

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1146219

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 # | | API No. 15 |
|--|--|---|
| Name: | | Spot Description: |
| Address 1: | | |
| Address 2: | | Feet from North / South Line of Section |
| City: S | state: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | · | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | | |
| CONTRACTOR: License # | | County: |
| | | Lease Name: Well #: |
| | | Field Name: |
| 0 | | Producing Formation: |
| Designate Type of Completion: | | Elevation: Ground: Kelly Bushing: |
| | e-Entry Workover | Total Depth: Plug Back Total Depth: |
| Oil WSW Gas D&A OG CM (Coal Bed Methane) Cathodic Other (Control of the control of t | SWD SIOW ENHR SIGW GSW Temp. Abd. | Amount of Surface Pipe Set and Cemented at: Fee Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Fee If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt |
| If Workover/Re-entry: Old Well Ir | nfo as follows: | |
| Well Name: | Original Total Depth: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls |
| Deepening Re-per | f. Conv. to ENHR Conv. to SWD | Dewatering method used: |
| Plug Back: | Plug Back Total Depth | Location of fluid disposal if hauled offsite: |
| Commingled | Permit #: | Operator Name: |
| Dual Completion | Permit #: | License #: |
| | Permit #: | Quarter Sec TwpS. R East Wes |
| | Permit #: | County: Permit #: |
| GSW | Permit #: | County Pethilt# |
| Spud Date or Date Re Recompletion Date | ached TD Completion Date or Recompletion Date | |

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.

Submitted Electronically

| 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: Date: | | | | | | |

| | Side Two | 1146219 |
|-----------------------|-------------|---------|
| Operator Name: | Lease Name: | Well #: |
| Sec TwpS. R East West | County: | |
| | | |

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 (Attach Additional Sheets) | | Yes No | | - | n (Top), Depth and | | Sample | |
|---|----------------------|---|---------------------------|----------------------|--------------------|-----------------|-------------------------------|--|
| Samples Sent to Geolog | gical Survey | Yes No | Nar | ne | | Тор | Datum | |
| Cores Taken Electric Log Run Electric Log Submitted Electronically <i>(If no, Submit Copy)</i> | | Yes No Yes No Yes No | | | | | | |
| List All E. Logs Run: | | | | | | | | |
| | | CASIN | | lew Used | | | | |
| | | Report all strings se | et-conductor, surface, in | termediate, producti | on, 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 | |
| | | | | | | | | |
| | | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: —— Perforate | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|-----------------------------|---------------------|----------------|--------------|----------------------------|
| Protect Casing Plug Back TD | | | | |
| Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | | | | | e | | | ement Squeeze Record I of Material Used) | Depth |
|--------------------------------------|---|-----------------|----------------------------------|-----------------|-------------------------|------------------------------|----------|-----------------|---|---------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TUBING RECORD: | TUBING RECORD: Size: Set At: | | t: Packer At: Liner Run: | | No | | | | | |
| Date of First, Resumed P | Producti | on, SWD or ENHF | ₹. | Producing N | 1ethod: | ping | Gas Lift | Other (Explain) | | |
| Estimated Production Per 24 Hours | | Oil Bb | ls. | Gas | Mcf | Wate | ər | Bbls. | Gas-Oil Ratio | Gravity |
| | | | | | | | | | | |
| DISPOSITION OF GAS: | | | METHOD OF COMPLETION: | | | PRODUCTION INT | ERVAL: | | | |
| Vented Sold Used on Lease | | | Open Hole Perf. Dually (Submit A | | Comp. AC <i>O-5)</i> | Commingled (Submit ACO-4) | | | | |
| (If vented, Submit ACO-18.) | | | | Other (Specify) | | | | | | |

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

| Form | ACO1 - Well Completion | | | | |
|-----------|--------------------------|--|--|--|--|
| Operator | Palomino Petroleum, Inc. | | | | |
| Well Name | Williamson 1 | | | | |
| Doc ID | 1146219 | | | | |

Tops

| Name | Тор | Datum |
|------------|------|---------|
| Anhy. | 2014 | (+ 566) |
| Base Anhy. | 2048 | (+ 532) |
| Heebner | 3846 | (-1269) |
| Lansing | 3888 | (-1308) |
| Stark | 4127 | (-1547) |
| Ft. Scott | 4388 | (-1808) |
| Miss. | 4476 | (-1896) |
| Miss. Dol. | 4482 | (-1902) |
| LTD | 4624 | (-1044) |



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 **RECEIVED** - **APR** 2 7 2013



Invoice Number: 135839 Invoice Date: Apr 15, 2013 Page: 1



| Customer ID | Field Ticket # | Payment | Terms |
|-------------------|----------------|--------------|----------|
| Palo | 60401 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-03 Great Bend | | Apr 15, 2013 | 5/15/13 |

| Quantity | Item | Description | Unit Price | Amount | | | |
|---------------|---------------------------------|------------------------|------------|-----------------------|--|--|--|
| | | Williamson #1 | | | | | |
| 162.00 | | Class A Common | 2,899.80 | | | | |
| 108.00 | | Pozmix | 9.35 | 1,009.80 | | | |
| 9.00 | | Gel | 23.40 | 210.60 | | | |
| 68.00 | MAT | Flo Seal | 2.97 | 201.96 | | | |
| 289.53 | | Cubic Feet | 2.48 | 718.03 | | | |
| 387.00 | SER | Ton Mileage | 2.60 | 1,006.22 | | | |
| 1.00 | SER | Plug to Abandon | 2,483.59 | 2,483.59 | | | |
| 32.00 | SER | Pump Truck Mileage | 7.70 | 246.40 | | | |
| 32.00 | SER | Light Vehicle Mileage | 4.40 | 140.80 | | | |
| 1.00 | EQUIP OPER | Joshua Isaac | | | | | |
| 1.00 | OPER ASSIST | Ben Newell | | | | | |
| Cemen | ement for plugging 4/15 | | | | | | |
| ALL PRICES AR | E NET, PAYABLE | Subtotal | | 8,917.20 | | | |
| 30 DAYS FOLLO | OWING DATE OF | | Sales Tax | | | | |
| | 2% CHARGED | Total Invoice Amount | | 9,478.98 | | | |
| | IF ACCOUNT IS (E DISCOUNT OF | Payment/Credit Applied | | | | | |
| | | TOTAL | | | | | |
| | 2,229.30 ON OR BEFORE | | | 9,478.98 -2,229.30 | | | |
| May 1 | 0, 2013 | | | 7,249.68 | | | |

