

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34405
Name: E & B Natural Resources Management Corp.
Address 1: 1600 Norris Road
Address 2: _____
City: Bakersfield State: CA Zip: 93308 + _____
Contact Person: Keith Pickett
Phone: (661) 301-1500
CONTRACTOR: License # 30606
Name: Murfin Drilling Company, Inc.
Wellsite Geologist: Bob O'Dell
Purchaser: Plains Exploration

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

04-10-2012	04-19-2012	05-01-2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26295-00-00
Spot Description: _____
NE NE SE NE/4 Sec. 36 Twp. 11 S. R. 18 East West
1,341 Feet from North / South Line of Section
105 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Marshall "A" Well #: 39
Field Name: Bemis-Shutts
Producing Formation: Arbuckle
Elevation: Ground: 2,041 Kelly Bushing: 2,046
Total Depth: 3,636 Plug Back Total Depth: 3,624
Amount of Surface Pipe Set and Cemented at: 261 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 52,000 ppm Fluid volume: 150 bbls
Dewatering method used: Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

RECEIVED
AUG 02 2012

KCC WICHITA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2076, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]
Title: Engineer Date: 07-30-2012

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlog Date: 8/6/12

Operator Name: E & B Natural Resources Management Corp. Lease Name: Marshall "A" Well #: 39

Sec. 36 Twp. 11 S. R. 18 East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Microresistivity Log, Dual Compensated Porosity Log, Dual Induction Log, Sector Bond/Gamma Ray CCL Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1,271</td> <td>+775</td> </tr> <tr> <td>Topeka</td> <td>2,995</td> <td>-949</td> </tr> <tr> <td>Heebner</td> <td>3,223</td> <td>-1,177</td> </tr> <tr> <td>Lansing</td> <td>3,268</td> <td>-1,222</td> </tr> <tr> <td>BKS</td> <td>3,503</td> <td>-1,457</td> </tr> <tr> <td>Arbuckle</td> <td>3,551</td> <td>-1,505</td> </tr> </table>	Name	Top	Datum	Anhydrite	1,271	+775	Topeka	2,995	-949	Heebner	3,223	-1,177	Lansing	3,268	-1,222	BKS	3,503	-1,457	Arbuckle	3,551	-1,505
Name	Top	Datum																				
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Lansing	3,268	-1,222																				
BKS	3,503	-1,457																				
Arbuckle	3,551	-1,505																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23 Lbs.	261'	Class A	165	3% CC 2% Gel
Production	7-7/8"	5-1/2"	15.5 Lbs.	3,634'	OWC	300	1,500# KolSeal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Arbuckle		3,562'-3,564'
4	Arbuckle		3,554'-3,558'

TUBING RECORD: Size: <u>3-1/2"</u> Set At: <u>3,607</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		KCC WICHITA
Date of First, Resumed Production, SWD or ENHR. <u>05-01-2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>50</u>	Gas Mcf <u>0</u> Water Bbls. <u>5</u> Gas-Oil Ratio <u>N/A</u> Gravity <u>31</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3,562'-3,564'</u> <u>3,554'-3,558'</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



CONSOLIDATED
Oil Well Services, LLC
SS

TICKET NUMBER 34437
LOCATION Oakley, KS
FOREMAN Rally Gabe

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-12-12	2700	Marshall A #39	36	11	18	Ellis

CUSTOMER: EOD Natural Res. Hays N
MAILING ADDRESS: to Buckeye Rd 1E N 8E into

TRUCK #	DRIVER	TRUCK #	DRIVER
399	Damon M		
460	Staley S		

CITY: _____ STATE: _____ ZIP CODE: _____

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 262 CASING SIZE & WEIGHT 8 5/8 24 #
CASING DEPTH 261 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 148 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 15 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, rigged upon Martin drilling Rig #16, hooked up to circulate, mixed 165 SKS com 300cc 290 gel, displaced with 15 1/4 bbl water, shut in, washed out pumps & lines, rigged down.

Cement did circulate

Approx 70 bbl to pit

Thank You
Rally Gabe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085 00	1085 00
5406	30	MILEAGE	5 00	150 00
11045	165 SKS	Class A cement	17 25	2912 25
1102	465 #	Calcium Chloride	187	41385
11113	310 #	Bentonite	125	77 50
5407	7.75	Ton mileage delivery (min)	162	4100 00
RECEIVED				
AUG 02 2012				
KCC WICHITA				
				5048 00
				504 00
				4543 00
SALES TAX				192.98
ESTIMATED TOTAL				4736.72

Rev 07/07

8:30 PM
AUTHORIZATION Ag. [Signature]

249065
TITLE _____ DATE 4-12-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 34467
LOCATION OK Hwy
FOREMAN Fuzzy
with Daniel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-20-12	2706	Marshall A #39	36	11	18	Ellis
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
E+B Nat. Resources			399	Miles S		
MAILING ADDRESS			*528	Calley R		
CITY			*466	Woss F		
STATE						
ZIP CODE						

JOB TYPE 2 stage HOLE SIZE 7 7/8 HOLE DEPTH 3640' CASING SIZE & WEIGHT 5 1/2 15.5
CASING DEPTH 3634' DRILL PIPE _____ TUBING _____ OTHER DU Tool @ 2126
SLURRY WEIGHT 14.2-12.5 SLURRY VOL 1.42-1.89 WATER gal/sk 69-10.8 CEMENT LEFT in CASING 9
DISPLACEMENT 96.25 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

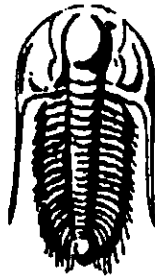
REMARKS: Safety meeting on main B-16 float valve cont 2, 6, 10, 15, 19, 23, 30, 34 - Baskets (middle) 3, 27, 37, 39, 44, 58. DU Tool (Bottom) #38.
Pick up and circulate 1 lb Pump SAG water, 500 gal flush, SAG water, mix 300sks over w/5# Kel-seal. Wash pump + lines. Drop plug and displace 35 1/2 water 50" mud 700' lift. 1300' mud plus float held. Drop DU Bond - with 10 min open Tool @ 1200' circulate 1/2 hr. Pump SAG water, mix 300sks all 15 sks min. Mix 525 sks 60/40 #9000 1 1/2" floccal down 5 1/2 sec. Wash pump and lines. Drop plug and displace 50" mud 600' lift close DU Tool @ 1500' cement did circulate approx 40 BBL to pit. THANKS Fuzzy & crew

79
99A
666

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2700 ⁰⁰	2700 ⁰⁰
5406	45	MILEAGE	5 ⁰⁰	225 ⁰⁰
5407A	38.6 ton	Ton mileage Delivery	147	2900 ²⁰
1126				
1126	300sks	OWC	22 ⁵⁵	6765 ⁰⁰
1131	570sks	60/40 pes	15 ¹⁰	8607 ⁰⁰
119B	3922*	Breakerite	.25	980 ⁵⁰
1110.A	1500*	Kel-seal	.56	840 ⁰⁰
1107	143*	Floccal	2 ⁸²	403 ²⁰
1144G	500gal	Mud Flush	1 ⁰⁰	500 ⁰⁰
4159	1	5 1/2" BDU Float shoe	413 ⁰⁰	413 ⁰⁰
4130	8	5 1/2" Centralizers	58 ⁰⁰	464 ⁰⁰
4104	6	5 1/2" Baskets	276 ⁰⁰	1656 ⁰⁰
4283	1	5 1/2" DU Tool w/ handle down	3850 ⁰⁰	3850 ⁰⁰
		sub total		30304 ⁴⁰
		less 10%		3030 ⁴⁰
				27274 ⁰⁰
		SALES TAX		1387.95
		ESTIMATED TOTAL		28661.95

