



DRILL STEM TEST REPORT

Prepared For: **Casino Petroleum LLC**

PO Box 415
Ellinwood KS 67526

ATTN: Chris Batchman/ Josh

Larry #1

18-20s-11w Barton,KS

Start Date: 2013.01.13 @ 15:16:37

End Date: 2013.01.13 @ 22:38:52

Job Ticket #: 49521 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Casino Petroleum LLC

18-20s-11w Barton, KS

PO Box 415
Ellinwood KS 67526

Larry #1

Job Ticket: 49521

DST#: 1

ATTN: Chris Batchman/ Josh

Test Start: 2013.01.13 @ 15:16:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:53:22

Time Test Ended: 22:38:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: 3297.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1790.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1780.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 1005.38 psig @ 3298.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.13

End Date:

2013.01.13

Last Calib.:

2013.01.13

Start Time:

15:16:42

End Time:

22:38:51

Time On Btm:

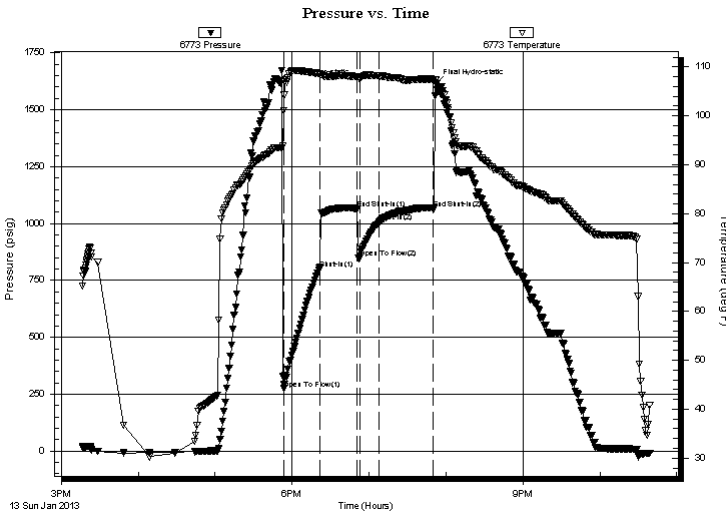
2013.01.13 @ 17:50:52

Time Off Btm:

2013.01.13 @ 19:52:22

TEST COMMENT: IF: Strong blow BOB 30 sec
IS: No blow back
FF: Strong blow BOB 30 sec
FS: Weak surface blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1615.04 | 93.52 | Initial Hydro-static |
| 3 | 273.87 | 101.03 | Open To Flow (1) |
| 31 | 802.81 | 108.64 | Shut-In(1) |
| 60 | 1064.78 | 107.98 | End Shut-In(1) |
| 62 | 850.61 | 107.55 | Open To Flow (2) |
| 77 | 1005.38 | 108.19 | Shut-In(2) |
| 120 | 1065.55 | 107.40 | End Shut-In(2) |
| 122 | 1614.47 | 107.32 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 0.00 | 2605 GIP | 0.00 |
| 2170.00 | G,M,W,O 20%gas 20%w20%W40%oil | 30.44 |
| 1054.00 | Water 100% | 14.78 |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Casino Petroleum LLC

18-20s-11w Barton,KS

PO Box 415
Ellinwood KS 67526

Larry #1

Job Ticket: 49521

DST#: 1

ATTN: Chris Batchman/ Josh

Test Start: 2013.01.13 @ 15:16:37

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3301.00 ft | Diameter: 3.80 inches | Volume: 46.30 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 40000.00 lb |
| | | | <u>Total Volume: 46.30 bbl</u> | Tool Chased 2.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 28000.00 lb |
| Depth to Top Packer: | 3297.00 ft | | | Final 38000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 23.00 ft | | | |
| Tool Length: | 44.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 3277.00 | |
| Shut In Tool | 5.00 | | | 3282.00 | |
| Hydraulic tool | 5.00 | | | 3287.00 | |
| Packer | 5.00 | | | 3292.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3297.00 | |
| Stubb | 1.00 | | | 3298.00 | |
| Recorder | 0.00 | 6773 | Outside | 3298.00 | |
| Recorder | 0.00 | 6755 | Outside | 3298.00 | |
| Perforations | 19.00 | | | 3317.00 | |
| Bullnose | 3.00 | | | 3320.00 | 23.00 Bottom Packers & Anchor |
| Total Tool Length: | 44.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Casino Petroleum LLC

18-20s-11w Barton,KS

PO Box 415
Ellinwood KS 67526

Larry #1

Job Ticket: 49521

DST#: 1

ATTN: Chris Batchman/ Josh

Test Start: 2013.01.13 @ 15:16:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------------|---------------|
| 0.00 | 2605 GIP | 0.000 |
| 2170.00 | G,M,W,O 20%gas 20%w20%W40%oil | 30.439 |
| 1054.00 | Water 100% | 14.785 |

Total Length: 3224.00 ft Total Volume: 45.224 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