ALLIED OIL & GAS SERVICES, LLC 060401

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 SERVICE POINT: Great Bend, KS

| DATE 4-15-13 | SEC. | TWP. | RANGE 2614 | CALLED OUT | ON LOCATION | JOB START | JOB FINISH H: 30 Au |
|-----------------|-----------|------|---------------|--------------------------------------|--------------|-----------|------------------------|
| LEASEWilliemson | WELL # | 1 | LOCATION 1 | rth on Ord 3 miles occution (99m) | si kest Into | COUNTY | STATE KS |
| OLD OR NEW (Ci | rcle one) | , | | | | | |

CONTRACTOR Pickiell 10

| TYPE OF JOB PTA | |
|------------------------|---------------|
| HOLE SIZE 77/84 | T.D. 4620\$4 |
| CASING SIZE 85%" 235 | DEPTH 225\$4 |
| TUBING SIZE | DEPTH |
| DRILL PIPE 41/2" 16.60 | DEPTH 2060 F+ |
| TOOL | DEPTH |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT |
| CEMENT LEFT IN CSG. | |
| PERFS. | |
| DIODI ACCIMENT LUDA I | |

DISPLACEMENT WBM + FW

EQUIPMENT

| PUMP TRUCK | CEMENTER Charles EIKins |
|-------------------------|-------------------------|
| # 398 | HELPER Josh I sace |
| BULK TRUCK # 344//70 | DRIVER Ben Newell |
| BULK TRUCK | |
| # | DRIVER |

REMARKS:

| Plug 1@ 206051: 6FW, 12.5cm+ 2FW, 23W3 | M (505x) |
|--|----------------|
| Play 20 1280 Ft: 6 FW, 20000, 12.5 FW | (805×) |
| Phile, 30, 600Ft; 6 FW, 10 cmt, 5.5 FW | (403x) |
| Plug 4@ 14084: 6FW, 12.5 out, 5FW | (505x) |
| P1450 60 64; 5 cart | (205×) |
| Muc Rot Hole with 7.5 cmt | <u>į zəsxj</u> |

CHARGE TO: Palomino Petroleym

STREET _____

CITY_____ STATE _____ ZIP____

OWNER Palomino Potroleum

CEMENT AMOUNT ORDERED <u>27051 60140+486664</u> +25 BK F10-Seal

| COMMON 162 | @ 17.90 | 2.8899.80 |
|----------------------|---------|-----------|
| POZMIX IOS | 0 9.35 | 1009.80 |
| GEL 9 | @ 23.40 | 210.00 |
| CHLORIDE | @ | |
| ASC | @ | |
| Alose 1 68 | @ 2.97 | 201.96 |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| HANDLING 289.53 | @2.48 | 718.02 |
| MILEAGE 12.09 X 32 X | 2-60 | 1006.32 |
| | TOTAL | 6.076.41 |

SERVICE

| DEPTH OF JOB | 2060 |) | |
|-----------------|--------------|--|--------|
| PUMP TRUCK CHAI | RGE <u> </u> | 83. 52 | |
| EXTRA FOOTAGE | @ | <u>} </u> | |
| MILEAGE 14 vm | <u> </u> | 7.70 | 246.20 |
| MANIFOLD | |) | |
| LUM | 32 @ | 4.40 | 140.80 |
| | 6 | ` | |

TOTAL 2. 876. 79

PLUG & FLOAT EQUIPMENT

| | @ | <u></u> |
|---|---|-------------|
| | @ | |
| | 0 | |
| · | @ | |
| | @ | |

TOTAL _____

| SALES TAX (If Any) |
|-----------------------------|
| TOTAL CHARGES 8.917. 29 |
| 2. 229.30 |
| DISCOUNT IF PAID IN 30 DAYS |
| 6.687.90 |

To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment

and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME <u>Erin ZecHit</u> SIGNATURE <u>Engent</u>



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827 RECEIVED

APR 1 3 2013

INVOICE

Invoice Number: 135596 Invoice Date: Apr 4, 2013 Page: 1



| Customer ID | Field Ticket # | Payment | Terms | |
|--------------|----------------|--------------|----------|--|
| Palo | 59331 | Net 30 Days | | |
| Job Location | Camp Location | Service Date | Due Date | |
| KS1-01 | Great Bend | Apr 4, 2013 | 5/4/13 | |

| Quantity | Item | | Description | Unit Price | Amount |
|---------------|------------------------------|----------|------------------------|------------|----------|
| | | Williams | son #1 | | |
| 150.00 | MAT | Class A | Common | 17.90 | 2,685.00 |
| 3.00 | MAT | Gel | | 23.40 | 70.20 |
| 5.00 | MAT | Chloride | 9 | 64.00 | 320.00 |
| 50.00 | MAT | Sugar | | 1.27 | 63.50 |
| 169.02 | SER | Cubic F | eet | 2.48 | 419.16 |
| 236.80 | SER | Ton Mil | eage | 2.60 | 615.68 |
| 1.00 | SER | Surface |) | 1,512.25 | 1,512.25 |
| 32.00 | SER | Pump T | ruck Mileage | 7.70 | 246.40 |
| 32.00 | SER | Light Ve | ehicle Mileage | 4.40 | 140.80 |
| 1.00 | CEMENTER | Dustin (| Chambers | | |
| 1.00 | EQUIP OPER | Kevin E | ddy | | |
| 1.00 | EQUIP OPER | Daniel (| - | | |
| 1.00 | OPER ASSIST | | Kinyon | | |
| 1.00 | CEMENTER | Patrick | Helgerson | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | <u> </u> | Subtotal | | 6,072.99 |
| ALL PRICES AF | RE NET, PAYABL | Ē | Sales Tax | | 197.74 |
| 30 DAYS FOLL | OWING DATE OF /2% CHARGED | - | | 6,270.73 | |
| THEREAFTER | IF ACCOUNT IS | | Total Invoice Amount | | 0,270.73 |
| | KE DISCOUNT OF | | Payment/Credit Applied | | |
| ¢ | 1,518.24 | | TOTAL | | 6,270.73 |
| \$ | 1,010.24 | | | | |
| | | | | | |