Revised 07/07 AUTHORIZATION Daniel Jensen TITLE Perms Super. DATE 4-20-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **E&B Natural Resources Management Corp**

1600 Norris Rd.
Bakersfield, CA 93308

ATTN: Kieth Pickett

Marshal"A"#39

36-11s-18w Ellis,KS

Start Date: 2012.04.16 @ 10:00:18

End Date: 2012.04.16 @ 16:46:42

Job Ticket #: 47365 DST #: 1

RECEIVED
AUG 02 2012
KCC WICHITA

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

ORIGINAL
Printed: 2012.04.26 @ 09:12:17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 47365

DST#: 1

ATTN: Kieth Pickett

Test Start: 2012.04.16 @ 10:00:18

GENERAL INFORMATION:

Formation: Toronto

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:05:43

Time Test Ended: 16:46:42

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 3220.00 ft (KB) To 3260.00 ft (KB) (TVD)

Reference Elevations: 2046.00 ft (KB)

Total Depth: 3260.00 ft (KB) (TVD)

2041.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 37.74 psig @ 3224.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.16

End Date: 2012.04.16

Last Calib.: 2012.04.16

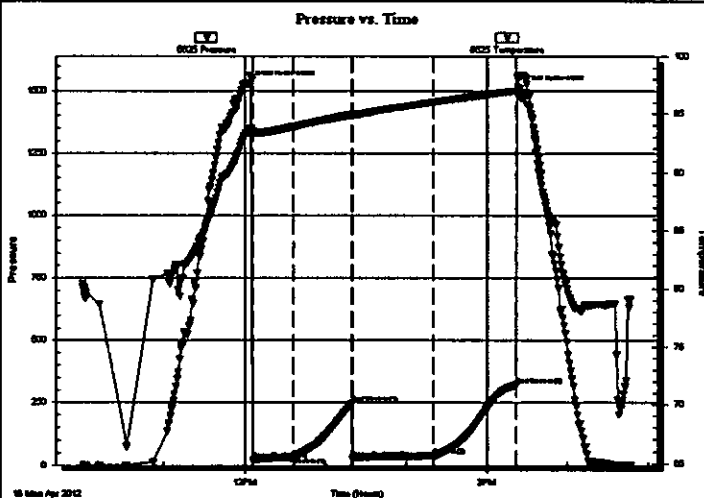
Start Time: 10:00:18

End Time: 16:46:42

Time On Btm: 2012.04.16 @ 12:02:43

Time Off Btm: 2012.04.16 @ 15:24:42

TEST COMMENT: 30-IFP-w k bl surface to 1/4"bl
45-ISIP-no bl
60-FFP-w k bl 1"to 2"bl
60-FFP-no bl



PRESSURE SUMMARY

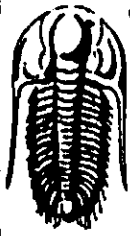
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.88	93.37	Initial Hydro-static
3	20.67	93.49	Open To Flow (1)
33	33.28	93.90	Shut-In(1)
77	246.92	94.94	End Shut-In(1)
77	27.09	94.90	Open To Flow (2)
137	37.74	96.06	Shut-In(2)
199	321.87	97.04	End Shut-In(2)
202	1506.72	98.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60'GIP	0.00
45.00	HO&GCM 10%G30%O60%M	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E&B Natural Resources Management Corp

36-11s-18w Ellis, KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 47365

DST#: 1

ATTN: Kieth Pickett

Test Start: 2012.04.16 @ 10:00:18

Tool Information

Drill Pipe:	Length: 3169.00 ft	Diameter: 3.80 inches	Volume: 44.45 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 44.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3220.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3193.00	
Shut In Tool	5.00			3198.00	
Hydraulic tool	5.00			3203.00	
Jars	5.00			3208.00	
Safety Joint	2.00			3210.00	
Packer	5.00			3215.00	28.00 Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Perforations	3.00			3224.00	
Recorder	0.00	6625	Inside	3224.00	
Recorder	0.00	8700	Outside	3224.00	
Blank Spacing	33.00			3257.00	
Bullnose	3.00			3260.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 47365

DST#: 1

ATTN: Kieth Pickett

Test Start: 2012.04.16 @ 10:00:18

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	60'GIP	0.000
45.00	HO&GCM 10%G30%O60%M	0.358

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

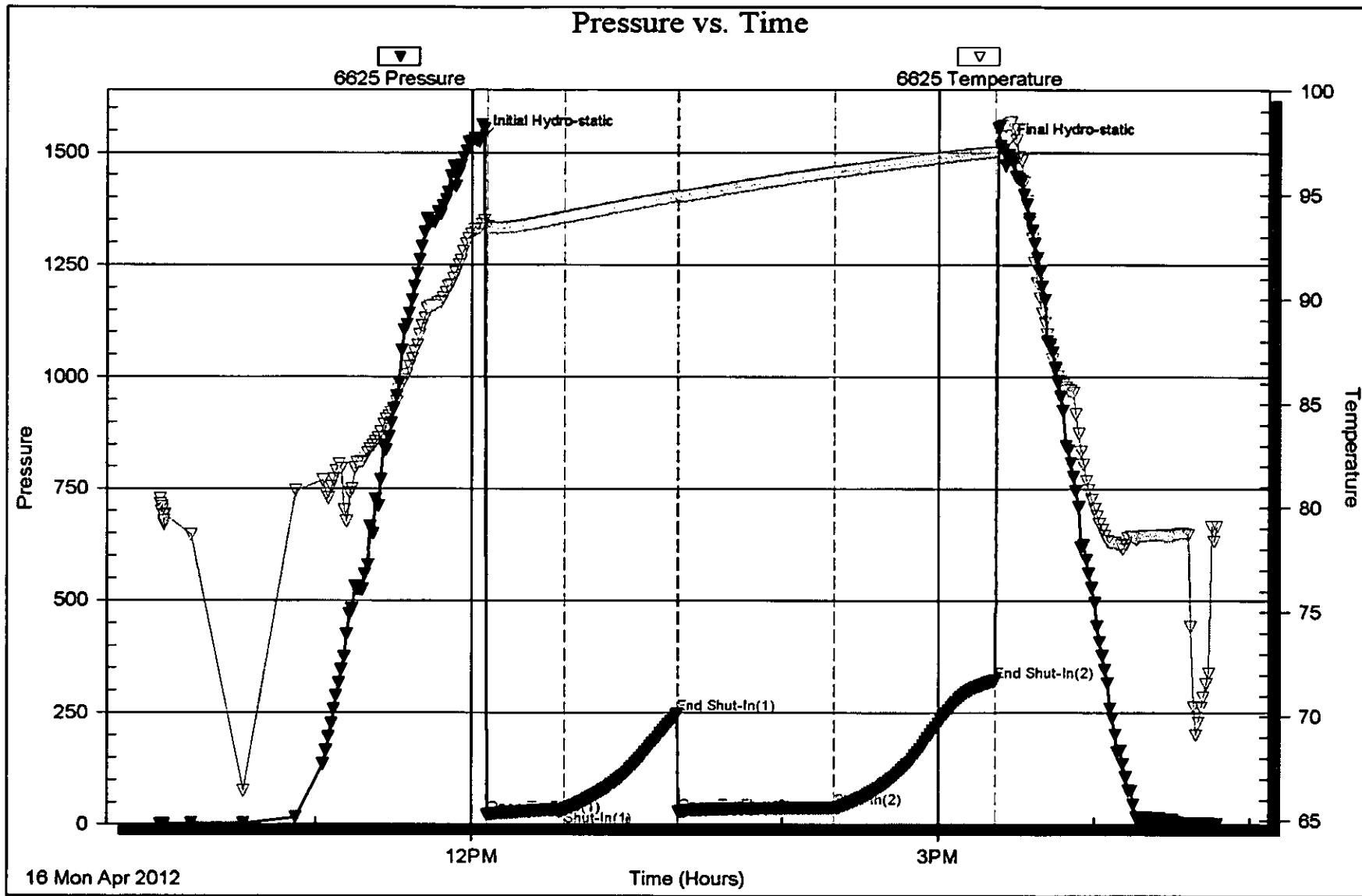
Num Gas Bombs: 0

Serial #:

