OPERATOR

Company: TDI, INC

> 1310 BISON ROAD Address: HAYS, KANSAS 67601

TOM DENNING Contact Geologist: Contact Phone Nbr: 785 259-3141 Well Name: STACKHOUSE # 1

> Location: NE SE SW NE API: 15-051-26,288-00-00 **WILDCAT** Pool: **WILDCAT** Field:

KANSAS State: Country: USA



1310 BISON ROAD HAYS, KANSAS 67601 (785) 628-2593

Scale 1:240 Imperial

Well Name: STACKHOUSE # 1 NE SE SW NE Surface Location: **Bottom Location:**

API:

15-051-26,288-00-00 License Number: 4787

Spud Date: 5/24/2012 Time: 2:00 PM Region: **ELLIS COUNTY** Drilling Completed: 6/1/2012 Time: 2:10 PM

Surface Coordinates: 1995' FNL & 1575' FEL

Bottom Hole Coordinates:

Ground Elevation: 2219.00ft 2229.00ft K.B. Elevation: Logged Interval: 0.00ft

To: 0.00ft

Total Depth: 3845.00ft Formation: LANSING-KANSAS CITY **Drilling Fluid Type:** Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: 1995' FNL Latitude:

N/S Co-ord: E/W Co-ord: 1575' FEL

LOGGED BY



SOLUTIONS CONSULTING Company:

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: Geologist HERB DEINES Name:

CONTRACTOR

SOUTHWIND DRILLING INC. Contractor:

Rig #:

MUD ROTARY Rig Type: Spud Date: 5/24/2012 TD Date: 6/1/2012

2:00 PM Time: Time: 2:10 PM 11:30 PM 6/1/2012 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2229.00ft Ground Elevation: 2219.00ft

K.B. to Ground: 10.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL DUE TO LOW STRUCTURE TO OFFSET DRY HOLE AND NEGATIVE RESULTS OF DST # 1. TRACES OF FLAKEY GILSONITE WERE NOTED IN THE CONGLOMERATE SECTION WITH NO FREE OIL OR ODOR. ARBUCKLE TOO LOW TO PRODUCE WITH DECISION TO ABANDON TEST IN THE CONGLOMERATE. NO OPEN HOLE LOGS WERE RAN ON THE WELL.

FORMATION TOPS SUMMARY AND DAILY ACTIVITY SUMMARY

STACKHOUSE #1 NE SE SW NE Sec.18-12s-18w 2219' GL 2229' KB

FORMATION	SAMPLE TOPS	
Anhydrite	1531+ 698	
B-Anhydrite	1565+ 664	
Topeka	3240-1011	
Heebner Shale	3473-1244	
Toronto	3500-1271	
LKC	3522-1293	
ВКС	3759-1530	
RTD	3845-1616	

5-24-12 RU, Spud, set surface casing to 213.92' w/150 sxs. Common, 2%gel,

3%CC, Slope survey 0 degree, WOC 8 hrs. Plug down 6:45PM.

5-25-12 214' rig down for holiday

5-26-12 214' rig down for holiday

5-27-12 214' finish surface work and drill plug

5-28-12 538' drilling

5-29-12 2140' drilling

5-30-12 2945' drilling, displace 2861'-2875'

5-31-12 3540', DST # 1, slope survey ½ degree

6-01-12 3710', drilling, RTD 2:10 PM, plug and abandon test

DST # 1 SUMMARY PAGE



DRILL STEM TEST REPORT

TDI, Inc. 18-12s-18w-Ellis

1310 Bison Road Stackhouse #1 Hays, KS. 67601 Job Ticket: 47803

DST#: 1

Test Start: 2012.05.31 @ 15:52:24

ATTN: Herb Deines GENERAL INFORMATION:

Formation: Deviated: Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom Hole (Initial) No

Time Tool Opened: 17:37:09 Tester: Jason McLemore

Unit No: Time Test Ended: 22:05:39

Interval: 3540.00 ft (KB) To 3611.00 ft (KB) (TVD) Reference Bevations: 2229.00 ft (KB) 3611.00 ft (KB) (TVD) Total Depth: 2222.00 ft (OF) Hole Diameter: 7.80 inchesHole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8366 Inside