ONLY IF PAID ON OR BEFORE Apr 29, 2013

ALLIED OIL & GAS SERVICES, LLC 36933

Federal Tax I.D.# 20-5975804 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 612.7 erd the - 4 SEC. TWP. RANGE CALLED OUT ON LOCATION DATE 13 JOB START グノラウ JOB FINISH 165 121.50 10:00 AN Willian 4.2 n COUNTY STATE WELL# 3N 1SE LOCATION CG 2F3 11255 んう OLD OR NEW (Circle one) Pickrell Prillin CONTRACTOR 仕10 OWNER TYPE OF JOB Surface HOLE SIZE 17/14 T.D CEMENT 4519 CASING SIZE AMOUNT ORDERED 150 5KS 1/055A 4 DEPTH TUBING SIZE DEPTH 341167-19901 DRILL PIPE 16 DEPTH TOOL DEPTH PRES. MAX 2.685.00 @17.90 MINIMUM COMMON 150 SHOE JOINT MEAS. LINE POZMIX 0 CEMENT LEFT IN CSG @ 23.40 70.20 GEL @ 64.00 PERFS. CHLORIDE 320.00 DISPLACEMENT 11 bbls Freshwards 3 ASC 0 54994 EQUIPMENT <u> 50 \$</u> @ /. 3 2 @ @ PUMP TRUCK CEMENTER Dugth Chambred 5 0 606 HELPER Kevin Eddy @ BULK TRUCK 0 # 615-241 DRIVER CNC, G 0 BULK TRUCK 0 # DRIVER HANDLING 169.02 @<u>Z.Y8</u> YIG POTRICK Helge 50 i Ø MILEAGE 7.4 X 32 60 61 **REMARKS:** TOTAL <u>7.173</u> KC 11 culorton 1ch D51615 Freshwood SERVICE 150 St. 6 Class A 3.4.60 Jumer Digplore 13,11 1115 Fresh DEPTH OF JOB N 1512.35 9 GLIT 16 PUMP TRUCK CHARGE ct/ Culore 12DANT EXTRA FOOTAGE @ Dlug 9:30 30 7.70 Æ 40 246. MILEAGE Hum 0 B.W Dou 0 MANIFOLD 0 hr wati Lum 32 @ 1.YO 146. 0 Palantho Pario CHARGE TO: TOTAL 1.899. 45 STREET ZIP_ CITY_ STATE. PLUG & FLOAT EOUIPMENT 0 0 0 To: Allied Oil & Gas Services. LLC. 0 You are hereby requested to rent cementing equipment 0 and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTAL _ done to satisfaction and supervision of owner agent or

PRINTED NAMEX MIKE KIN SIGNATURE X MIKE KEN THOMKKOU!!

contractor. I have read and understand the "GENERAL

TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any). TOTAL CHARGES 6.072 27 18 .5 DISCOUNT . IF PAID IN 30 DAYS 74

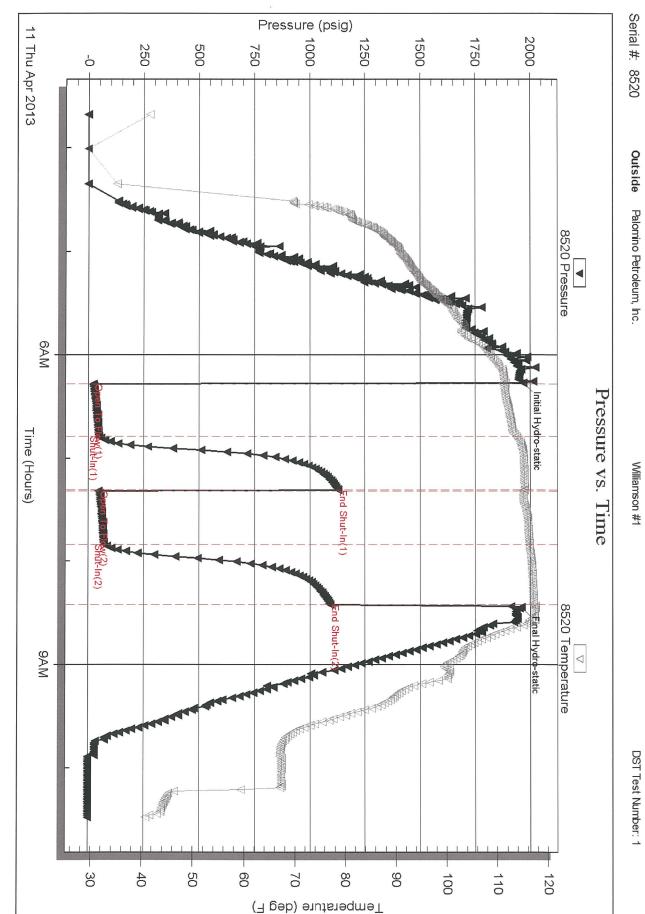
| RILOBITE | DRILL STEM TES | TREPO | ORT | | | | |
|--|---|--|--|-------------------------------|---|---|------------------------------|
| | Palomino Petroleum, Inc. | | 2/16 | S/26W- | Ness | | |
| ESTING , INC | 4924 S.E. 84th St. New ton, KS 67114 | | | l iamson Ticket: 52 | | DST# | ¥• 1 |
| | ATTN: Jerry Smith | | | | | @ 03:40:45 | |
| GENERAL INFORMATION: Formation: LKC "H-L" Deviated: No Whipstock: Time Tool Opened: 06:16:45 Time Test Ended: 10:28:45 Interval: 4035.00 ft (KB) To 419 | ft (KB) | | Test Unit | er: D | Dustin Ras 66 | h | Hole (Initial) 00 ft (KB) |
| Interval:4055.00 ft (KB) f0419Total Depth:4192.00 ft (KB) (TVIHole Diameter:7.88 inchesHole | D) | | Nere | | o GR/CF: | 2573.0 | D0 ft (CF) D0 ft |
| Serial #: 8520 Outside Press@RunDepth: 70.44 psig @ Start Date: 2013.04.11 Start Time: 03:40:45 | End Date: End Time: | 2013.04.11 10:28:45 | Capacity: Last Calib Time On E Time Off I | : Btm: 2 | | 8000.0 2013.04. ⁻ @ 06:16: ⁻ @ 08:26:4 | 15 |
| TEST COMMENT: IF-Weak building b ISI-No Return. FF-Weak building FSI-No Return. | olow . Built to 8 inches. | | | | | | |
| Pressure vs. Tir S500 Pressure | ne SSD Temperature | | | | E SUM | | |
| Contresue 200 100 100 100 100 100 100 100 | - 1/0 - 1/0 1/0 | Time (Min.) 0 1 31 63 63 94 129 131 | Pressure (psig) 1969.43 22.03 47.44 1129.80 46.63 70.44 1093.33 1960.25 | | Shut-In(1 End Shut Open To Shut-In(2 | Iro-static Flow (1)) -In(1) Flow (2)) -In(2) | |
| Recovery | | | | Gas | s Rates | | |
| Length (ft) Description 120.00 5%Oil/95%Mud | Volume (bbl) 1.68 | | | Choke (ii | nches) Pres | sure (psig) | Gas Rate (Mcf/d) |
| Trilobite Testing. Inc | Ref. No: 52109 | | | | | 1 @ 11:05 | |