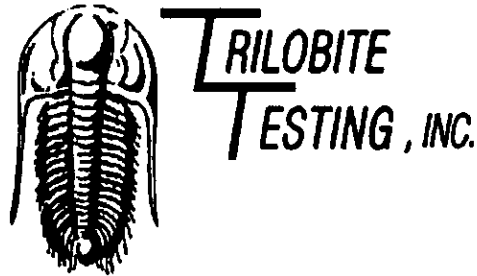
Laboratory Name:

Laboratory Location:

Recovery Comments:



16 Mon Apr 2012



DRILL STEM TEST REPORT

Prepared For: **E&B Natural Resources Management Corp**

1600 Norris Rd.
Bakersfield, CA 93308

ATTN: Kieth Pickett

Marshal"A"#39

36-11s-18w Ellis,KS

Start Date: 2012.04.17 @ 00:34:00

End Date: 2012.04.17 @ 06:36:00

Job Ticket #: 46312 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.26 @ 09:12:57

E&B Natural Resources Management Corp

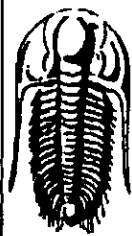
36-11s-18w Ellis,KS

Marshal"A"#39

DST # 2

KC "B"

2012.04.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46312

DST#: 2

ATTN: Kieth Pickett

Test Start: 2012.04.17 @ 00:34:00

GENERAL INFORMATION:

Formation: **KC "B"**

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

Time Tool Opened: **02:04:00**

Time Test Ended: **06:36:00**

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

Tester: **Cody Bloedorn**

Unit No: **42**

Interval: **3284.00 ft (KB) To 3315.00 ft (KB) (TVD)**

Total Depth: **3315.00 ft (KB) (TVD)**

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

Reference Elevations: **2046.00 ft (KB)**

2041.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8700**

Outside

Press@RunDepth: **31.69 psig @ 3285.00 ft (KB)**

Start Date: **2012.04.17**

End Date:

2012.04.17

Capacity: **8000.00 psig**

Last Calib.: **2012.04.17**

Start Time: **00:34:05**

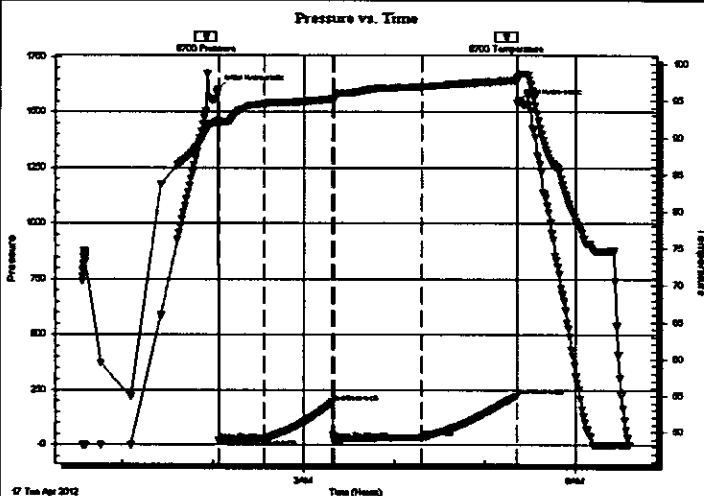
End Time:

06:35:59

Time On Btm: **2012.04.17 @ 02:03:30**

Time Off Btm: **2012.04.17 @ 05:21:30**

TEST COMMENT: 30 - IF- 2 1/2" blow
45 - IS- No blow back
60 - FF- 6 1/2" blow
60 - FS- No blow vack



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.16	92.22	Initial Hydro-static
1	16.41	91.78	Open To Flow (1)
31	25.86	94.57	Shut-In(1)
76	194.08	95.24	End Shut-In(1)
77	21.27	95.28	Open To Flow (2)
135	31.69	96.95	Shut-In(2)
198	222.66	97.87	End Shut-In(2)
198	1542.68	98.23	Final Hydro-static

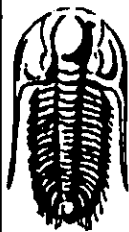
Recovery

Length (ft)	Description	Volume (bbl)
45.00	GHOCM, 10%G, 30%O, 60%M	0.36
0.00	62' OF G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E&B Natural Resources Management Corp

36-11s-18w Ellis, KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46312

DST#: 2

ATTN: Kieth Pickett

Test Start: 2012.04.17 @ 00:34:00

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 45.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3284.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3257.00	
Shut In Tool	5.00			3262.00	
Hydraulic tool	5.00			3267.00	
Jars	5.00			3272.00	
Safety Joint	2.00			3274.00	
Packer	5.00			3279.00	28.00 Bottom Of Top Packer
Packer	5.00			3284.00	
Stubb	1.00			3285.00	
Recorder	0.00	6625	Inside	3285.00	
Recorder	0.00	8700	Outside	3285.00	
Perforations	27.00			3312.00	
Bullnose	3.00			3315.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal"A"#39

Job Ticket: 46312

DST#: 2

ATTN: Kieth Pickett

Test Start: 2012.04.17 @ 00:34:00

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	GHOCM, 10%G, 30%O, 60%M	0.358
0.00	62' OF G.I.P.	0.000