121.80 psig @ 3608.00 ft (KB) Press@RunDepth: Capacity: 8000.00 psig Start Date: 2012.05.31 End Date: 2012.05.31 Last Calib.: 2012.05.31 End Time: 22:05:39 2012.05.31 @ 17:36:39 Start Time: 15:52:26 Time On Btm: Time Off Btm: 2012.05.31 @ 20:47:39

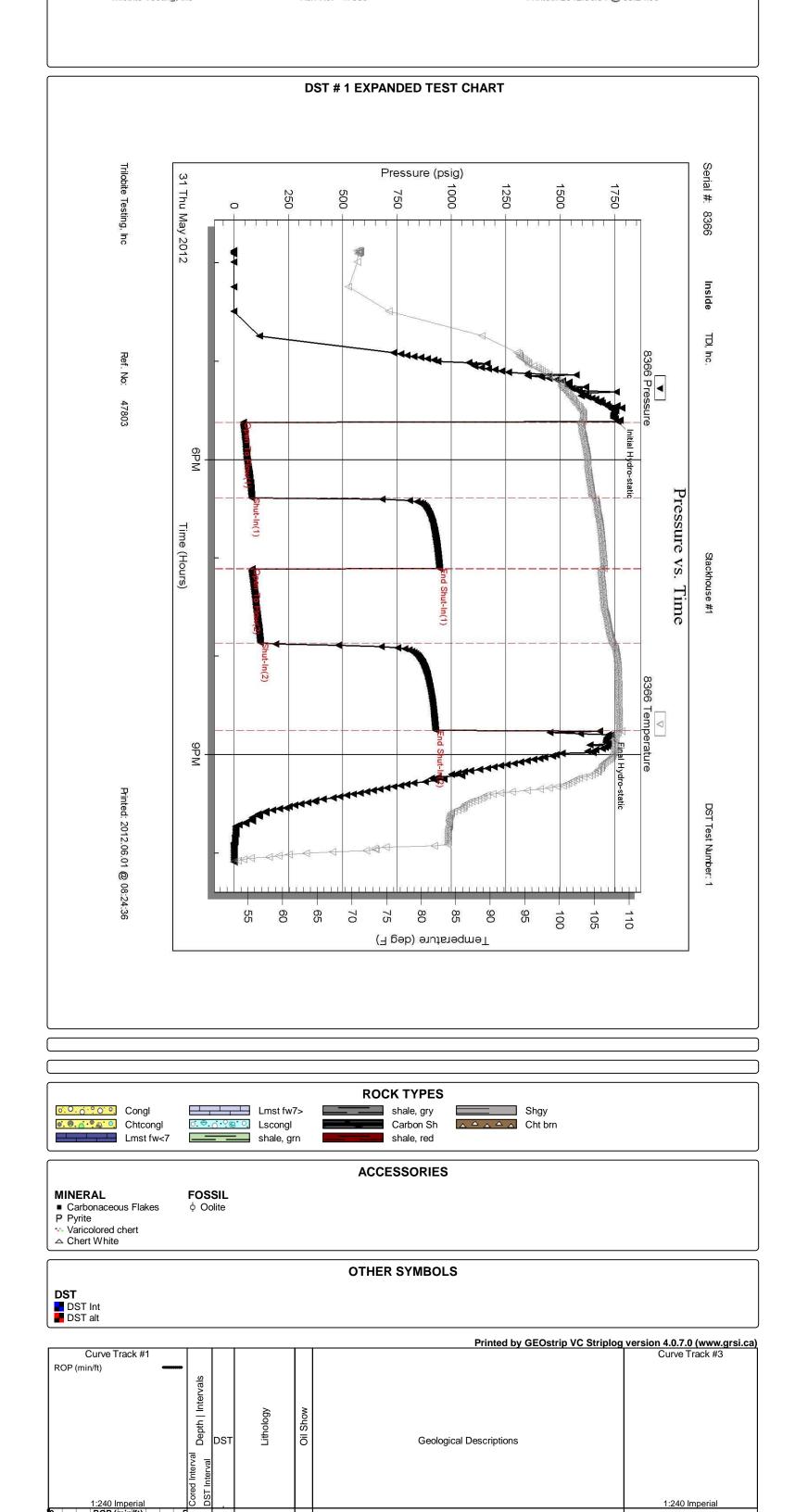
TEST COMMENT: IFP-Slid 10' Plugging Action, Built to 2-1/2" ISI-Dead

