

Kansas Corporation Commission Oil & Gas Conservation Division

1104339

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: | SecTwpS. R |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | □NE □NW □SE □SW |
| CONTRACTOR: License # | County: |
| Name: | Lease Name: Well #: |
| Wellsite Geologist: | Field Name: |
| Purchaser: | Producing Formation: |
| Designate Type of Completion: | Elevation: Ground: Kelly Bushing: |
| New Well Re-Entry Workover | Total Depth: Plug Back Total Depth: |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt |
| Operator: | |
| Well Name: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR | Chloride content: ppm Fluid volume: bbls Dewatering method used: |
| Plug Back: Plug Back Total Depth | Location of fluid disposal if hauled offsite: |
| Commingled Permit #: | Operator Name: |
| Dual Completion Permit #: | Lease Name: License #: |
| SWD Permit #: | QuarterSec TwpS. R East West |
| ENHR Permit #: | County: Permit #: |
| GSW Permit #: | |
| Spud Date or Date Reached TD Completion Date or Recompletion Date 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

1104339

| Operator Name: | | | Lease Name: _ | | | _ Well #: | |
|--|---|--|-----------------------|----------------------------------|---|-------------------|-------------------------------|
| Sec Twp | S. R | East West | County: | | | | |
| time tool open and clo | sed, flowing and shut es if gas to surface tes | d base of formations per -in pressures, whether s st, along with final chart(well site report. | shut-in pressure rea | ached static level, | hydrostatic press | sures, bottom he | ole temperature, fluid |
| Drill Stem Tests Taken (Attach Additional S | | Yes No | | ₋og Formatio | n (Top), Depth an | d Datum | Sample |
| Samples Sent to Geol | · | ☐ Yes ☐ No | Nan | ne | | Тор | Datum |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) | d Electronically | Yes No Yes No Yes No | | | | | |
| List All E. Logs Run: | | | | | | | |
| | | CASING Report all strings set- | | lew Used 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 |
| | | | | | | | |
| | 1 | ADDITIONAL | _ _ CEMENTING / SQ | UEEZE RECORD | I | | |
| Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone | Depth Top Bottom | Type of Cement | # Sacks Used | | Type and F | Percent Additives | |
| Shots Per Foot | | ON RECORD - Bridge Pluç ootage of Each Interval Per | | | cture, Shot, Cement mount and Kind of Ma | • | Depth |
| | | | | | | | |
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: | Yes No | | |
| Date of First, Resumed | Production, SWD or EN | HR. Producing Met | hod: | | other (Explain) | | |
| Estimated Production Per 24 Hours | Oil E | Bbls. Gas | Mcf Wa | ter Bl | pls. (| Gas-Oil Ratio | Gravity |
| DISPOSITIO | Used on Lease | Open Hole | | ly Comp. Con | nmingled mit ACO-4) | PRODUCTIO | N INTERVAL: |

| Form | ACO1 - Well Completion |
|-----------|---------------------------|
| Operator | Great Plains Energy, Inc. |
| Well Name | James 1-16 |
| Doc ID | 1104339 |

Tops

| Name | Тор | Datum |
|---------------|------|-------|
| Anhydrite | 3006 | +373 |
| Base | 3042 | +337 |
| Topeka | 4050 | -671 |
| Heebner | 4190 | -811 |
| Lansing | 4240 | -861 |
| ВКС | 4492 | -1113 |
| Pawnee | 4605 | -1226 |
| Cherokee | 4698 | -1319 |
| Mississippian | 4856 | -1477 |