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

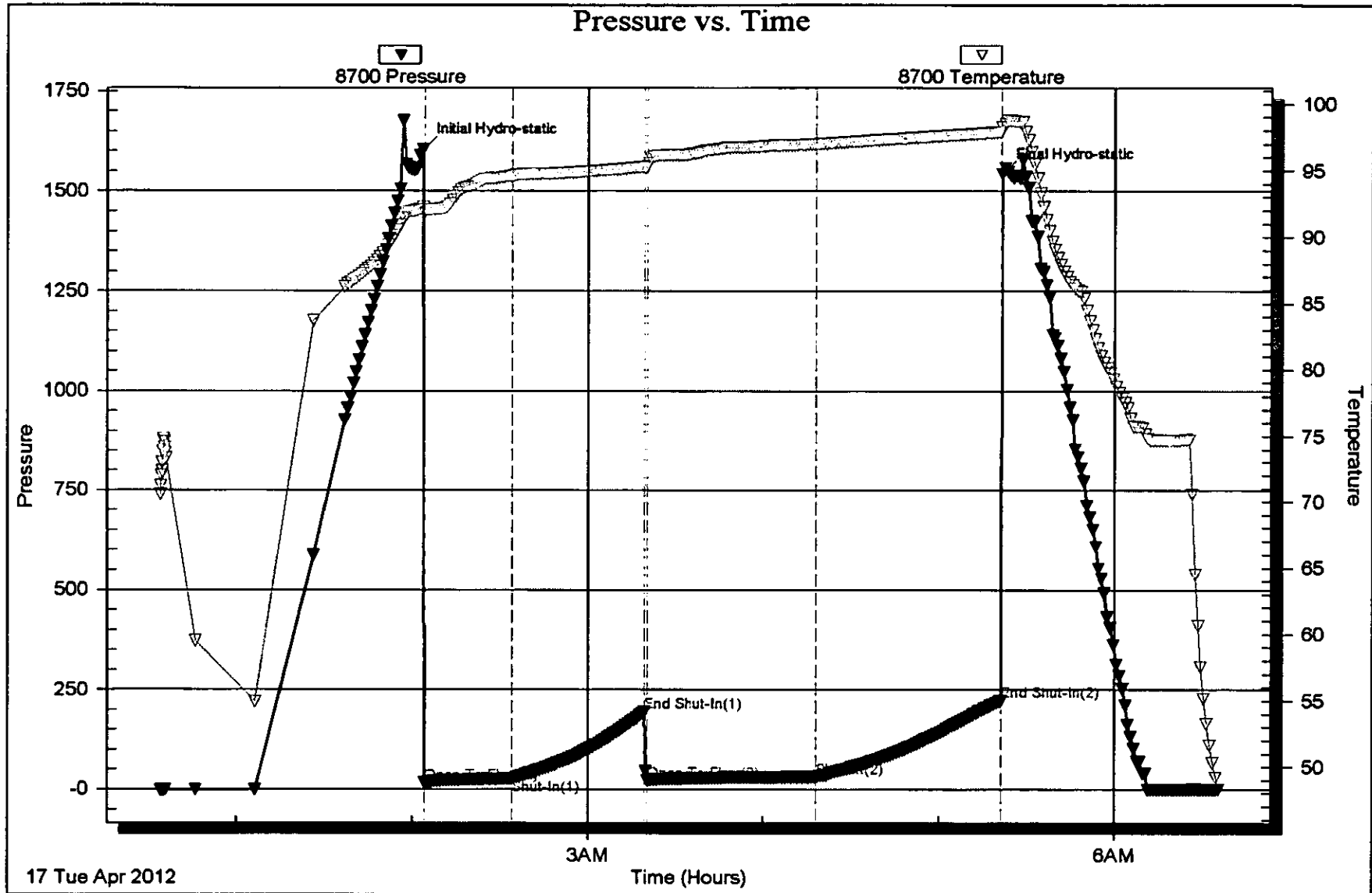
Num Gas Bombs: 0

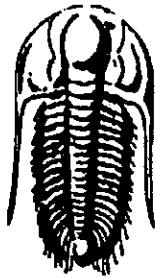
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **E&B Natural Resources Management Corp**

1600 Norris Rd.
Bakersfield, CA 93308

ATTN: Kieth Pickett

Marshal"A"#39

36-11s-18w Ellis,KS

Start Date: 2012.04.18 @ 02:41:00

End Date: 2012.04.18 @ 11:27:00

Job Ticket #: 46313 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.26 @ 09:13:41

E&B Natural Resources Management Corp
36-11s-18w Ellis,KS
Marshal"A"#39
DST # 3
Arbuckle
2012.04.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

E&B Natural Resources Management Corp

36-11s-18w Ellis, KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46313

DST#: 3

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 02:41:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:00

Time Test Ended: 11:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 42

Interval: 3517.00 ft (KB) To 3568.00 ft (KB) (TVD)

Reference Elevations: 2046.00 ft (KB)

Total Depth: 3568.00 ft (KB) (TVD)

2041.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8700 Outside

Press@RunDepth: 746.71 psig @ 3521.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.18

End Date:

2012.04.18

Last Calib.: 2012.04.18

Start Time: 02:41:05

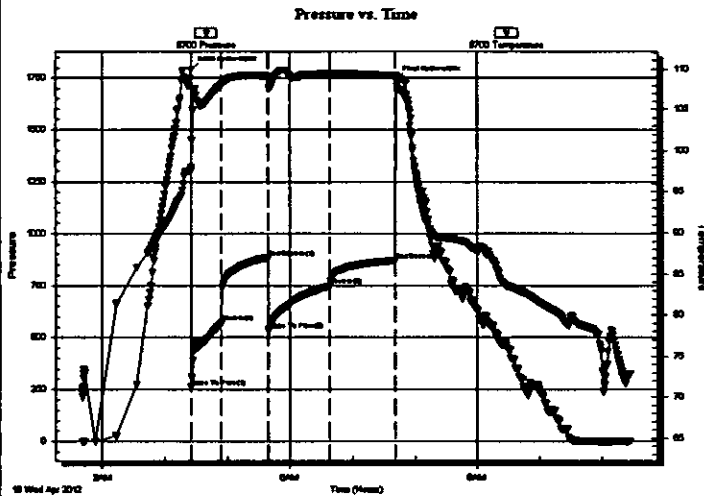
End Time:

11:27:00

Time On Btm: 2012.04.18 @ 04:24:30

Time Off Btm: 2012.04.18 @ 07:41:30

TEST COMMENT: 30 - IF- B.O.B. in 1 Min.
45 - IS- 1/4" blow, died in 29 Min.
60 - FF- B.O.B. in 1 Min.
60 - FS- Surface blow, died in 27 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1787.76	97.56	Initial Hydro-static
1	262.70	97.99	Open To Flow (1)
30	569.63	108.10	Shut-In(1)
74	882.92	109.16	End Shut-In(1)
75	534.38	108.63	Open To Flow (2)
134	746.71	109.44	Shut-In(2)
196	869.83	109.23	End Shut-In(2)
197	1744.00	109.17	Final Hydro-static

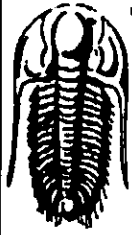
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCM, 5%G, 15%O, 80%M	1.47
1799.00	GMCO, 10%M, 30%G, 60%O	25.24
31.00	GVSOCM, 5%G, 5%O, 90%M	0.43
0.00	155' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal"A"#39

Job Ticket: 46313

DST#: 3

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 02:41:00

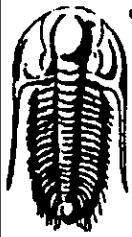
Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 49.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3517.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3490.00	
Shut In Tool	5.00			3495.00	
Hydraulic tool	5.00			3500.00	
Jars	5.00			3505.00	
Safety Joint	2.00			3507.00	
Packer	5.00			3512.00	28.00 Bottom Of Top Packer
Packer	5.00			3517.00	
Stubb	1.00			3518.00	
Perforations	2.00			3520.00	
Change Over Sub	1.00			3521.00	
Recorder	0.00	6625	Inside	3521.00	
Recorder	0.00	8700	Outside	3521.00	
Blank Spacing	31.00			3552.00	
Change Over Sub	1.00			3553.00	
Perforations	12.00			3565.00	
Bullnose	3.00			3568.00	51.00 Bottom Packers & Anchor
Total Tool Length:	79.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal"A"#39

Job Ticket: 46313

DST#: 3

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 02:41:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GOCM, 5%G, 15%O, 80%M	1.466
1799.00	GMCO, 10%M, 30%G, 60%O	25.235
31.00	GVSOCM, 5%G, 5%O, 90%M	0.435
0.00	155' of G.I.P.	0.000