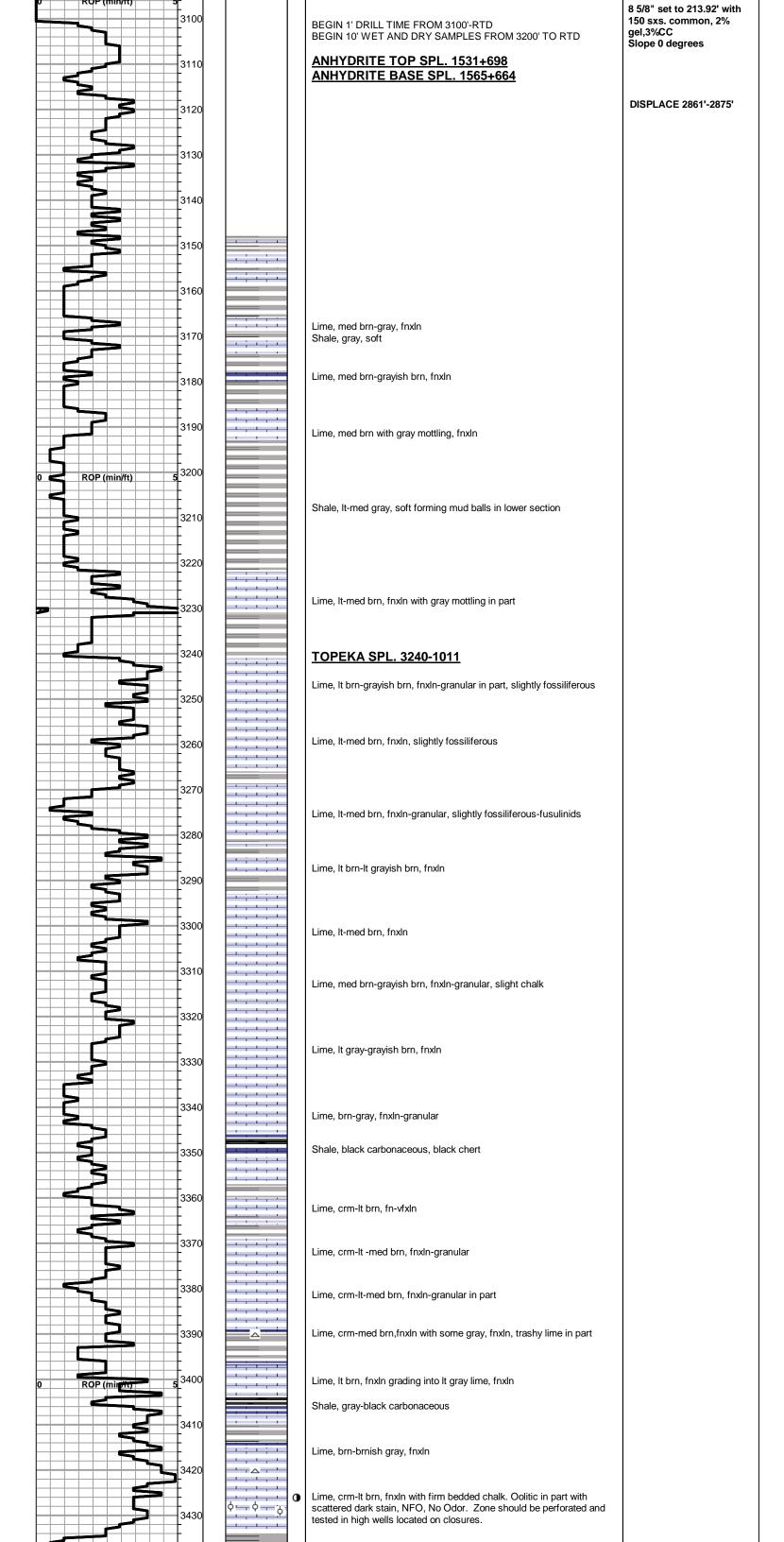
FFP-Weak Blow, Built to 3-1/4"

