



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pickrell Drig Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49511

DST#: 1

ATTN: Larry Richardson/ St

Test Start: 2012.12.05 @ 18:47:38

GENERAL INFORMATION:

Formation: **Dennis**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:01:08

Time Test Ended: 03:46:53

Interval: **3370.00 ft (KB) To 3386.00 ft (KB) (TVD)**

Total Depth: **3406.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Straddle (Initial)**

Tester: **Chris Staats**

Unit No: **47**

Reference Elevations: **1584.00 ft (KB)**

1574.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6755**

Outside

Press@RunDepth: **38.81 psig @ 3371.00 ft (KB)**

Start Date: **2012.12.05**

End Date:

2012.12.06

Start Time: **18:47:38**

End Time:

03:46:53

Capacity: **8000.00 psig**

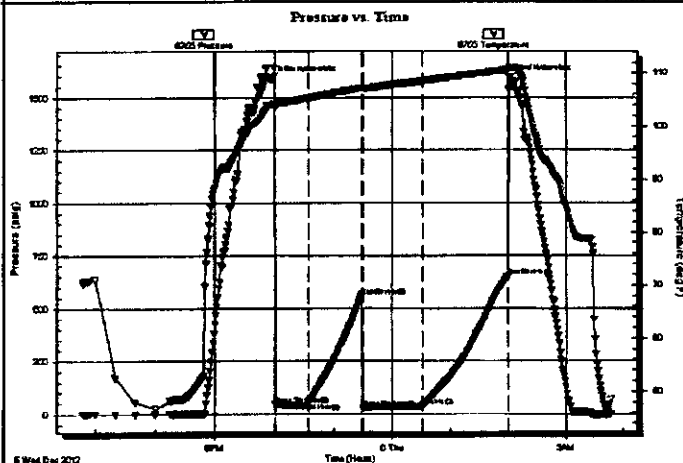
Last Calib.:

2012.12.06

Time On Btm: **2012.12.05 @ 21:57:23**

Time Off Btm: **2012.12.06 @ 02:01:38**

TEST COMMENT: IF: Strong blow BOB 12 min
IS: No blow back
FF: Strong blow BOB 10 sec
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.79	104.05	Initial Hydro-static
4	48.71	104.00	Open To Flow (1)
37	50.46	105.32	Shut-In(1)
91	555.72	107.22	End Shut-In(1)
94	28.06	107.03	Open To Flow (2)
154	38.81	108.53	Shut-In(2)
243	650.78	110.59	End Shut-In(2)
245	1591.65	110.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	W,O,G,M 10%w water 20%gas 20%oil 50%0.15	

