

OPERATOR

Company: TDI, INC
Address: 1310 BISON ROAD
HAYS, KANSAS 67601

Contact Geologist: TOM DENNING
Contact Phone Nbr: 785-628-2593
Well Name: GJ # 1
Location: S2 SE NE NE SEC.12-T12S-R19W
API: 15-051-26,833-00-00
Pool: WILDCAT
State: KANSAS

Field: UNNAMED
Country: USA



Scale 1:240 Imperial

Well Name: GJ # 1
Surface Location: S2 SE NE NE SEC.12-T12S-R19W
Bottom Location:
API: 15-051-26,833-00-00
License Number: 4787
Spud Date: 7/5/2016 Time: 8:15 AM
Region: ELLIS COUNTY
Drilling Completed: 7/10/2016 Time: 5:21 AM
Surface Coordinates: 1260' FNL & 330' FEL
Bottom Hole Coordinates:
Ground Elevation: 2117.00ft
K.B. Elevation: 2125.00ft
Logged Interval: 0.00ft To: 0.00ft
Total Depth: 3699.00ft
Formation: LANSING-KANSAS CITY
Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.3719892
Latitude: 39.0270062
N/S Co-ord: 1260' FNL
E/W Co-ord: 330' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 639-1337
Logged By: GEOLOGIST

Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.
Rig #: 3
Rig Type: MUD ROTARY
Spud Date: 7/5/2016
TD Date: 7/10/2016

Time: 8:15 AM
Time: 5:21 AM

ELEVATIONS

K.B. Elevation: 2125.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 2117.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL BASED ON LOW STRUCTURE AND NEGATIVE RESULTS OF DST # 1

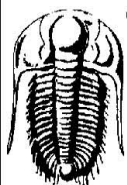
NO OPEN HOLE LOGS WERE RAN ON THIS WELL.

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

	GJ # 1	KEITH 1	STACKHOUSE # 1
	S2 SE NE NE	S2 SW SW NE	N2 SE NW
	SEC.12-12S-19W	SEC.12-12-19W	SEC.7-12-18W
	2117'GL 2125'KB	KB 2197'	KB 2179'
<u>FORMATION</u>	<u>SPL TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Anhydrite	1459 +666	+ 667	+ 685
B-Anhydrite	1492 +633	+ 627	+ 654
Topeka	3150-1025	-1031	-1005
Heebner Sh.	3379-1254	-1261	-1233
Toronto	3399-1274	-1279	-1257
LKC	3421-1296	-1303	-1279
BKC	3654-1529	-1537	-1510
Arbuckle	NOT REACHED	NR	-1563
RTD	3699-1574	-1705	-1573

SUMMARY OF DAILY ACTIVITY

7-05-16	Spud 8:15 AM, set 8 5/8" surface casing to 220' w/150 sxs 70/30 Pos 2%Gel 3%CC, slope 1/2 degree, plug down 2:00PM
7-06-16	1035', drilling
7-07-16	2330', drilling
7-08-16	3025', drilling, displaced 2969' to 3001'
7-09-16	3555', drilling, CFS 3625', short trip, DST #1 3530' to 3625' "H" to "K" LKC, TIWB, drilling
7-10-16	3699', drilling, RTD 3699' @ 5:21AM, P&A, no logs, LDDP, RD



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TDI, Inc

1310 Bison Rd.
Hays Ks 67601-9696

ATTN: Tom Denning , Herb D

12-12s-19w Ellis

GJ #1

Job Ticket: 65473

DST#: 1

Test Start: 2016.07.09 @ 16:20:45

GENERAL INFORMATION:

Formation: **LKC H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:11:55

Time Test Ended: 22:43:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3530.00 ft (KB) To 3625.00 ft (KB) (TVD)

Total Depth: 3625.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2125.00 ft (KB)

2117.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 40.22 psig @ 3536.00 ft (KB)

Start Date: 2016.07.09

End Date:

2016.07.09

Start Time: 16:20:45

End Time:

