,284.29 | 6.21 | -6.13 | -1.00 |
| 7,553.00 | 87.98 | 140.74 | 3,687.07 | -3,417.13 | 2,635.27 | 4,315.25 | 2.04 | 1.29 | -1.58 |
| 7,583.00 | 88.60 | 140.66 | 3,687.97 | -3,440.34 | 2,654.26 | 4,345.23 | 2.08 | 2.07 | -0.27 |
| 7,615.00 | 88.11 | 140.04 | 3,688.89 | -3,464.97 | 2,674.67 | 4,377.19 | 2.47 | -1.53 | -1.94 |
| 7,645.00 | 85.82 | 138.76 | 3,690.48 | -3,487.71 | 2,694.17 | 4,407.11 | 8.74 | -7.63 | -4.27 |
| 7,676.00 | 85.29 | 140.66 | 3,692.88 | -3,511.29 | 2,714.15 | 4,437.98 | 6.35 | -1.71 | 6.13 |
| Last IDS MWD Survey | | | | | | | | | |
| 7,749.00 | 85.29 | 140.66 | 3,698.87 | -3,567.55 | 2,760.27 | 4,510.70 | 0.00 | 0.00 | 0.00 |
| Projection to TD - Wagner Unit #1 BHL | | | | | | | | | |

Survey Report



| | | | |
|------------------|-------------------------|-------------------------------------|-----------------------------|
| Company: | H2 Oil, LLC | Local Co-ordinate Reference: | Well Wagner Unit #1 |
| Project: | Rush County, KS | TVD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Site: | Sec 28 & 29, T18S, R16W | MD Reference: | KB=16 @ 2067.00ft (Duke 20) |
| Well: | Wagner Unit #1 | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM 5000.1 |

| Design Annotations | | | | |
|---------------------|---------------------|-------------------|------------|----------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 135.00 | 135.00 | 0.17 | 0.31 | First IDS MWD Survey |
| 7,676.00 | 3,692.88 | -3,511.29 | 2,714.15 | Last IDS MWD Survey |
| 7,749.00 | 3,698.87 | -3,567.55 | 2,760.27 | Projection to TD |

Checked By: _____ Approved By: _____ Date: _____