| Dritter STREPORT FLUID SUMM Pairmine Petroleum, Inc. 2/165/26W-Ness 424 S.E. B4th St. Autor, KS 67114 New ton, KS 67114 Job Ticket: 52109 DST#:1 ATTN: Jerry Smith Test Star: 2013.04.11 @ 03:40:45 Mud Valgint: 9:00 blogal Cushion Type: OI APE deg. Wid Weight: 9:00 blogal Cushion Type: OI APE deg. Vid Weight: 9:00 blogal Cushion Type: DI APE deg. Vid Weight: 9:00 blogal Cushion Type: DI APE deg. Vid Weight: 9:00 blogal Cushion Notume: bbi bbi Water Salinity: ppm Vid Cosity: 45:00 sec/qt Cushion Type: psig salinity: psig Salinity: 3000.00 ppm Filter Cake: inches tr tr bbi Recovery Information Num Fast Star: 1683 bbi Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Location: Recovery Comments: | |
|---|----|
| New ton, KS 67114 Job Ticket: 52109 DST#:1 ATTN: Jerry Smith Test Start: 2013.04.11 @ 03:40:45 Mud and Cushion Information Oil API: deg. Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 45.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.80 in³ Gas Cushion Pressure: psig Salinity: 3000.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume 120.00 5%GW95%Mud 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: | |
| New ton, KS 67114 Job Ticket: 52109 DST#:1 ATTN: Jerry Smith Test Start: 2013.04.11 @ 03:40:45 Mud and Cushion Information Oil API: deg. Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 45.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.80 in³ Gas Cushion Pressure: psig Salinity: 3000.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume 120.00 5%GW95%Mud 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 0 Serial #: | |
| ATTN: Jerry Smith Test Start: 2013.04.11 @ 03:40:45 Mud and Cushion Information Mud Type: Gel Chem Oil AP: deg. Mud Weight: 9.00 lb/gal Cushion Type: Oil AP: deg. Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 45.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.80 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig salinity: psig Salinity: 3000.00 ppm Filter Cake: inches recovery Table Image: Comparison Volume Volume: 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #: Laboratory Location: | |
| Mud Type: Gel Chem Cushion Type: Oil API: deg a Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 45.00 sec/qt Cushion Volume: bbl bbl bbl Water Loss: 6.80 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 3000.00 ppm Filter Cake: inches recovery Table Recovery Information Recovery Table Length Description Volume ft 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location: Laboratory Location: | |
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| Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 3000.00 ppm Filter Cake: inches Recovery Information Recovery Table Length Description Volume ft 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Laboratory Name: Laboratory Location: | |
| Salinity: 3000.00 ppm Filter Cake: inches Recovery Information Recovery Table | |
| Filter Cake: inches Recovery Information Recovery Table Length Description Volume 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location: | |
| Recovery Information Recovery Table Length Description Volume 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: Volume: | |
| Recovery Table Length ft Description Volume bbl 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory | |
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| 120.00 5%Oil/95%Mud 1.683 Total Length: 120.00 ft Total Volume: 1.683 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: | |
| Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: | |
| Laboratory Name: Laboratory Location: | |
| Laboratory Name: Laboratory Location: | |
| Recovery Comments: | |
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Ref. No: 52109