ALLIED CEMENTING CO., LLC. 036113 REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

| CTTOCO | SERVICE POINT. |
|------------------------------|----------------|
| Federal Tax I.D.# 20-5975804 | |

| 11-16-11 SEC. // TWP BANGE | |
|---|--|
| 36 | CALLED OUT ON JOCATION JOB START JOB FINISH |
| WELL# /~/6 LO | la 12 12 tace COUNTY |
| | blinto |
| 190 Am | OWNER Same |
| 3/1/8 | CEMENT |
| DEPTH DEPTH | AMOUNT ORDERED 2305/65/60/500 YROGE |
| > | |
| PRES. MAX MINIMUM MFAS. LINF | \ |
| CEMENT LEFT IN CSG. | 2.50 |
| DISPLACEMENT 37.25 6.27 | ORIDE 0 200 |
| EQUIPMENT | |
| PUMPTRICK CEMENTED 6 9 Kg. 1 | 1630 1855 1855 |
| | B) (D) |
| BULK TRUCK # 464 DRIVER Brander | © - |
| BULK TRUCK # DRIVEB | 9 |
| | HANDLING 23D 565 @ 2.25 525 |
| REMARKS: | E 117 55 /14/16 |
| 114 do stat 30/01 Displace with water med | 10TAL TOTAL |
| 4000 CM | SERVICE |
| Plus peterschot with 1856 | 30/01 |
| Pure Kagnale wigh 303/c3 | OTAGE @ @ |
| Hank you | E 30 アダ LD |
| > ` | phiele |
| CHARGE TO: Coread Mains | - |
| STREET | TOTAL 2 160.00 |
| CITYSTATEZIP | PLUG & FLOAT FOLIPMENT |
| | |
| | 0 7% 60 0 1% 600 0 1% |
| You are hereby requested to rent cementing equipment | (a) |
| contractor to do work as is listed. The above work was | (a) |
| done to satisfaction and supervision of owner agent or contractor. I have read and understand the "CFNFR AT | TOTAL 22.40 |
| TERMS AND CONDITIONS" listed on the reverse side. | SALES TAX (If Any) |
| PRINTED NAME | ARGES |
| 7 | DISCOUNT |
| SIGNATURE KON / VIA | |

CO., LLC. 036103 ALLIED CEMENTING

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

SERVICE POINT:

| | Carry |
|--|--|
| DATE 6-11 SEC. 6 TWP. 6 RANGES C | CALLED OUT ON LOCATION JOB START JOB FINISH |
| 71-1 | En 1212 2 2 COUNTY STAI |
| OLD OK NEW (Circle one) | at |
| R Mark | OWNER Same |
| HOLE SIZE /2 1/4 T.D. 37/ CASING SIZE 87/6 DEPTH 300/ | 1 |
| DEPTH | SKI Cara Stal |
| DKILL FIFE DEPTH TOOL | |
| | COMMON 3605/10 16.254875.02 |
| MEAS. LINE SHOE JOINT | MIX @ |
| | CHIORIDE //SKJ @ SFJ/ / WAS |
| DISPLACEMENT 2272 | (a) |
| EQUIPMENT | |
| 9 | © (|
| PUMP TRUCK CEMENTER ARKELE # 4/3/ HFI PFR | (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c |
| HEET EIN | 00 |
| #376/36 DRIVER Chris | © (6) |
| BULK TRUCK | 3) @ |
| # DRIVER | 3311568 |
| BEMABKS | MILEAGE 1/45K/1001/Le |
| 7 | TOTAL JOYCE Z |
| 是 | |
| | SERVICE |
| Ceneral dis correlate | DEPTH OF JOB |
| | ARGE |
| | 12 |
| (Mosell Tod. | 1 00 K |
| | 19ht Delucte @ 400 186 |
| Chinal Charles Commonwell | S () |
| 210:01 | Sold was a |
| STREET | IOIAL Zeni |
| CITYSTATEZIP | PLUG & FLOAT EQUIPMENT |
| | |
| | wooden Mug @ 9200 |
| | 8 (|
| | 33) 6 |
| and furnish computer and helper(s) to again again. | () |

IF PAID IN 30 DAYS

TOTAL

SALES TAX (If Any)

TERMS AND CONDITIONS" listed on the reverse side. contractor. I have read and understand the "GENERAL

PRINTED NAME

SIGNATURE

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 TOTAL CHARGES

DISCOUNT



Prepared For: Great Plains Energy, Inc.