22:43:39

Capacity: 8000.00 psig

Last Calib.: 2016.07.09

Time On Btm: 2016.07.09 @ 18:09:25

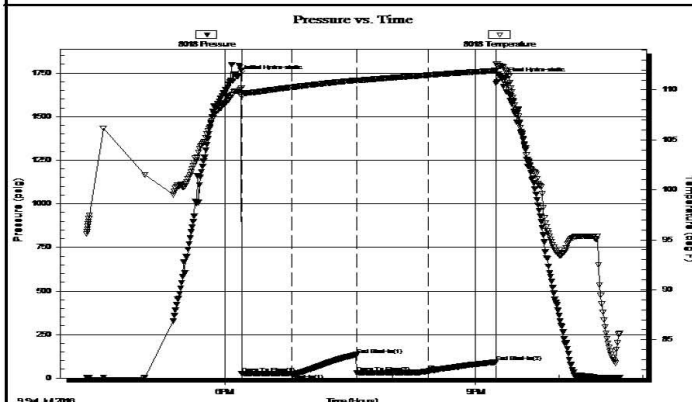
Time Off Btm: 2016.07.09 @ 21:18:09

TEST COMMENT: 45-IFP-w k bl thru-out 1/2"to 1"bl

45-ISIP-no bl

45-FFP-no bl

45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.83	109.85	Initial Hydro-static
3	25.60	109.35	Open To Flow (1)
39	26.13	110.26	Shut-In(1)
85	134.31	110.96	End Shut-In(1)
86	30.25	110.94	Open To Flow (2)
137	40.22	111.49	Shut-In(2)
185	91.75	111.93	End Shut-In(2)
189	1719.24	112.38	Final Hydro-static

Recovery

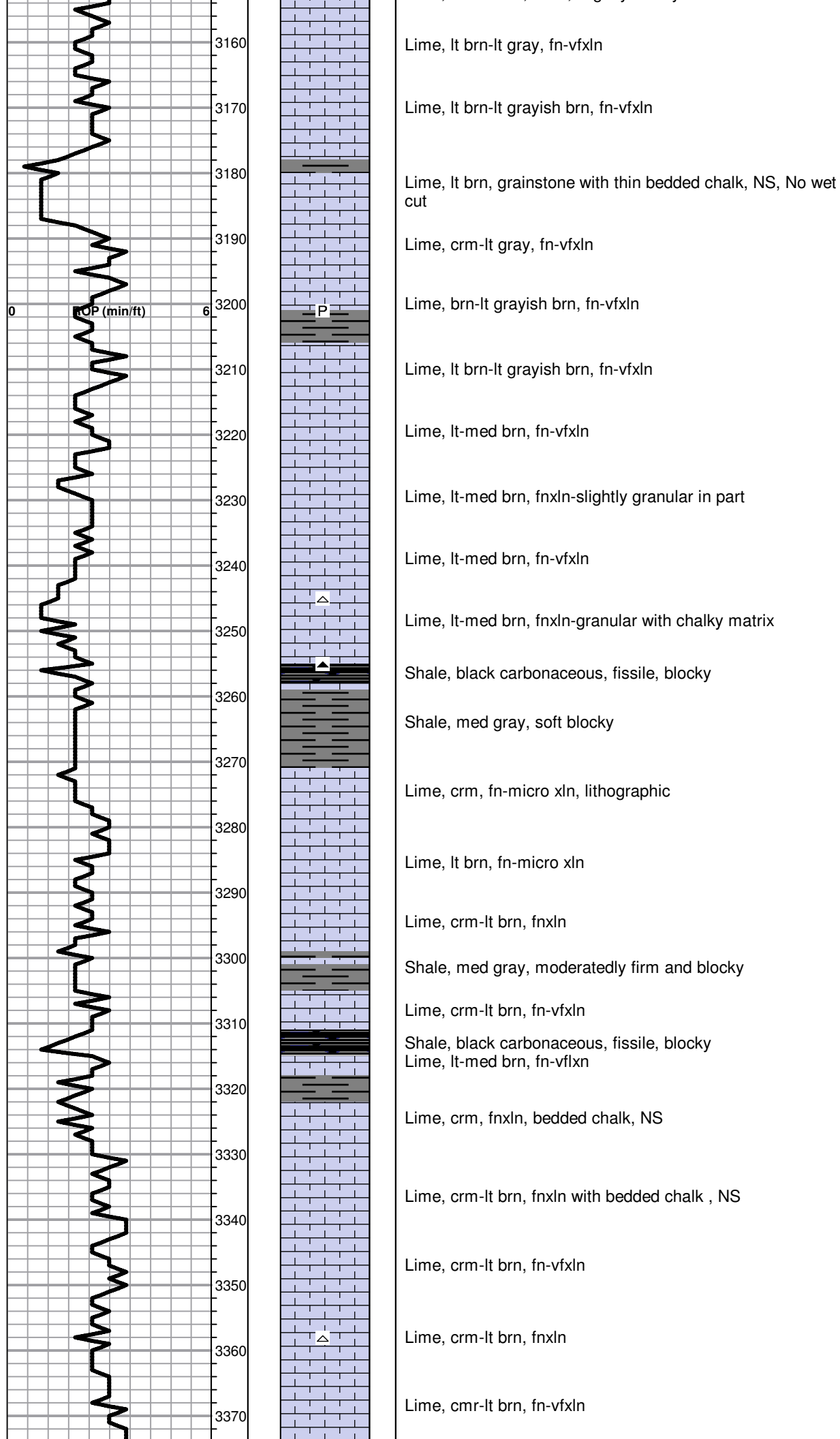
Length (ft)	Description	Volume (bbl)
5.00	OO	0.07
20.00	OCM 15%O85%M	0.28