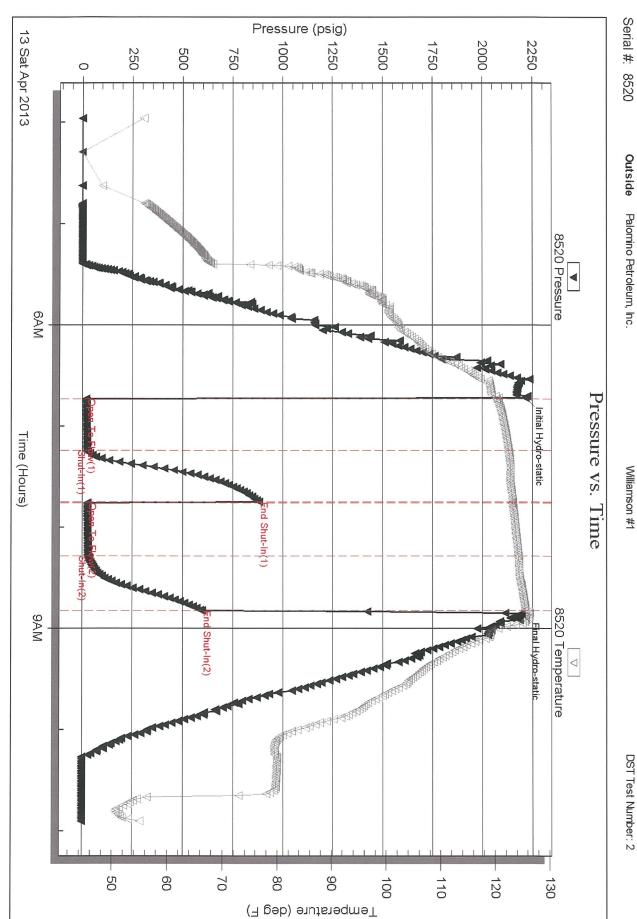
| RILOBITE | Palomino Petro | | | | 0.000 | Nee | | |
|---|---|---|---|---|---|---|---|---|
| TESTING, | | Dieum, inc. | | 2/10 | 6S/26W· | -Ness | | |
| | , #VC. 4924 S.E 84th New ton, KS 6 | | | | liamsor Ticket: 52 | | DST# | 2 |
| | ATTN: Jerry | Smith | | | |)13.04.13 @ | | - |
| GENERAL INFORMATION: | L | | | | | | | — • — • • • • • • • • • • • • • • • • • |
| Formation:MississippiarDeviated:NoWhipsterTime Tool Opened:06:43:30Time Test Ended:10:54:30 | | (B) | | Test Test Unit | ter: [| Conventiona Dustin Rash 66 | al Bottom H า | ole (Initial) |
| Total Depth: 4507.00 ft (K | 4507.00 ft (KB) (T B) (TVD) esHole Condition: Fair | | | Refe | erence Ee KB t | evations: | 2573.0 | 0 ft(KB) 0 ft(CF) 0 ft |
| | | | | | | | | |
| Serial #: 8520OutsidePress@RunDepth:28.38Start Date:2013.0Start Time:03:5 | psig @ 4494.00 f 4.13 End Date | 2 | 2013.04.13 10:54:30 | Capacity: Last Calib Time On I Time Off | o.: Btm: 2 | | 8000.00 2013.04.13 @ 06:43:00 @ 08:51:30 | 3 D |
| FF-Weak s FSI-No Ret | urface blow . Built to 3/ urn. | /4 inch. | | | | | | |
| FSI-No Ret | Urn. ure vs. Time | | | PF | RESSUR | RESUMN | IARY | |
| FSI-No Ret | urn. | | Time (Min.) | Pressure (psig) | Temp (deg F) | Annotati | ion | |
| ESI-No Ret | urn. ure vs. Time 8000 Temperature | 120 | | Pressure (psig) 2215.87 | Temp (deg F) 120.69 | Annotati Initial Hydi | ion ro-static | |
| FSI-No Ret | urn. ure vs. Time 8000 Temperature | - 130 - 120 - 120 - 110 | (Min.) 0 1 31 | Pressure (psig) 2215.87 20.01 23.83 | Temp (deg F) 120.69 120.28 122.48 | Annotati Initial Hydr Open To F Shut-In(1) | ion ro-static Flow (1)) | |
| FSI-No Ret | urn. ure vs. Time 8000 Temperature | - 120 - 120 - 120 - 100 | (Min.) 0 1 31 62 | Pressure (psig) 2215.87 20.01 23.83 879.21 | Temp (deg F) 120.69 120.28 122.48 123.30 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- | ion ro-static Flow (1)) ·In(1) | |
| FSI-No Ret | urn. ure vs. Time 8000 Temperature | - 120 - 120 - 120 - 120 - 100 | (Min.) 0 1 31 62 | Pressure (psig) 2215.87 20.01 23.83 | Temp (deg F) 120.69 120.28 122.48 123.30 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Open To F | ion ro-static Flow (1)) -In(1) Flow (2) | |
| FSI-No Ret | urn. ure vs. Time 8000 Temperature | - 120 - 120 - 120 - 120 - 100 | (Min.) 0 1 31 62 63 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- | ion ro-static Flow (1)) In(1) Flow (2)) In(2) | |
| Press SCOP Pressure SCOP Pressure | Urn. | | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- | ion ro-static Flow (1)) In(1) Flow (2)) In(2) | |
| FSI-No Ret | urn. | | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut- | ion ro-static Flow (1)) In(1) Flow (2)) In(2) | |
| FSI-No Ret | Urn. | | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr | ion ro-static Flow (1)) -In(1) Flow (2)) -In(2) ro-static | Gas Rate (Mcf/d) |
| FSI-No Ret | Urn. | | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr | ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static | Gas Rate (Mcf/d) |
| FSI-No Ret | urn. | 120 120 120 100 00 00 00 00 00 00 00 00 00 00 00 0 | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr | ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static | Gas Rate (Mcf/d) |
| FSI-No Ret | urn. | Volume (bbl) 0.25 | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr | ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static | Gas Rate (Mcf/d) |
| FSI-No Ret | urn. | Volume (bbl) 0.25 | (Min.) 0 1 31 62 63 94 127 | Pressure (psig) 2215.87 20.01 23.83 879.21 25.30 28.38 595.39 | Temp (deg F) 120.69 120.28 122.48 123.30 123.00 124.27 125.54 126.28 | Annotati Initial Hydr Open To F Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr | ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static | Gas Rate (Mcf/d) |

| RILOBITE | DRILL STEM TES | TREP | ORT | | | |
|--|--|------------------------|--|------------------------------|-------------------|-----------------------------------|
| | Palomino Petroleum, Inc. | | 2/16S/26 | W-Ness | | |
| ESTING , INC | 4924 S.E. 84th St. New ton, KS 67114 | | Williams | | | |
| | ATTN: Jerry Smith | | Job Ticket: | 52110 2013.04.13 | DST | |
| | | | | 2013.04.13 | @ 03.47.30 | J |
| GENERAL INFORMATION: Formation: Mississippian | | | | | | |
| Deviated: No Whipstock: Time Tool Opened: 06:43:30 Time Test Ended: 10:54:30 | ft (KB) | | Test Type: Tester: Unit No: | Conventio Dustin Ra 66 | | Hole (Initial) |
| Interval:4425.00 ft (KB) To45Total Depth:4507.00 ft (KB) (TVHole Diameter:7.88 inchesHole | | | | Elevations: (B to GR/CF: | 2573. | 00 ft (KB) 00 ft (CF) 00 ft |
| Serial #: 8354InsidePress@RunDepth:psigStart Date:2013.04.13Start Time:03:57:15 | 4494.00 ft (KB) End Date: End Time: | 2013.04.13 10:54:45 | Capacity: Last Calib.: Time On Btm: Time Off Btm: | | 8000. 2013.04. | 00 psig 13 |
| TEST COMMENT: IF-Very weak bu ISI-No Return. FF-Weak surface FSI-No Return. | e blow . Built to 3/4 inch. | 1 | DDESS | URE SUM | MARY | |
| 8354 Pressure | 8354 Temperature | Time | PRESS Pressure Tem | | | |
| Clog of the second seco | тегренцие (deg F) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | (Min.) | (psig) (deg | F) | | |
| Recovery | er men en net Weit i de Miller de la de la ser nemen agres men en e | | , | Gas Rates | | |
| Length (ft) Description | Volume (bbl) | | Cho | oke (inches) Pre | essure (psig) | Gas Rate (Mcf/d) |
| 18.00 5%Oil/95%Mud 2.00 100%Oil | 0.25 0.03 | | | | | |
| | | | | | | |
| Trilobite Testing Inc | Ref. No: 52110 | | | ed: 2013.04. | | |