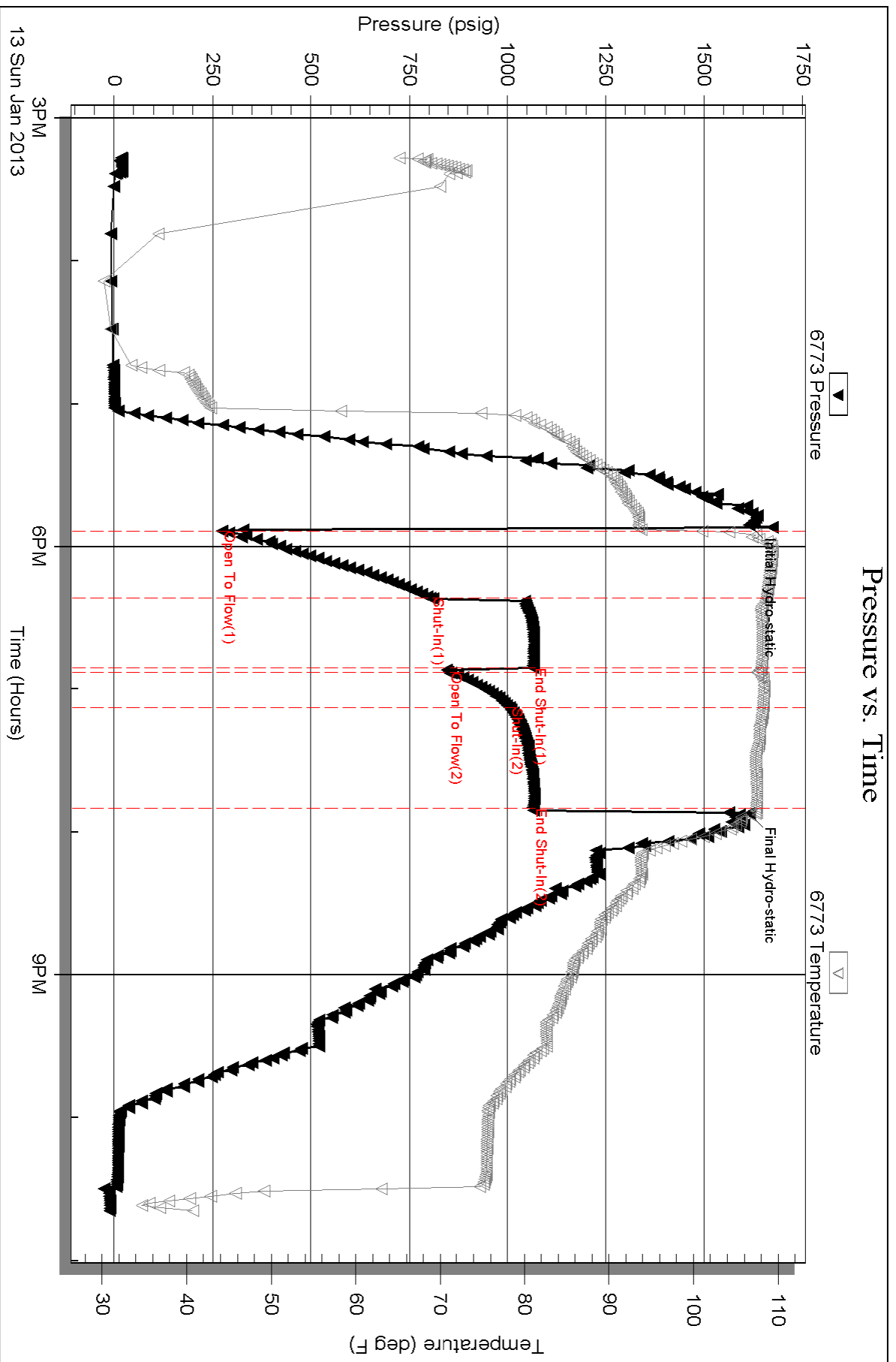
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