Total Length: 1954.00 ft Total Volume: 27.136 bbl

Num Fluid Samples: 0

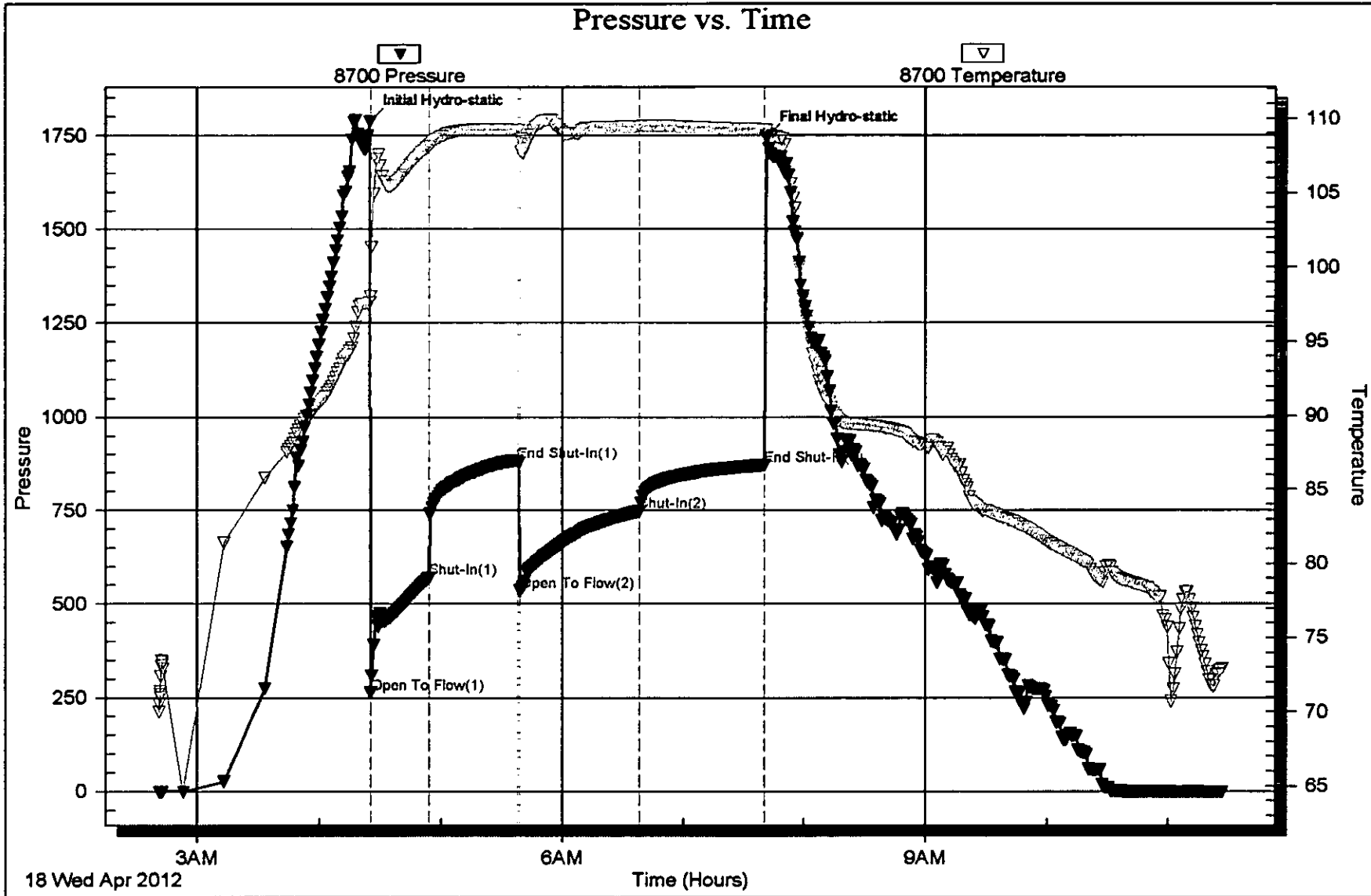
Num Gas Bombs: 0

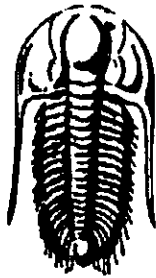
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 31 @ 60 Degrees = 31





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **E&B Natural Resources Management Corp**

1600 Norris Rd.
Bakersfield, CA 93308

ATTN: Kieth Pickett

Marshal"A"#39

36-11s-18w Ellis,KS

Start Date: 2012.04.18 @ 17:31:00

End Date: 2012.04.19 @ 00:51:30

Job Ticket #: 46314 DST #: 4

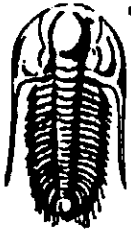
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.26 @ 09:14:04

E&B Natural Resources Management Corp 36-11s-18w Ellis,KS Marshal"A"#39 DST # 4 Arbuckle 2012.04.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

E&B Natural Resources Management Corp

36-11s-18w Ellis, KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46314

DST#: 4

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 17:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 19:24:30

Time Test Ended: 00:51:30

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

Tester: **Cody Bloedorn**

Unit No: **42**

Interval: **3571.00 ft (KB) To 3584.00 ft (KB) (TVD)**

Total Depth: **3584.00 ft (KB) (TVD)**

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

Reference Elevations: **2046.00 ft (KB)**

2041.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8700**

Outside

Press@RunDepth: **220.85 psig @ 3581.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.04.18**

End Date:

2012.04.19

Last Calib.:

2012.04.19

Start Time: **17:31:05**

End Time:

00:51:29

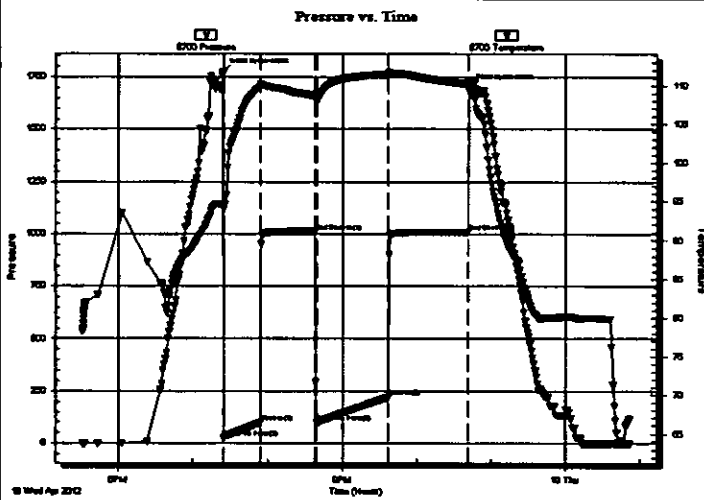
Time On Btm:

2012.04.18 @ 19:24:00

Time Off Btm:

2012.04.18 @ 22:42:00

TEST COMMENT: 30 - IF- B.O.B. in 18 Min.
45 - IS- weak surface blow, died in 15 Min.
60 - FF- B.O.B. in 27 Min.
60 - FS- Surface blow throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.10	94.52	Initial Hydro-static
1	21.81	94.03	Open To Flow (1)
30	96.69	109.88	Shut-In(1)
74	1011.13	108.67	End Shut-In(1)
75	97.13	108.38	Open To Flow (2)
133	220.85	111.42	Shut-In(2)
198	1010.36	110.19	End Shut-In(2)
198	1697.95	110.63	Final Hydro-static

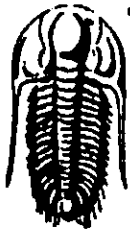
Recovery

Length (ft)	Description	Volume (bbl)
434.00	Water, 100%W	5.81
25.00	GO, 2%G, 98%O	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E&B Natural Resources Management Corp

36-11s-18w Ellis, KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46314

DST#: 4

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 17:31:00

Tool Information

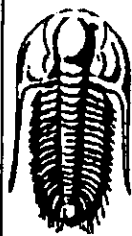
Drill Pipe:	Length: 3517.00 ft	Diameter: 3.80 inches	Volume: 49.33 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 49.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3571.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3544.00	
Shut In Tool	5.00			3549.00	
Hydraulic tool	5.00			3554.00	
Jars	5.00			3559.00	
Safety Joint	2.00			3561.00	
Packer	5.00			3566.00	28.00 Bottom Of Top Packer
Packer	5.00			3571.00	
Stubb	1.00			3572.00	
Perforations	9.00			3581.00	
Recorder	0.00	6625	Inside	3581.00	
Recorder	0.00	8700	Outside	3581.00	
Bullnose	3.00			3584.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46314