Printed: 2013.04.13 @ 11:58:08

Ref. No: 52110

Trilobite Testing, Inc



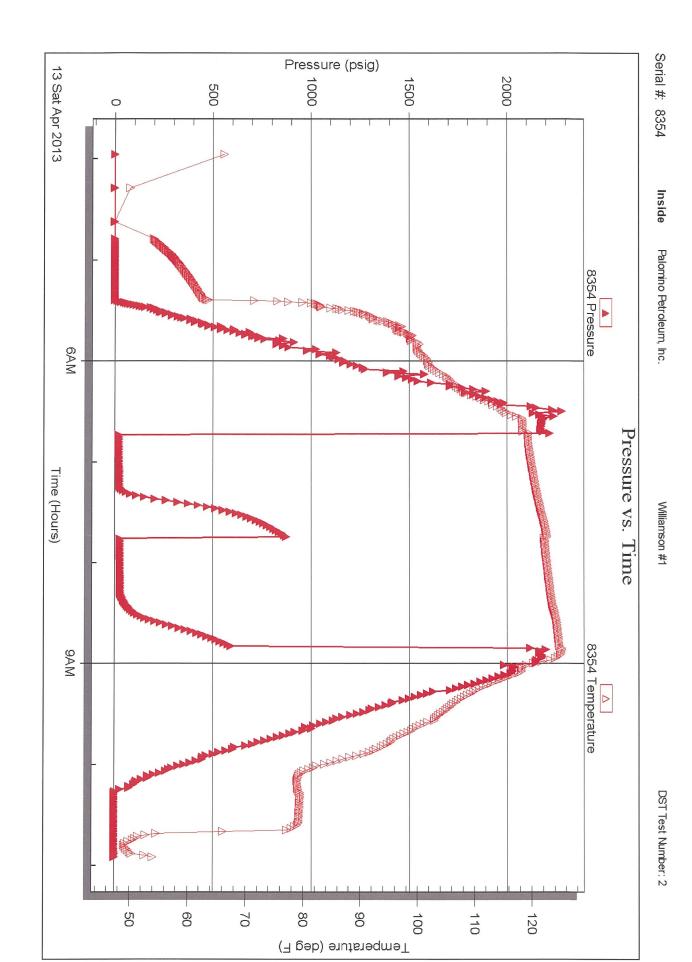
Williamson #1

DST Test Number: 2



Ref. No: 52110

Trilobite Testing, Inc



| RILOBITE | Palomino Petroleum, Inc. | | 2/1 | 6S/26W | -Ness | | |
|---|--|---|--|---|--|---|-----------------|
| ESTING, INC | 4924 S.E. 84th St. | | \A/i | lliamsor | n #1 | | |
| | New ton, KS 67114 | | | Ticket: 52 | | DST# | 4.2 |
| | | | | | | | |
| | ATTN: Jerry Smith | | les | st Start: 20 |)13.04.14 (| @ 08:11:00 | |
| GENERAL INFORMATION: | | | | | | | |
| Formation: Mississippian | | | | | | | |
| Deviated: No Whipstock: | ft (KB) | | | | | nal Straddle | (Reset) |
| Time Tool Opened: 10:25:30 Time Test Ended: 14:39:30 | | | | | Cody Bloe 66 | aorn | |
| nterval: 4502.00 ft (KB) To 45 | 25 00 ft (KB) (T\/D) | | | erence Ee | | 2580 (| 00 ft(KB) |
| Total Depth: 4502.00 ft (KB) (TV | | | ner | | | | 0 ft (CF) |
| Hole Diameter: 7.88 inches Hole | | | | KB t | to GR/CF: | | 00 ft |
| Serial #: 8354 Inside | | | | | | | |
| Press@RunDepth: 21.91 psig (| @ 4503.00 ft (KB) | | Capacity | <i>r</i> : | | 8000.0 | 0 psig |
| Start Date: 2013.04.14 | End Date: | 2013.04.14 | Last Cali | | | 2013.04.1 | • • |
| Start Time: 08:21:00 | End Time: | 14:39:30 | Time On | Btm: 2 | 2013.04.14 | 4 @ 10:25:0 | 00 |
| | | | Time Off | Btm: 2 | 2013.04.14 | 4 @ 12:26:3 | 30 |
| 30 - FF- No blow 30 - FSI- No retur Pressure vs. Ti | ime | | P | RESSUF | RE SUMI | MARY | |
| | 'n | | | | | | |
| 30 - FSI- No retur Pressure vs. Tr | ime | T | · | | 1 | | |
| 30 - FSI- No retur | | Time (Min.) | Pressure | Temp | RE SUMI Annota | | |
| 200 Pressure vs. Tr | me 8354 Tempitawe | (Min.) | · | Temp (deg F) 124.81 | Annota Initial Hyd | tion dro-static | |
| 30 - FSI- No retur Pressure vs. Tr | me 2354 Temperature 130 | (Min.) 0 1 | Pressure (psig) 2295.63 18.74 | Temp (deg F) 124.81 124.52 | Annota Initial Hyd Open To | tion dro-static Flow (1) | |
| 200 Pressure vs. Tr | me E354 Temperature 130 130 130 130 | (Min.) 0 1 29 | Pressure (psig) 2295.63 18.74 19.09 | Temp (deg F) 124.81 124.52 125.76 | Annota Initial Hyd Open To Shut-In(1 | tion dro-static Flow (1) | |
| 200 FSI- No retur | me 8394 Temperature 130 120 100 100 100 100 100 100 10 | (Min.) 0 1 29 59 | Pressure (psig) 2295.63 18.74 19.09 1140.34 | Temp (deg F) 124.81 124.52 125.76 126.49 | Annota Initial Hyd Open To Shut-In(1 End Shut | tion dro-static Flow (1)) t-ln(1) | |
| 200 FSI- No retur | me 8304 Temperature 130 120 140 100 100 100 100 000 | (Min.) 0 1 29 59 60 91 | Pressure (psig) 2295.63 18.74 19.09 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 | tion Flow (1)) t-In(1) Flow (2) 2) | |
| 200 FSI- No retur | me 8304 Temperature 130 120 140 100 100 100 100 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 FSI- No retur | me 8304 Temperature 130 120 140 100 100 100 100 000 | (Min.) 0 1 29 59 60 91 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 FSI- No retur | me 8304 Temperature 130 120 140 100 100 100 100 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 - FSI- No retur | me ESSA Temperature 130 100 100 100 100 00 00 00 00 0 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 - FSI- No retur | me 834 Temperature 130 100 100 100 00 00 00 00 00 00 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 FSF No return | me 834 Temperature 130 100 100 100 00 00 00 00 00 00 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 30 - FSI- No retur | me 2301 Temperature 130 100 100 000 000 000 000 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | |
| 200 - FSI- No return | me 2301 Temperature 130 100 100 000 000 000 000 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.08 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) 2) t-In(2) | Gas Rate (Mcf/d |
| 30 - FSI- No retur | me 834 Temperature 130 140 150 150 150 150 150 150 150 15 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) ?) t-In(2) dro-static | Gas Rate (Mcf/d |
| 30 - FSI- No retur | me 834 Temperature 130 140 150 150 150 150 150 150 150 15 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) ?) t-In(2) dro-static | Gas Rate (Mcf/d |
| 30 - FSI- No retur | те 2501 Тетрензике 100 100 100 100 000 000 000 00 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) ?) t-In(2) dro-static | Gas Rate (Mcf/c |
| 30 - FSI- No retur | те 254 Тетрензике 130 100 100 100 100 000 000 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) ?) t-In(2) dro-static | Gas Rate (Mcf/d |
| 30 - FSI- No retur | те 254 Тетрензике 130 100 100 100 100 000 000 000 | (Min.) 0 1 29 59 60 91 120 | Pressure (psig) 2295.63 18.74 19.09 1140.34 19.89 21.91 913.81 | Temp (deg F) 124.81 124.52 125.76 126.49 126.63 127.13 126.94 | Annota Initial Hyd Open To Shut-In(1 End Shut- Gend Shut- Final Hyd | tion Flow (1)) t-In(1) Flow (2) ?) t-In(2) dro-static | Gas Rate (Mcf/d |