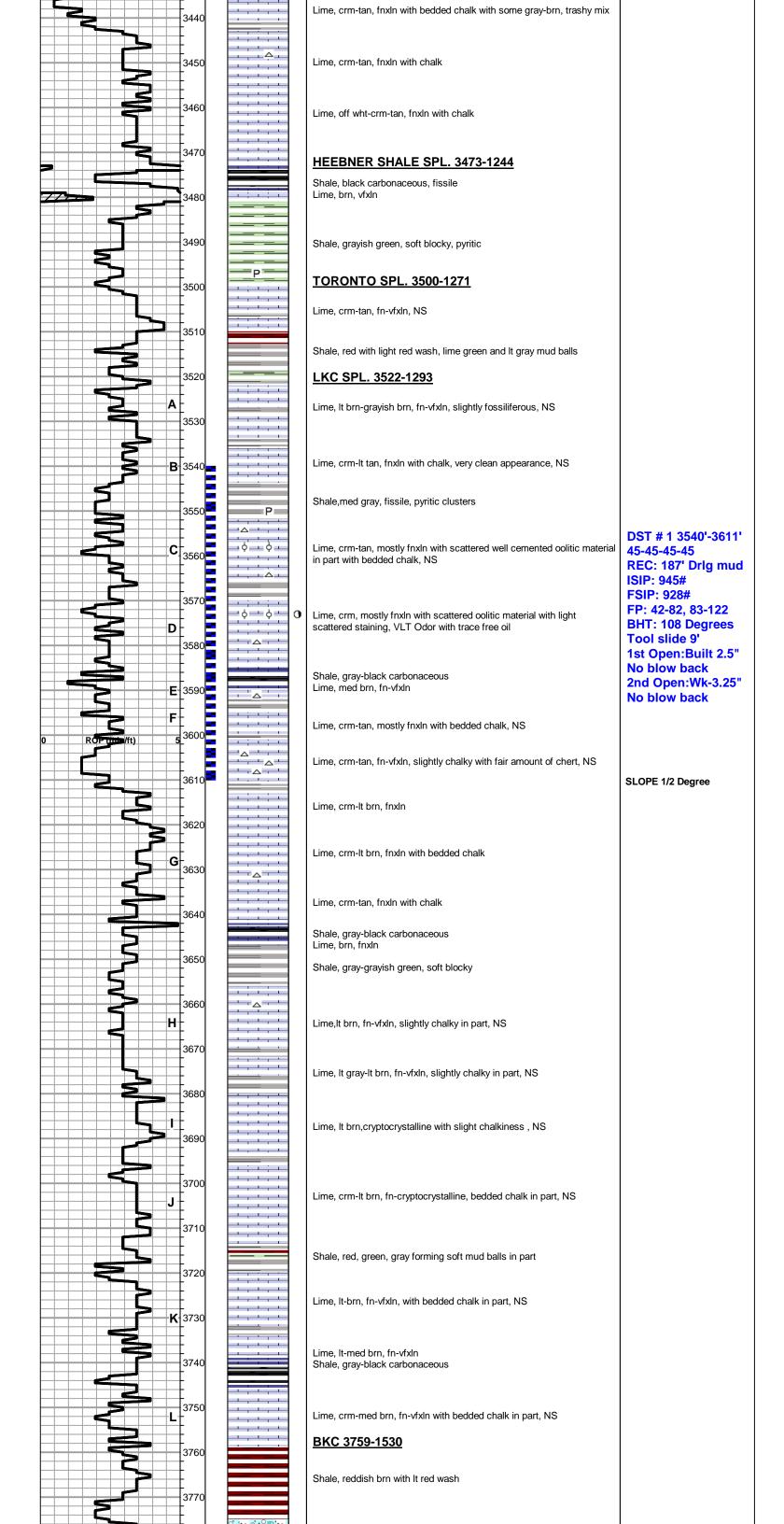
Pressure vs. Time				PRESSURE SUMMARY					
790 1900 1000 760 280 0 Thu May 2012	OFM Time (House)	110 100 100 100 100 100 100 100 100 100	Time (Min.) 0 1 47 90 90 136 189 191	Pressure (psig) 1764.03 41.87 81.65 945.42 82.96 121.80 927.74 1721.36	Temp (deg F) 103.30 102.85 104.77 106.39 105.78 107.57 108.62 108.09	Shut-In(1) End Shut- Open To Shut-In(2) End Shut-	ro-static Flow (1)) -In(1) Flow (2))		
Recovery				Gas Rates					
Length (ft)	Description	Volume (bbl)			Choke (ii	nches) Press	sure (psig)	Gas Rate (Mcf/d)	
187.00	Drilling Mud	2.62							