DST#: 4

ATTN: Kieth Pickett

Test Start: 2012.04.18 @ 17:31:00

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:

60000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
434.00	Water, 100%W	5.815
25.00	GO, 2%G, 98%O	0.351

Total Length: 459.00 ft Total Volume: 6.166 bbl

Num Fluid Samples: 0

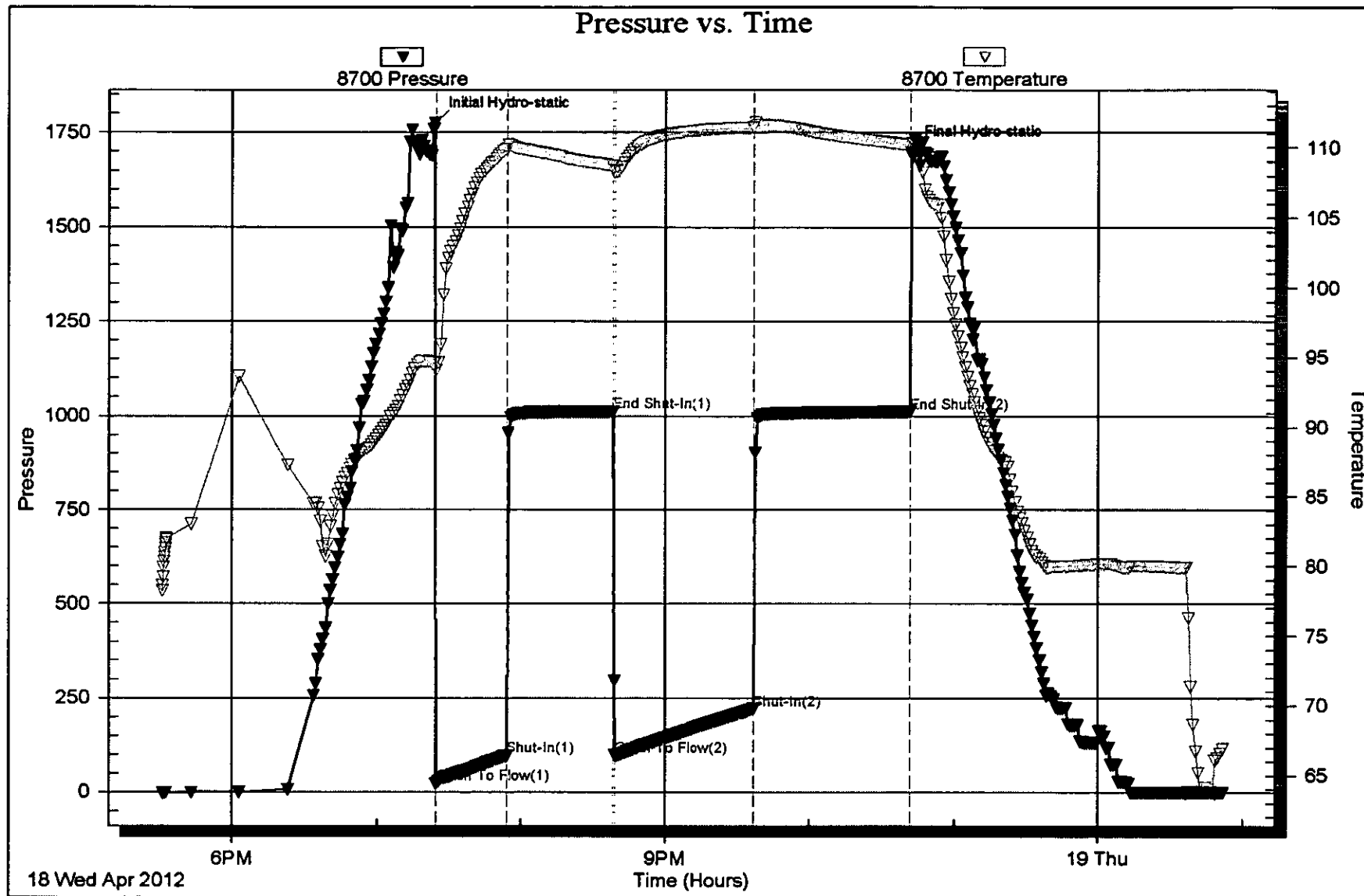
Num Gas Bombs: 0

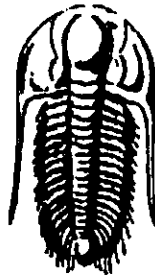
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water = .15 @60 Degrees = 60000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **E&B Natural Resources Management Corp**

1600 Norris Rd.
Bakersfield, CA 93308

ATTN: Kieth Pickett

Marshal"A"#39

36-11s-18w Ellis,KS

Start Date: 2012.04.19 @ 07:20:05

End Date: 2012.04.19 @ 15:24:59

Job Ticket #: 46315 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.26 @ 09:14:30

E&B Natural Resources Management Corp

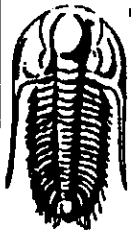
36-11s-18w Ellis,KS

Marshal"A"#39

DST # 5

Arbuckle

2012.04.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46315

DST#: 5

ATTN: Kieth Pickett

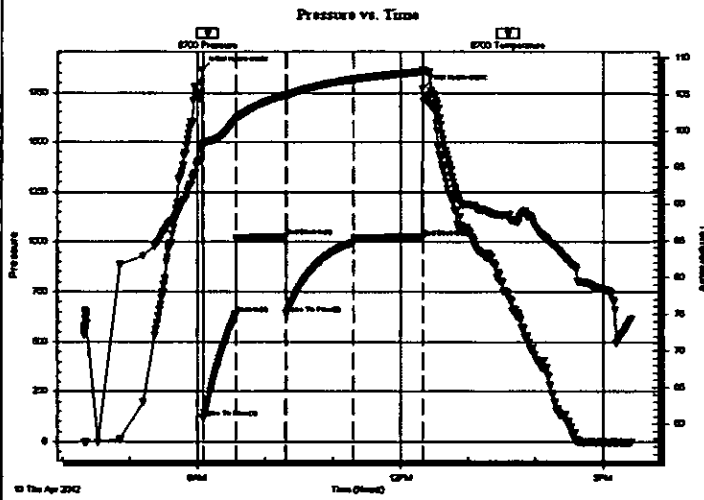
Test Start: 2012.04.19 @ 07:20:05

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 09:05:00
 Time Test Ended: 15:24:59
 Interval: **3590.00 ft (KB) To 3598.00 ft (KB) (TVD)**
 Total Depth: **3598.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Cody Bloedorn**
 Unit No: **42**
 Reference Elevations: **2046.00 ft (KB)**
2041.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: **8700** Outside
 Press@RunDepth: **996.66 psig @ 3595.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.04.19** End Date: **2012.04.19** Last Calib.: **2012.04.19**
 Start Time: **07:20:05** End Time: **15:24:59** Time On Btm: **2012.04.19 @ 09:04:30**
 Time Off Btm: **2012.04.19 @ 12:19:29**

TEST COMMENT: 30 - IF- B.O.B. in 1 Min.
 45 - IS- Surface blow
 60 - FF- B.O.B. in 1 Min.
 60 - FS- Surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.61	97.71	Initial Hydro-static
1	114.98	97.82	Open To Flow (1)
30	638.46	101.39	Shut-In(1)
74	1025.56	104.79	End Shut-In(1)
74	641.06	104.61	Open To Flow (2)
133	996.66	106.98	Shut-In(2)
195	1024.25	107.97	End Shut-In(2)
195	1772.28	108.23	Final Hydro-static