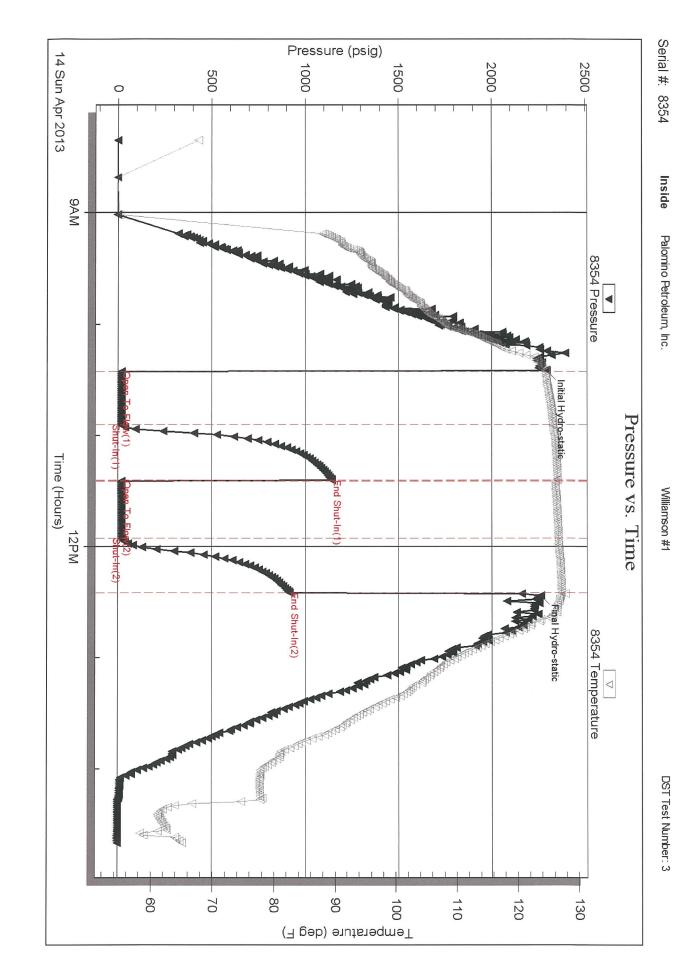
| RILOBITE | DRILL STEM TES | | | | | |
|--|---|-------------------------------|--|-------------------------------|----------------------|------------------------------|
| | Palomino Petroleum, Inc. | | 2/16S/26 | W-Ness | | |
| ESTING , INC | 4924 S.E. 84th St. | | Williams | on #1 | | |
| | New ton, KS 67114 | | Job Ticket: | 52173 | DST# | : 3 |
| | ATTN: Jerry Smith | | Test Start: | 2013.04.14 | @ 08:11:00 | |
| GENERAL INFORMATION: | | | | | | |
| Formation: Mississippian Deviated: No Whipstock: Fime Tool Opened: 10:25:30 Fime Test Ended: 14:39:30 | ft (KB) | | Test Type: Tester: Unit No: | Convention Cody Bloe 66 | nal Straddle dorn | (Reset) |
| nterval: 4502.00 ft (KB) To 45 Fotal Depth: 4620.00 ft (KB) (Tw 100 ft (KB) (Tw Hole Diameter: 7.88 inchesHole | ′D) | | | Elevations: B to GR/CF: | 2573.0 | 0 ft(KB) 0 ft(CF) 0 ft |
| | | | | | | |
| Serial #:8653Below (StradePress@RunDepth:psigStart Date:2013.04.14Start Time:08:11:01 | | 2013.04.14 14:37:30 | Capacity: Last Calib.: Time On Btm: Time Off Btm: | | 8000.0 2013.04.1 | 10 psig 4 |
| EST COMMENT: 30 - IF- 1.5" in 15 30 - ISI- No returr 30 - FF- No blow 30 - FSI- No retur | า ท | | 22500 | | | |
| Pressure vs. Ti etc. Pressure | me 5853 Temperature | Time | PRESS Pressure Tem | | | |
| 200 200 100 100 0 0 0 0 0 0 0 0 0 0 0 0 | 130 120 120 100 100 00 00 00 00 00 00 00 00 00 00 | (Min.) Temperature (deg F) | (psig) (deg | F) | | |
| | | | ļ (| Jas Rates | | |
| Recovery | | [| Cho | ke (inches) Pre | ssure (psig) | Gas Rate (Mcf/d) |
| Length (ft) Description | Volume (bbl) | | | | | |
| Length (ft) Description 15.00 Mud w ith oil spots, 100% | M 0.21 | L | | | | |
| Length (ft) Description | | | | | | |