Gas Rates

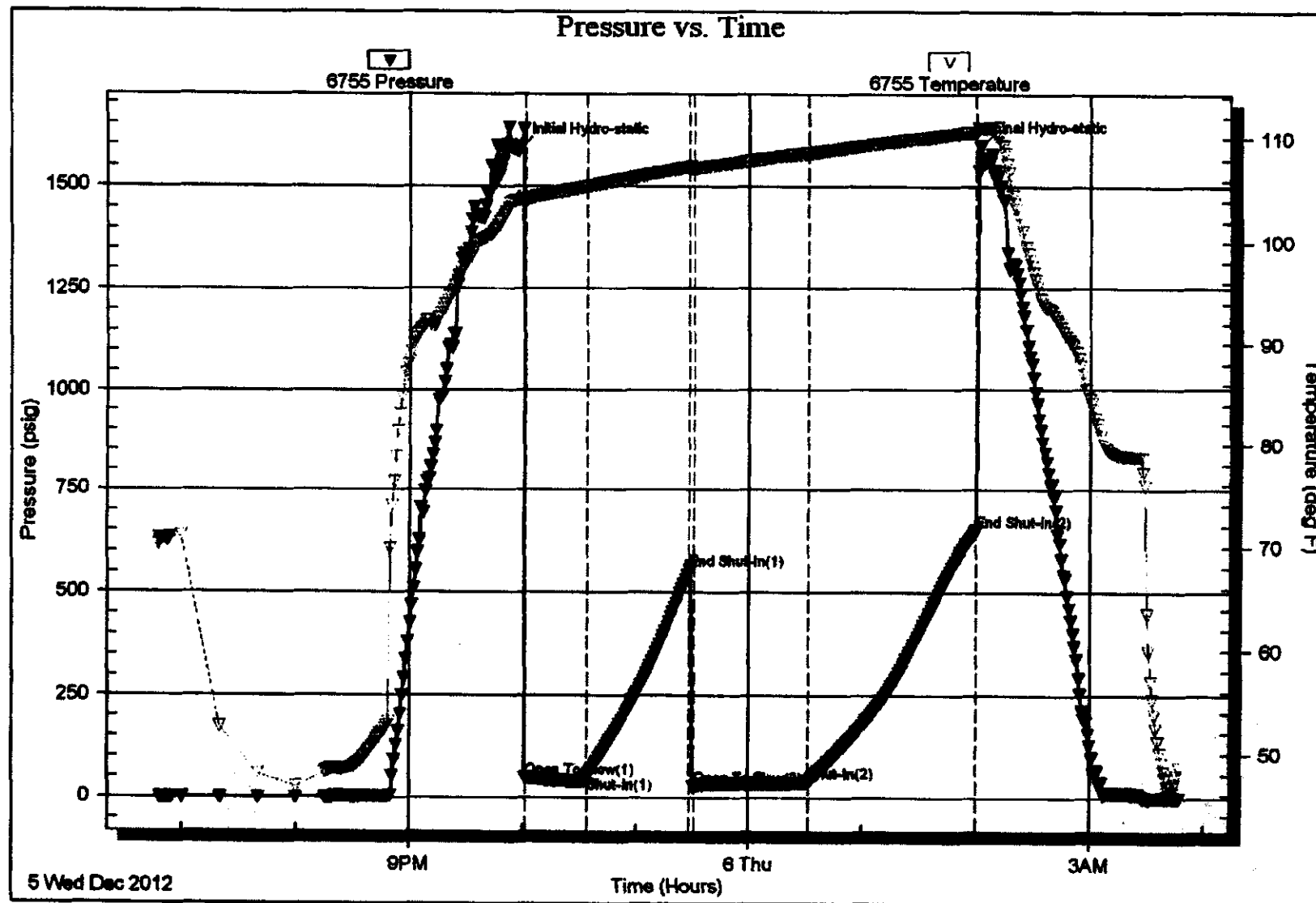
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Serial #: 6755

Outside Rickell Drig Co Inc

Regier D#1

DST Test Number: 1





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DRILL STEM TEST REPORT

Pickrell Drig Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49512

DST#: 2

ATTN: Larry Richardson/ St

Test Start: 2012.12.06 @ 08:55:05

GENERAL INFORMATION:

Formation: **Swope**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:59:05

Time Test Ended: 16:53:50

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Chris Staats**

Unit No: **47**

Interval: **3412.00 ft (KB) To 3425.00 ft (KB) (TVD)**

Total Depth: **3425.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1584.00 ft (KB)**

1574.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: **6755**

Outside

Press@RunDepth: **139.12 psig @ 3413.00 ft (KB)**

Start Date: **2012.12.06**

End Date:

2012.12.06

Capacity: **8000.00 psig**

Last Calib.:

2012.12.06

Start Time: **08:55:05**

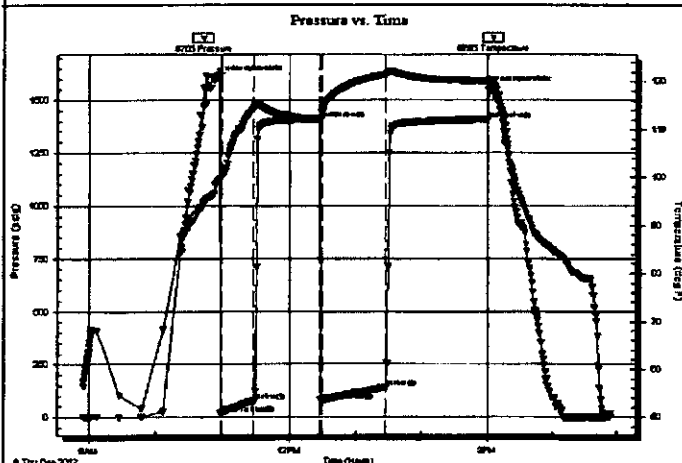
End Time:

16:53:50

Time On Btm: **2012.12.06 @ 10:55:50**

Time Off Btm: **2012.12.06 @ 15:01:35**

TEST COMMENT: IF: Strong blow 9"
IS: Weak surface blow back
FF: Strong blow BOB 42 min
FSt: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.53	99.10	Initial Hydro-static
4	18.08	100.45	Open To Flow (1)
32	75.80	114.39	Shut-in(1)
92	1409.42	112.43	End Shut-in(1)
94	79.48	113.53	Open To Flow (2)
151	139.12	121.50	Shut-in(2)
245	1406.71	120.02	End Shut-in(2)
246	1550.37	119.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	M/W 10% mud 90% water	2.42

* Recovery from multiple tests

Gas Rates

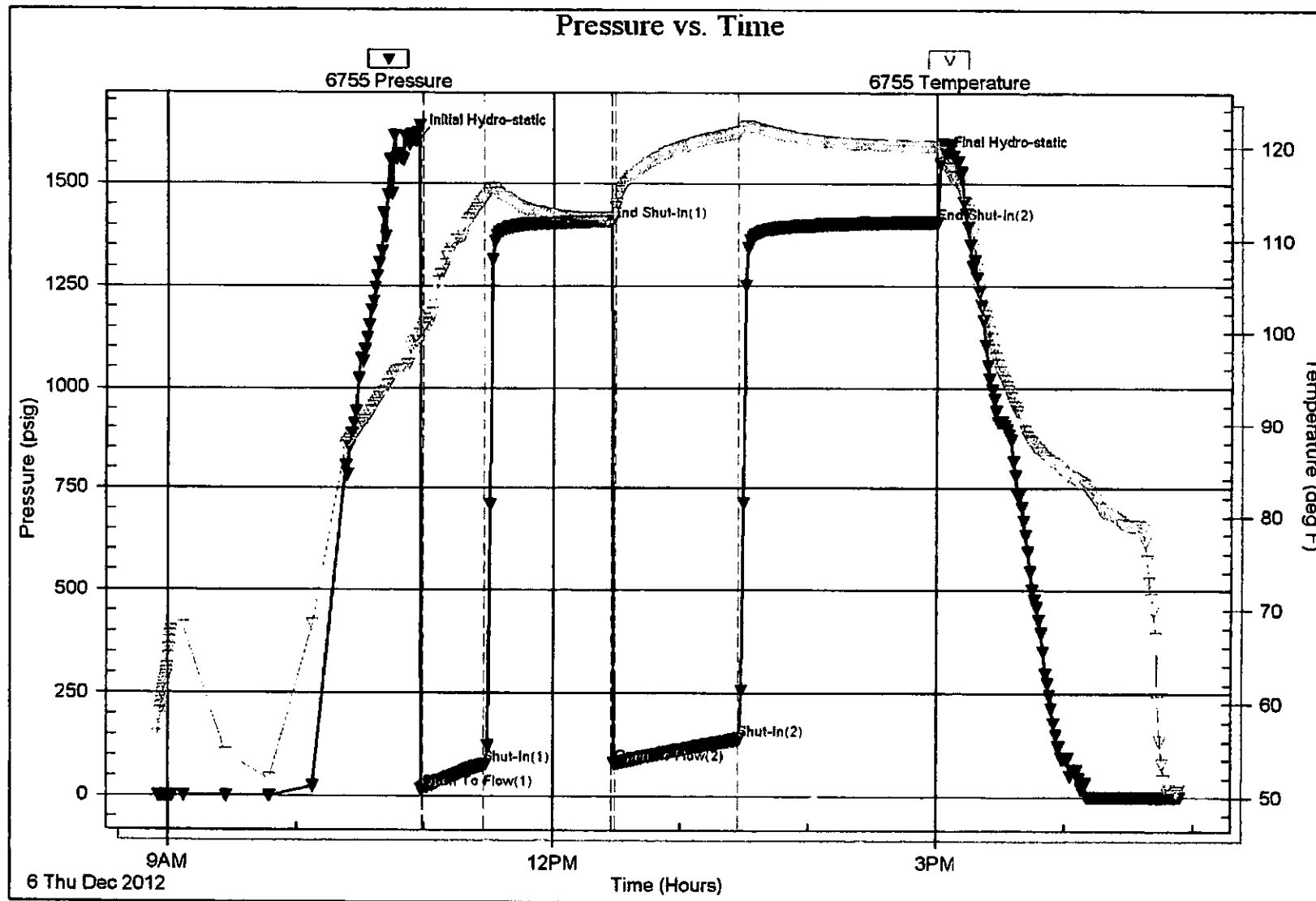
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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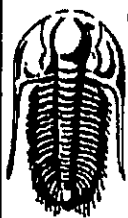
Serial #: 6755