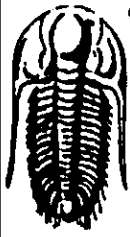
Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM - Oil scum, 20%M, 80%W	0.60
1612.00	VSOCW, 5%O, 95%W	22.61
248.00	GHOCW, 10%G, 40%O, 50%W	3.48
40.00	Free Oil, 100%O	0.56

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal"A"#39

Job Ticket: 46315

DST#: 5

ATTN: Kieth Pickett

Test Start: 2012.04.19 @ 07:20:05

Tool Information

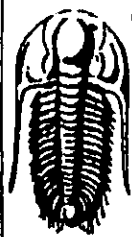
Drill Pipe:	Length: 3550.00 ft	Diameter: 3.80 inches	Volume: 49.80 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 49.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3590.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3563.00	
Shut In Tool	5.00			3568.00	
Hydraulic tool	5.00			3573.00	
Jars	5.00			3578.00	
Safety Joint	2.00			3580.00	
Packer	5.00			3585.00	28.00 Bottom Of Top Packer
Packer	5.00			3590.00	
Stubb	1.00			3591.00	
Perforations	4.00			3595.00	
Recorder	0.00	6625	Inside	3595.00	
Recorder	0.00	8700	Outside	3595.00	
Bullnose	3.00			3598.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

E&B Natural Resources Management Corp

36-11s-18w Ellis,KS

1600 Norris Rd.
Bakersfield, CA 93308

Marshal "A" #39

Job Ticket: 46315

DST#: 5

ATTN: Kieth Pickett

Test Start: 2012.04.19 @ 07:20:05

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:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	WM - Oil scum, 20%M, 80%W	0.596
1612.00	VSOCW, 5%O, 95%W	22.612
248.00	GHOCW, 10%G, 40%O, 50%W	3.479
40.00	Free Oil, 100%O	0.561

Total Length: 1962.00 ft

Total Volume: 27.248 bbl

Num Fluid Samples: 0

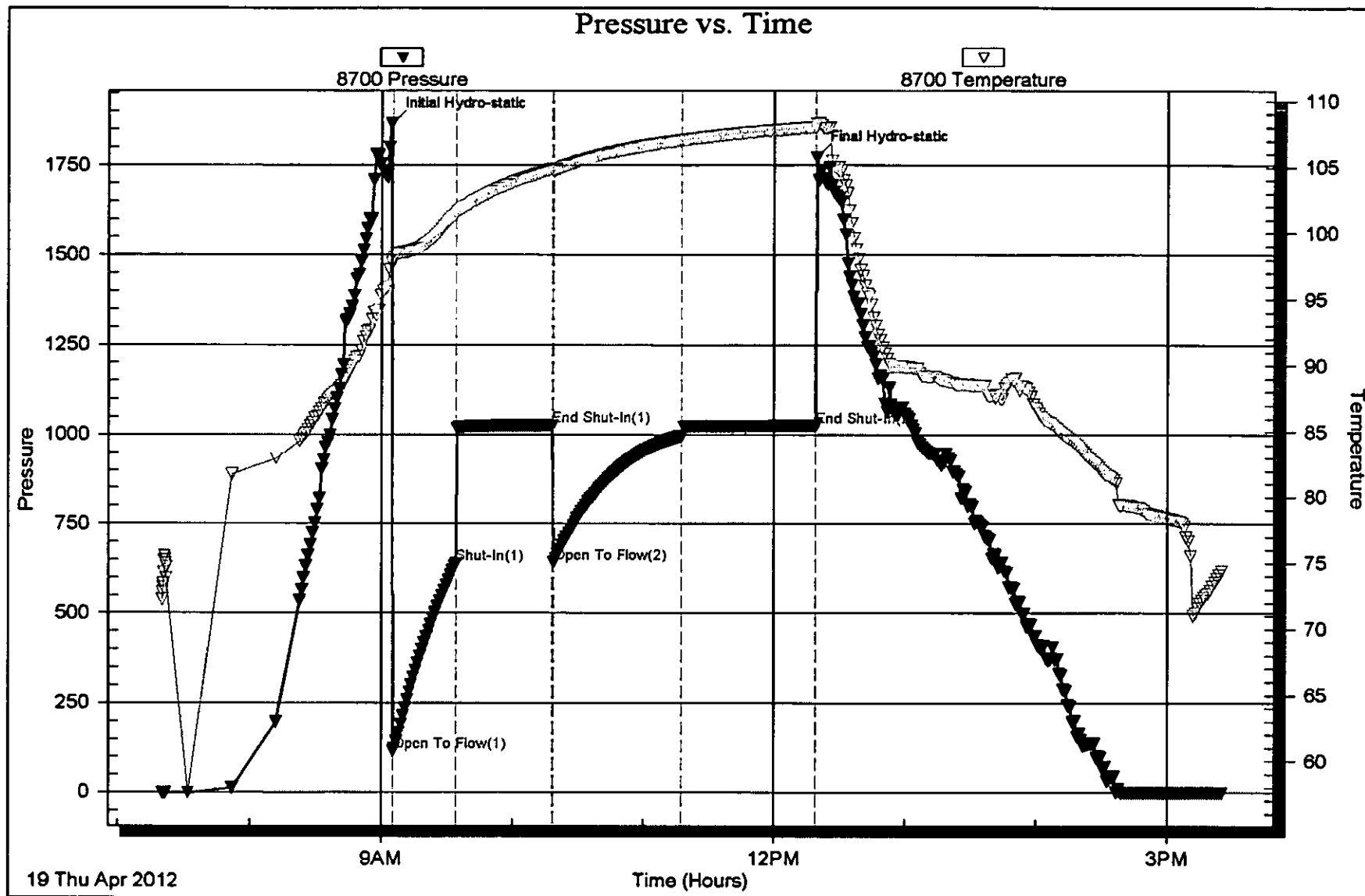
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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Test Ticket

NO. 47365

BY:

Well Name & No. MARSHALL "A" #39 Test No. 1 Date 4-16-12
 Company E & B NATURAL RES. MANAGEMENT CORP Elevation 2046 KB 2041 GL
 Address 1600 NORRIS RD. BAKERSFIELD, CA 93308
 Co. Rep / Geo. Bob O'Dell Rig MURFIN RIG 16
 Location: Sec. 36 Twp. 11^S Rge. 18^W Co. ELLIS State KO

Interval Tested 3220-3260 Zone Tested TORONTO
 Anchor Length 40 Drill Pipe Run 3169 Mud Wt. 9
 Top Packer Depth 3215 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3220 Wt. Pipe Run - WL 7.2
 Total Depth 3260 Chlorides 5100 ppm System LCM 4#

Blow Description IFP - WEAK BLOW SURFACE TO 1/4" BLOW
ISIP - NO BLOW
FFP - WEAK BLOW 1" TO 2" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>45</u>	<u>H046CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	

Rec Total 45 BHT 97 Gravity - API RW - @ - F Chlorides - ppm
 (A) Initial Hydrostatic 1524 Test 1150 T-On Location 0845
 (B) First Initial Flow 20 Jars 250 T-Started 1000
 (C) First Final Flow 33 Safety Joint 75' T-Open 1205
 (D) Initial Shut-In 246 Circ Sub T-Pulled 1520
 (E) Second Initial Flow 27 Hourly Standby T-Out 1646
 (F) Second Final Flow 37 Mileage 34 RT 52.70 Comments _____
 (G) Final Shut-In 321 Sampler _____
 (H) Final Hydrostatic 1506 Straddle _____

Initial Open 30 Ruined Shale Packer
 Initial Shut-In 45 Ruined Packer
 Final Flow 60 Extra Packer
 Final Shut-In 60 Extra Recorder
 Sub Total 0
 Total 1527.70
 MP/DST Disc't _____

Approved By Bob O'Dell Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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.