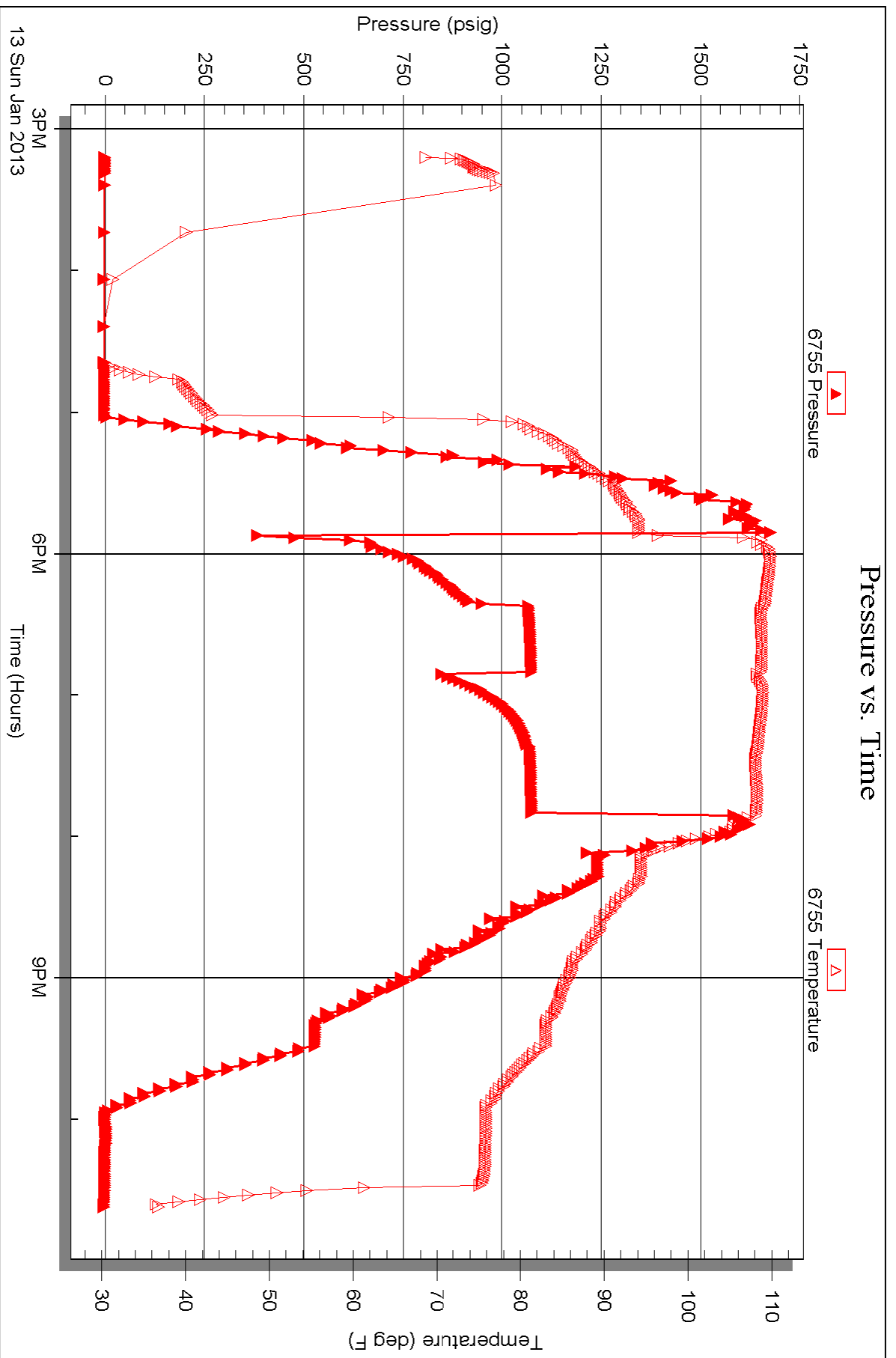


Serial #: 6755

Outside Casino Petroleum LLC

Larry #1

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49521

4/10

Well Name & No. Larry #1 Test No. 1 Date 1-13-13
 Company Casino Petroleum Elevation 1790 KB 1780 GL
 Address PO box 415 Ellinwood KS 67526
 Co. Rep / Geo Chris Batchman / Josh Austin Rig Southwind #1
 Location: Sec. 18 Twp. 20 Rge. 11 Co. Barton State KS

Interval Tested 3297 - 3320 Zone Tested ARbuckle
 Anchor Length 23' Drill Pipe Run 3301 Mud Wt. 9.3
 Top Packer Depth 3292 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3297 Wt. Pipe Run 0 WL 7.6
 Total Depth 3320 Chlorides 8,300 ppm System LCM 1
 Blow Description IF: Strong blow BOB 30sec
ISI: NO blow back
FF: Strong blow BOB 30sec
FSI: Weak surface blow back

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------------|---------------------------|-----------|------------|-----------|-----------|
| | <u>2605 GIP</u> | | | | |
| Rec <u>2170</u> | Feet of <u>G, M, W, O</u> | <u>20</u> | <u>40</u> | <u>20</u> | <u>20</u> |
| Rec <u>1054</u> | Feet of <u>Water</u> | | <u>100</u> | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 3224 BHT 110 Gravity - API RW 17 @ 21 ° F Chlorides 35,000 ppm

(A) Initial Hydrostatic 1615 Test 1150 T-On Location 14:45
 (B) First Initial Flow 273 Jars _____ T-Started 15:16
 (C) First Final Flow 802 Safety Joint _____ T-Open 17:53
 (D) Initial Shut-In 1064 Circ Sub _____ T-Pulled 19:50
 (E) Second Initial Flow 850 Hourly Standby _____ T-Out 22:30
 (F) Second Final Flow 1065 Mileage 120 miles 186 Comments _____
 (G) Final Shut-In 1065 Sampler _____
 (H) Final Hydrostatic 1614 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1336
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1336

Approved By _____

Our Representative Chris

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