6121 South 58th St. Ste-B Lincoln, NE 68516

ATTN: Rich Bell

16-6s-36w Thomas, KS

James #1-16

Start Date: 2011.11.10 @ 15:28:00

End Date: 2011,11,10 @ 22:15:15

Job Ticket #: 43734 DS

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

| W |
|----------------------|
| RILOBITE ESTING |
| |
| |
| |

TOOL DIAGRAM

16-6s-36w Thomas, KS James #1-16 6121 South 58th St. Ste-B Lincoln, NE 68516 Great Rains Energy, Inc.

Job Ticket: 43734

Test Start: 2011.11.10 @ 15:28:00

DST#:1

Tool Information

ATTN: Rich Bell

0.00 ft 62000.00 lb 62000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 70000.00 lb String Weight: Initial Tool Chased Tool Weight: 2.39 bbl 50.07 bbl 47.68 bbl 0.00 bbl 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume: Diameter: Diameter: Dameter: 0.00 ft 20.00 ft 3895.00 ft 3399.00 ft 487.00 ft Length: Length: Length: Depth to Top Packer: Depth to Bottom Packer; Drill Pipe Above KB: Heavy Wt. Pipe: Drill Collar: Drill Pipe:

Final

Number of Packers: Tool Comments:

6.75 inches

Diameter:

55.00 ft 84.00 ft

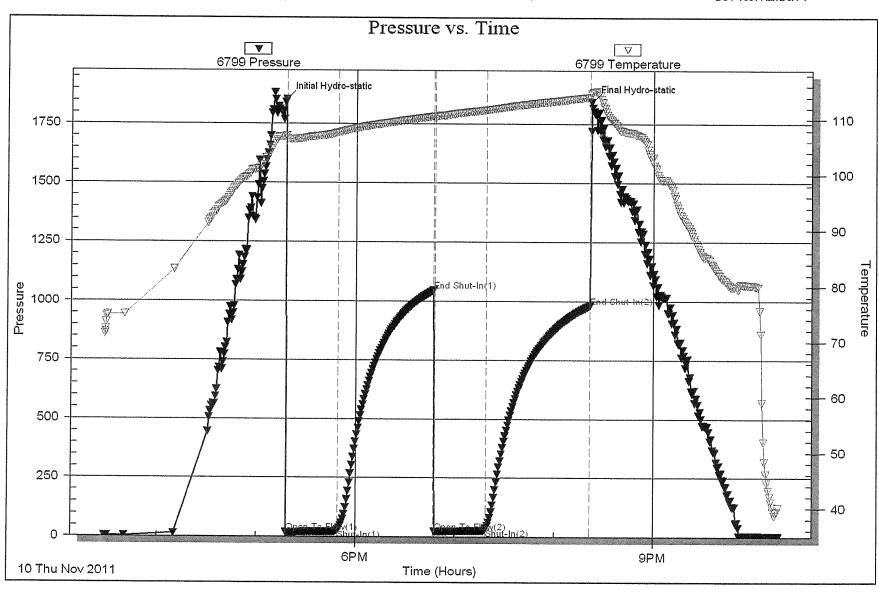
Interval betw een Packers:

Tool Length:

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

| | (1.1) | 2 | | Total (ii) Serial (ii) Serial February | cant. rengins | |
|-----------------|-------|------|--|--|---------------|-------------------------|
| Change Over Sub | 1.00 | | TO THE PARTY OF TH | 3867.00 | | |
| Shut In Tool | 5.00 | | | 3872.00 | | |
| Hydraulic tool | 5.00 | | | 3877.00 | | |
| Jars | 5.00 | | | 3882.00 | | |
| Safety Joint | 3.00 | | | 3885.00 | | |
| Packer | 5.00 | | | 3890.00 | 29.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 3895.00 | | |
| Stubb | 1.00 | | | 3896.00 | | |
| Recorder | 0.00 | 8648 | Inside | 3896.00 | | |
| Recorder | 0.00 | 6229 | Inside | 3896.00 | | |
| Perforations | 16.00 | | | 3912.00 | | |
| Change Over Sub | 1.00 | | | 3913.00 | | |
| Drill Pipe | 31.00 | | | 3944.00 | | |
| Change Over Sub | 1.00 | | | 3945.00 | | |
| Bullnose | 5.00 | | | 3950.00 | 55.00 | Bottom Packers & Anchor |
| | | | | | | |

84.00 Total Tool Length:



Trilobite Testing, Inc

Ref. No: 43734

Printed: 2011.11.18 @ 10:33:21



Prepared For: Great Plains Energy, Inc.