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Test Ticket

NO. 46312

Well Name & No. Marshall A #39 Test No. 2 Date 4-16-12
 Company E & B Natural Resources Elevation 2046 KB 2041 GL
 Address 1600 Norris RD, Bakersfield CA, 93308
 Co. Rep / Geo. Bob O'Dell Rig Murfin 16
 Location: Sec. 6 Twp. 11s Rge. 18w Co. Ellis State KS

Interval Tested 3284-3315 Zone Tested Lansing "B"
 Anchor Length 31 Drill Pipe Run 3233 Mud Wt. 9.0
 Top Packer Depth 3279 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3284 Wt. Pipe Run — WL 7.2
 Total Depth 3315 Chlorides 5100 ppm System LCM 1

Blow Description IF - 2 1/2" blow back
ISI - No blow back
FF - 6 1/2" blow
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>6HOCM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
Rec	Feet of <u>62' of G.I.P.</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45' BHT 97° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1604</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:50 pm</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:34 am</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:04 am</u>
(D) Initial Shut-In <u>194</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>5:19 am</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>6:37 am</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>34 RT 52.70</u>	Comments
(G) Final Shut-In <u>222</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1542</u>	<input type="checkbox"/> Straddle	

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1527.70
 MP/DST Disc't

Sub Total 1527.70

Approved By _____ Our Representative Cody Black

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Test Ticket

NO. 46313

Well Name & No. Marshall "A" #39 Test No. 3 Date 4-18-12
 Company E & B Natural Resources Elevation 2046 KB 2041 GL
 Address 1600 Norris RD, Bakersfield CA, 93308
 Co. Rep / Geo. Bob O'Dell Rig Murfin 16
 Location: Sec. 36 Twp. 11S Rge. 18W Co. Ellis State KS

Interval Tested 3517-3568 Zone Tested Arbuckle
 Anchor Length 51' Drill Pipe Run 3486 Mud Wt. 9.1
 Top Packer Depth 3512 Drill Collars Run 30 Vis 50
 Bottom Packer Depth 3517 Wt. Pipe Run — WL 7.2
 Total Depth 3568 Chlorides 6900 ppm System LCM —

Blow Description IF - B.O.B. in 1 Min.
ISI - 1/4" blow, died in 29 Min.
FF - B.O.B. in 1 Min.
FSI - Surface blow, died in 27 Min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>60CM</u>	<u>5</u>	<u>15</u>	<u>80</u>	
<u>1799</u>	<u>6MCO</u>	<u>30</u>	<u>60</u>	<u>10</u>	
<u>31</u>	<u>6VSOCM</u>	<u>5</u>	<u>5</u>	<u>90</u>	
<u>0</u>	<u>155' of G.I.P.</u>				

Rec Total 1954 BHT 109° Gravity 31 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic	<u>1787</u>	<input checked="" type="checkbox"/> Test	<u>1150'</u>	T-On Location	<u>2:05 am</u>
(B) First Initial Flow	<u>262</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>2:41 am</u>
(C) First Final Flow	<u>599</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75'</u>	T-Open	<u>4:25 am</u>
(D) Initial Shut-In	<u>882</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>7:40 am</u>
(E) Second Initial Flow	<u>534</u>	<input type="checkbox"/> Hourly Standby	<u>1/2 hr 50</u>	T-Out	<u>11:28 am</u>
(F) Second Final Flow	<u>746</u>	<input checked="" type="checkbox"/> Mileage	<u>34 RT 52.70</u>	Comments	
(G) Final Shut-In	<u>869</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1744</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Sub Total 1577.70
 Total 1577.70
 MP/DST Disc't —

Approved By _____ Our Representative Cody Bl...
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Test Ticket

NO. 46314

Well Name & No. Marshall "A" #39 Test No. 4 Date 4-18-12
 Company E & B Natural Resources Elevation 2046 KB 2041 GL
 Address 1600 Norris RD, Bakersfield CA, 93308
 Co. Rep / Geo. Bob O'Dell Rig Murfin 16
 Location: Sec. 6 Twp. 11s Rge. 18w Co. Ellis State KS

Interval Tested ~~3571-3584~~ 3571-3584 Zone Tested Arbuckle
 Anchor Length 13' Drill Pipe Run 3517 Mud Wt. 9.2
 Top Packer Depth 3566 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 3571 Wt. Pipe Run — WL 7.6
 Total Depth 3584 Chlorides 6900 ppm System LCM —

Blow Description IF - B.O.B. in 18 Min.
±SI - No blow back.
FF - B.O.B. in 27 Min.
FSI - surface blow throughout.

Rec	Feet of	%gas	%oil	%water	%mud
<u>434</u>	<u>W</u>		<u>100</u>		
<u>25</u>	<u>GO</u>	<u>2</u>	<u>98</u>		

Rec Total 459 BHT 110° Gravity — API RW .15 @ 60 °F Chlorides 60,000 ppm

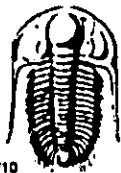
(A) Initial Hydrostatic <u>1774</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:10pm</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>5:31pm</u>
(C) First Final Flow <u>96</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>7:25pm</u>
(D) Initial Shut-In <u>1011</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>10:40pm</u>
(E) Second Initial Flow <u>97</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:53am</u>
(F) Second Final Flow <u>220</u>	<input checked="" type="checkbox"/> Mileage <u>34RT 52.70</u>	Comments
(G) Final Shut-In <u>1010</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1697</u>	<input type="checkbox"/> Straddle	

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1527.70
 MP/DST Disc'l

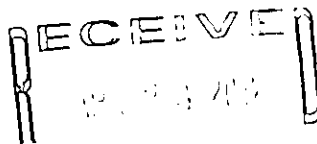
Approved By _____ Our Representative Cody Bl...

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Test Ticket

NO. 46315

Well Name & No. Marshall "A" #39 Test No. 5 Date 4-19-12
 Company E & B Natural Resources Elevation 2046 KB 2041 GL
 Address 1600 Norris RD, Bakersfield CA, 93308
 Co. Rep / Geo. Bob O'Dell Rig Murfin 16
 Location: Sec. 36 Twp. 11S Rge. 18W Co. Ellis State KS

Interval Tested 3590-3598 Zone Tested Ar buckle
 Anchor Length 8' Drill Pipe Run 3550 Mud Wt. 9.2
 Top Packer Depth 3585 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 3590 Wt. Pipe Run — WL 7.6
 Total Depth 3598 Chlorides 6,900 ppm System LCM —

Blow Description IF - B.O.B. in 1 Min.
ISI - Surface blow.
FF - B.O.B. in 1 Min.
FSI - Surface blow throughout.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MW-oil scum</u>		<u>80</u>	<u>20</u>	
<u>162</u>	<u>VSOCW</u>	<u>5</u>	<u>95</u>		
<u>248</u>	<u>6 HOCW</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>40</u>	<u>Free oil</u>	<u>100</u>			

Rec Total 1962 BHT 107° Gravity — API RW .15 @ 50° F Chlorides 70,000 ppm

(A) Initial Hydrostatic <u>1864</u>	<input checked="" type="checkbox"/> Test <u>1150'</u>	T-On Location <u>6:30 am</u>
(B) First Initial Flow <u>114</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>7:20 am</u>
(C) First Final Flow <u>638</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>9:05 am</u>
(D) Initial Shut-In <u>1025</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>12:20 pm</u>
(E) Second Initial Flow <u>641</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:27 pm</u>
(F) Second Final Flow <u>996</u>	<input checked="" type="checkbox"/> Mileage <u>34 RT 52.70</u>	Comments _____
(G) Final Shut-In <u>1024</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1772</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1527.70

Sub Total 1527.70

Approved By _____ Our Representative Cody Blewett

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