

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

| | | | | |
|---------------------|----------------------------------|--------------------|----------------|---------------------|
| Company Name | L.D. DRILLING, INC. | MARILYN DAVIS | Job Number | T549 |
| Contact | | CRAIG MEYERS #2-26 | Representative | TIM VENTERS |
| Well Name | DST #3, MISSISSIPPIAN, 4474-4484 | | Well Operator | L.D. DRILLING, INC. |
| Unique Well ID | SEC 26-17S-24W, NESS CO. KS. | | Report Date | 2016/08/09 |
| Surface Location | | | Prepared By | TIM VENTERS |
| Well License Number | | | | |
| Field | | MINER | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|----------------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST #3, MISSISSIPPIAN, 4474-4484 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2016/08/09 | Start Test Time | 13:27:00 |
| Final Test Date | 2016/08/09 | Final Test Time | 21:56:00 |

| | |
|------------|------|
| Gauge Name | 5504 |
|------------|------|

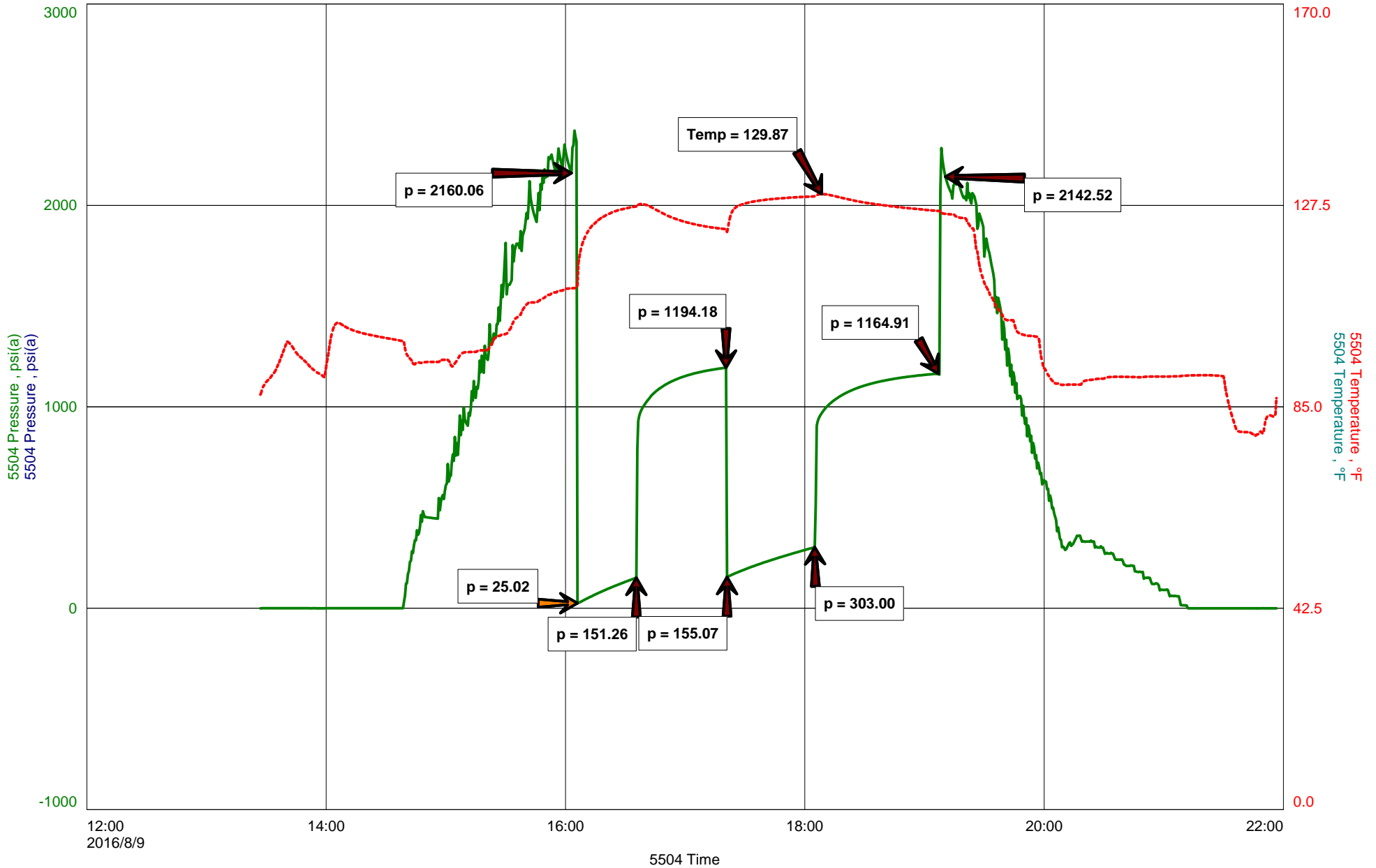
Test Results

RECOVERED: 255' GAS IN PIPE
55' GO, 1% GAS, 99% OIL, GRAVITY: 36
685' G,SMCO, 5% GAS, 93% OIL, 2% MUD
60' SO,MCW, 4% OIL, 60% WATER, 36% MUD
800' TOTAL FLUID

TOOL SAMPLE: 98% OIL, 2% MUD

CHLORIDES: 15,000 ppm
PH: 7.5
RW: .46 @ 77 deg.

CRAIG MEYERS #2-26





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 13:27
 TIME OFF: 21:56

DRILL-STEM TEST TICKET
 FILE: CRAIGMEYERS2-26DST3

Company L.D. DRILLING, INC. Lease & Well No. CRAIG MEYERS #2-26
 Contractor L.D. DRILLING, INC. RIG #1 Charge to L.D. DRILLING, INC.
 Elevation 2461 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T549
 Date 8-9-16 Sec. 26 Twp. _____ 17 S Range _____ 24 W County NESS State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative TIM VENTERS

Formation Test No. 3 Interval Tested from 4474 ft. to 4484 ft. Total Depth 4484 ft.
 Packer Depth 4469 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4474 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4455 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4481 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 8,000 P.P.M. Drill Pipe Length 4441 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 10 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 1/2 INCH BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (3 1/2" BB)
 2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 13 1/2 MIN. (NO BB)

| | |
|--|---------------|
| Recovered <u>255</u> ft. of <u>GAS IN PIPE</u> | Price Job |
| Recovered <u>55</u> ft. of <u>GO, 1% GAS, 99% OIL, GRAVITY: 36</u> | Other Charges |
| Recovered <u>685</u> ft. of <u>G,SMCO, 5% GAS, 93% OIL, 2% MUD</u> | Insurance |
| Recovered <u>60</u> ft. of <u>SO,MCW, 4% OIL, 60% WATER, 36% MUD</u> | |
| Recovered <u>800</u> ft. of <u>TOTAL FLUID</u> | Total |
| Recovered _____ ft. of <u>CHLORIDES: 15,000 ppm</u> | |
| Remarks: <u>PH: 7.5</u> | |
| <u>RW: .46 @ 77 deg.</u> | |
| <u>TOOL SAMPLE: 98% OIL, 2% MUD</u> | |

Time Set Packer(s) 4:05 PM A.M. P.M. Time Started Off Bottom 7:05 PM A.M. P.M. Maximum Temperature 130 deg.
 Initial Hydrostatic Pressure..... (A) 2160 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 151 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1194 P.S.I.
 Final Flow Period..... Minutes 45 (E) 155 P.S.I. to (F) 303 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1165 P.S.I.
 Final Hydrostatic Pressure..... (H) 2143 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.