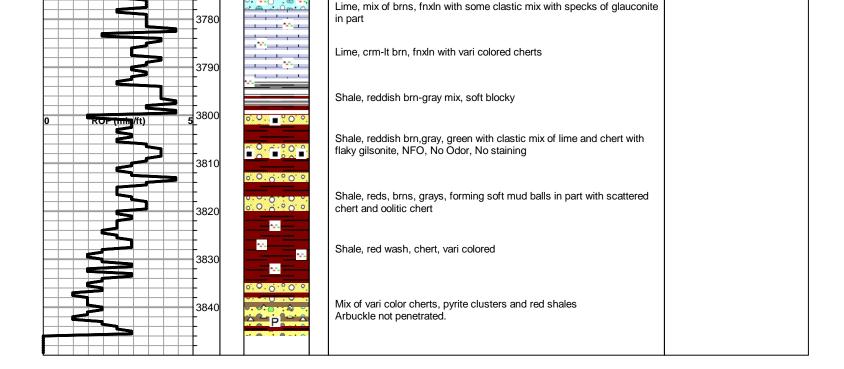
Printed: 2012 06 01 @ 08:24:35

Trilohite Testing Inc









QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

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State On Location Finish Sec. Twp. Range County 18 18 12 KANSAS Well No. Location HOVS-NTO BUCKEVERD 41 Contractor Santhustons Owner T. To Quality Oilwell Cementing, Inc. Type Job SURFACE You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Hole Size 12/4" T.D. Charge. Depth Depth Tbg. Size Depth State KANSAS, Lo760 Tool Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. Cement Amount Ordered Displace Meas Line **EQUIPMENT** No. Cementer Pumptrk# 15 Common Helper Driver Bulktrk# Poz. Mix Driver Driver Bulktrk PL Gel. Driver (**JOB SERVICES & REMARKS** Calcium Remarks: Hulls Rat Hole Salt Mouse Hole Flowseal Centralizers Kol-Seal Baskets Mud CLR 48 D/V or Port Collar CFL-117 or CD110 CAF 38 Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount Total Charge Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 675

Finish County State On Location Twp. Range Sec. Date Location Hays 11 Well No. Contractor Sorthwind #1 Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. T.D. 7845 Hole Size Depth Csg To Depth Street Tbg. Size Depth State City Tool The above was done to satisfaction and supervision of owner agent or contractor. Shoe Joint Cement Left in Csg. 40 49/Lel 1/4#Flo Cement Amount Ordered 7 Displace Meas Line EQUIPMENT Cementer Common Pumptrk Helper No. Driver Poz. Mix Bulktrk Driver Driver Gel. Bulktrk Driver (JOB SERVICES & REMARKS Calcium Hulls Remarks: Sait Rat Hole **205**/ Flowseal Mouse Hole 155K Centralizers Kol-Seal Mud CLR 48 Baskets D/V or Port Collar CFL-117 or CD110 CAF 38 Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount **X** Signature Total Charge