Outside Hickrell Drig Co Inc

Regier D #1

DST Test Number: 2





**TRILOBITE
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DRILL STEM TEST REPORT

Pickrell Drig Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49513

DST#: 3

ATTN: Larry Richardson/ St

Test Start: 2012.12.07 @ 20:58:40

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:51:55

Time Test Ended: 05:12:40

Test Type: Conventional Straddle (Reset)

Tester: Chris Staats

Unit No: 47

Interval: 3776.00 ft (KB) To 3792.00 ft (KB) (TVD)

Total Depth: 3792.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1584.00 ft (KB)

1574.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755

Outside

Press@RunDepth: 170.70 psig @ 3777.00 ft (KB)

Start Date: 2012.12.07

End Date:

2012.12.08

Capacity: 8000.00 psig

Last Calib.: 2012.12.08

Start Time: 20:58:40

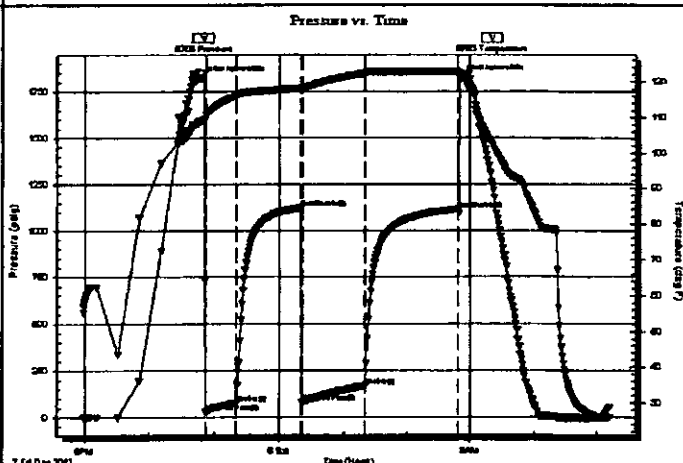
End Time:

05:12:40

Time On Btm: 2012.12.07 @ 22:46:40

Time Off Btm: 2012.12.08 @ 02:51:25

TEST COMMENT: IF: Strong blow BOB 10sec
IS: Weak blow back 2"
FF: Strong blow BOB 2 sec GTS 40 min TSTM
FST: Weak blow back 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.43	108.97	Initial Hydro-static
6	27.05	110.78	Open To Flow (1)
33	78.03	116.16	Shut-in(1)
94	1122.74	118.10	End Shut-in(1)
95	80.12	117.70	Open To Flow (2)
154	170.70	122.51	Shut-in(2)
243	1115.31	122.82	End Shut-in(2)
245	1822.17	122.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3650 GIP	0.00
360.00	M/W 10% mud 90% water	3.97

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Serial #: 6755

Outside Rickrell Drig Co Inc

Regier D #1

DST Test Number: 3

