

# DIAMOND TESTING, LLC

TESTER : TIM VENTERS  
CELL # 620-388-6333

## General Information

Company Name	IA OPERATING, INC.	Job Number	T542
Contact	JONATHAN ALLEN	Representative	TIM VENTERS
Well Name	SPRING CREEK #18-1	Well Operator	IA OPERATING, INC.
Unique Well ID	DST #2, LKC "H-J", 3766-3822	Report Date	2016/07/12
Surface Location	SEC 18-6S-25W, GRAHAM CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST #2, LKC "H-J", 3766-3822
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/07/12	Start Test Time	14:58:00
Final Test Date	2016/07/12	Final Test Time	23:18:00

Gauge Name	5504
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## Test Results

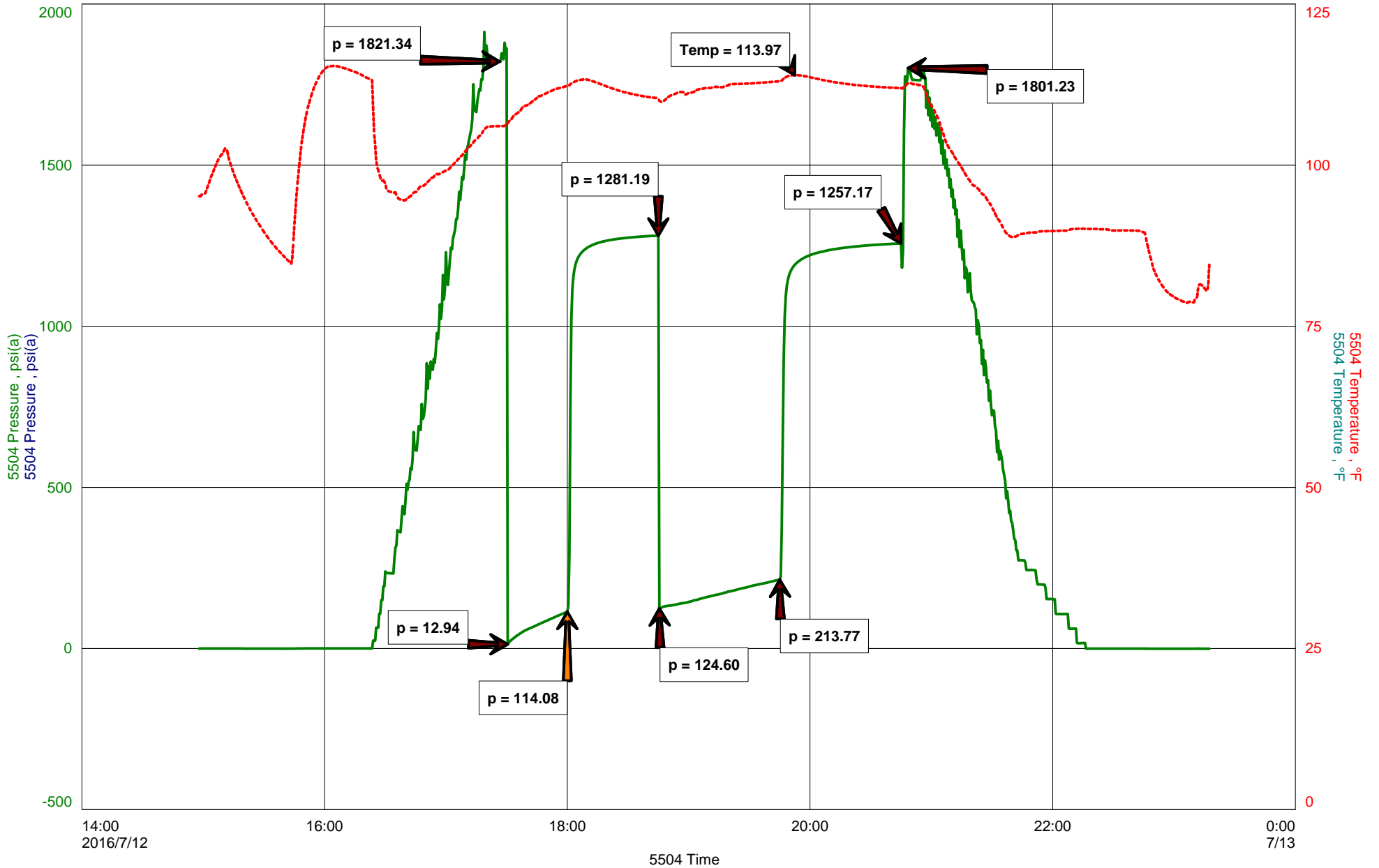
RECOVERED: 765' GAS IN PIPE  
355' GO, 2% GAS, 98% OIL, GRAVITY: 35  
185' G,HMCO, 18% GAS, 50% OIL, 32% MUD  
540' TOTAL FLUID

TOOL SAMPLE: 91% OIL, 9% MUD

IA OPERATING, INC.  
DST #2, LKC "H-J", 3766-3822  
Start Test Date: 2016/07/12  
Final Test Date: 2016/07/12

SPRING CREEK #18-1  
Formation: DST #2, LKC "H-J", 3766-3822  
Pool: WILDCAT  
Job Number: T542

# SPRING CREEK #18-1





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: SPRINGCREEK18-1DST2

TIME ON: 14:58  
TIME OFF: 23:18

Company IA OPERATING, INC. Lease & Well No. SPRING CREEK #18-1  
Contractor DISCOVERY DRILLING CO., INC. RIG #2 Charge to IA OPERATING, INC.  
Elevation 2583 KB Formation LKC "H-J" Effective Pay \_\_\_\_\_ Ft. Ticket No. T542  
Date 7-12-16 Sec. 18 Twp. \_\_\_\_\_ 6 S Range \_\_\_\_\_ 25 W County GRAHAM State KANSAS  
Test Approved By JEFF LAWLER Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 3766 ft. to 3822 ft. Total Depth 3822 ft.  
Packer Depth 3761 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3766 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3754 ft. Recorder Number 5504 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3819 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 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 311 ft. I.D. 2 7/8 in.  
Chlorides 900 P.P.M. Drill Pipe Length 3429 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 4 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 24 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>32' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 10 MIN. (WS BB)  
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 13 1/2 MIN. (3" BB)

Recovered 765 ft. of GIP  
Recovered 355 ft. of GO, 2% GAS, 98% OIL, GRAVITY: 35  
Recovered 185 ft. of G,HMCO, 18% GAS, 50% OIL, 32% MUD  
Recovered 540 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 91% OIL, 9% MUD	Total

Time Set Packer(s) 5:30 PM A.M. P.M. Time Started Off Bottom 8:45 PM A.M. P.M. Maximum Temperature 114 deg.  
Initial Hydrostatic Pressure..... (A) 1821 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 114 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1281 P.S.I.  
Final Flow Period..... Minutes 60 (E) 125 P.S.I. to (F) 214 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1257 P.S.I.  
Final Hydrostatic Pressure..... (H) 1801 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.