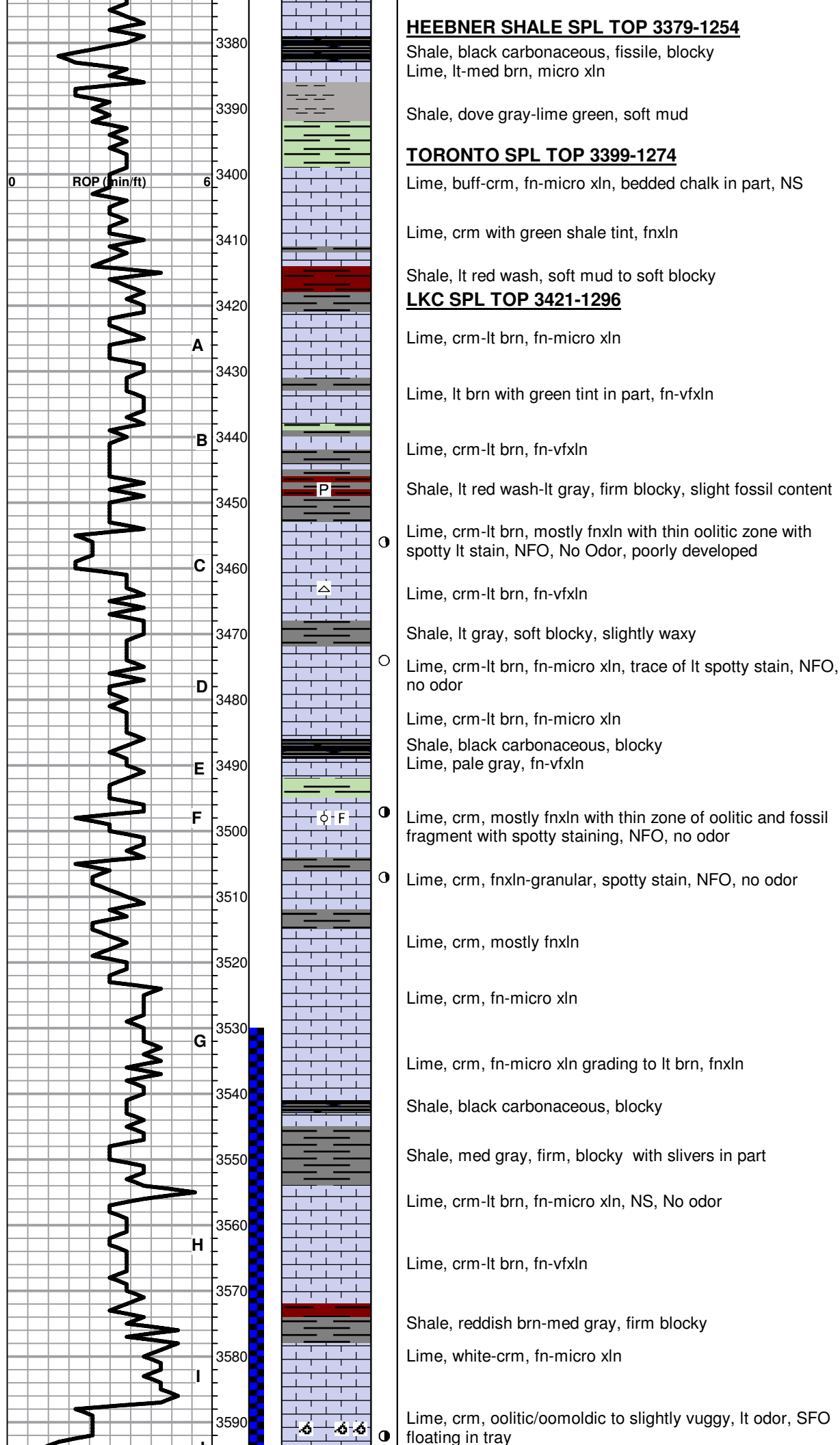
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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ACCESSORIES

MINERAL ▲ Chert, dark P Pyrite △ Chert White	FOSSIL F Fossils < 20% ○ Oolite ⊗ Oomoldic
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DST # 1 3530' TO 3625' SEE
HEADER FOR TEST
SUMMARY