| Length ft | s: 0 Num Gas Bombs: 0 Laboratory Location: | 2/16S/26W-Ness Williamson #1 Job Ticket: 52173 Test Start: 2013.04. Oil API: ft Water = bbl psig Volume bbl 0.210 0.028 38 bbl Serial #: | DST#: 3 .14 @ 08:11:00 |
|---|---|---|----------------------------------|
| Ind and Cushion Information ud Type: Gel Chem ud Weight: 9.00 lb/gal iscosity: 56.00 sec/qt iater Loss: 7.99 in ³ esistivity: ohm.m alinity: 2700.00 ppm ter Cake: inches ecovery Information Length ft 15. 2.0 Total Length: Num Fluid Samples: 0 Laboratory Name: Caboratory Name: | New ton, KS 67114 ATTN: Jerry Smith Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure: Recovery Table Description 5.00 Mud w ith oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | Job Ticket: 52173 Test Start: 2013.04. Oil API: ft Water bbl psig Volume bbl 0.210 0.028 | .14 @ 08:11:00 |
| Iud and Cushion Information ud Type: Gel Chem ud Weight: 9.00 lb/gal iscosity: 56.00 sec/qt /ater Loss: 7.99 in ³ esistivity: ohm.m alinity: 2700.00 ppm ter Cake: inches ecovery Information Length ft 15.1 | Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure: Recovery Table Description 5.00 Mud w ith oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | Test Start: 2013.04. Oil API: ft Water bbl psig Volume bbl 0.210 0.028 | .14 @ 08:11:00 |
| ud Type: Gel Chem ud Weight: 9.00 lb/gal iscosity: 56.00 sec/qt /ater Loss: 7.99 in ³ esistivity: ohm.m alinity: 2700.00 ppm ter Cake: inches ecovery Information Length ft 15. 2.0 Total Length: Num Fluid Samples: 0 Laboratory Name: | Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure: Recovery Table Description 5.00 Mud with oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | ft Water bbl psig Volume bbl 0.210 0.028 | |
| ud Weight: 9.00 lb/gal is cosity: 56.00 sec/qt /ater Loss: 7.99 in ³ esistivity: ohm.m alinity: 2700.00 ppm ter Cake: inches ecovery Information Length ft 15.1 2.0 Total Length: Num Fluid Samples: 0 Laboratory Name: | Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure: Recovery Table Description 5.00 Mud with oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | ft Water bbl psig Volume bbl 0.210 0.028 | ` |
| Length ft 15. 2. Total Length: Num Fluid Samples: Laboratory Name: | Description 5.00 Mud w ith oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | 0.210 0.028 | |
| ft 15. 2. Total Length: Num Fluid Samples: Laboratory Name: | Description 5.00 Mud w ith oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | 0.210 0.028 | |
| ft 15. 2. Total Length: Num Fluid Samples: Laboratory Name: | 5.00 Mud w ith oil spots, 100%M 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: 0 | 0.210 0.028 | |
| 15. 2. Total Length: Num Fluid Samples: 0 Laboratory Name: | 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | 0.210 0.028 38 bbl | |
| 2.0 Total Length: Num Fluid Samples: 0 Laboratory Name: | 2.00 Free oil 17.00 ft Total Volume: 0.23 s: 0 Num Gas Bombs: 0 Laboratory Location: | 0.028 | |
| Num Fluid Samples: (Laboratory Name: | s: 0 Num Gas Bombs: 0 Laboratory Location: | | |
| Laboratory Name: | Laboratory Location: | Serial #: | |
| | | | |

Printed: 2013.04.14 @ 23:05:14

Ref. No: 52173

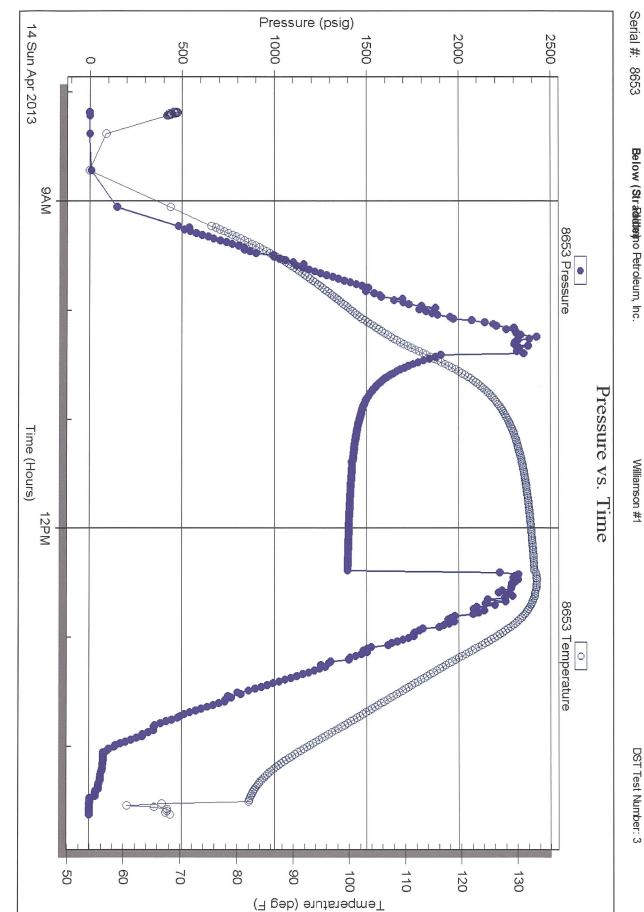




Printed: 2013.04.14 @ 23:05:14

Ref. No: 52173





Williamson #1