6121 South 58th St. Ste-B Lincoln, NE 68516

ATTN: Rich Bell

16-6s-36w Thomas, KS

James #1-16

Start Date: 2011.11.12 @ 04:59:00

End Date: 2011.11.12 @ 12:11:00

Job Ticket #: 43735 DST #:

 $^{\circ}$

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

| RILOBITE FSTING, INC |
|-------------------------|
| |

TOOL DIAGRAM

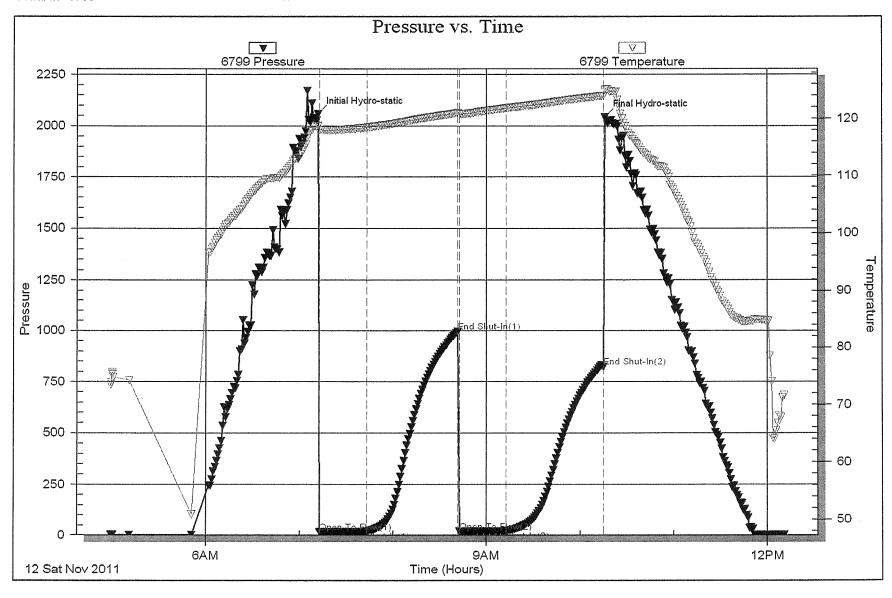
16-6s-36w Thomas,KS Job Ticket: 43735 James #1-16 6121 South 58th St. Ste-B Lincoln, NE 68516 Great Rains Energy, Inc.

DST#:2

| | | | ATTA | Rich Bell | | Test Start: 2011.11.12 @ 04:59:00 | 004:59:00 | |
|---------------------|----------------|------------------------------|-------------------|--|-----------|-----------------------------------|-------------|---|
| Information | | | | The state of the s | | | | 1 |
| pe: | Length: | Length: 3801.00 ft Diameter: | Diameter: | 3.80 inches Volume: | 53.32 bbl | Tool Weight: | 2500.00 lb | |
| y Wt. Pipe: Length: | Length: | 0.00 ft | 0.00 ft Diameter: | 0.00 inches Volume: | 0.00 bbl | Weight set on Packer: 25000.00 lb | 25000.00 lb | |
| Jollar: | Length: | 487.00 ft Diameter: | Diameter: | 2.25 inches Volume: | 2.39 bbl | Weight to Pull Loose: | 70000.00 lb | |
| Spo About IVD. | ò | ** 00 00 | | Total Volume: | 55.71 bbl | Tool Chased | # | |
| א שאסמע שלו | ď | 77.00.11 | | | | String Whicht Initial | 80000008 | |
| n to Top Packer: | (er: | 4295.00 ft | | | | ou lig vergilt. Illual | 030000.00 | |
| to Bottom Docker | , C. | 4 | | | | rinal | 63000.00 lb | |

| Tool Information | lon | | | | | | |
|---------------------------|------------|----------------------|-------------|---------------------|-----------|-----------------------------------|-------------|
| Drill Pipe: | Length: | 3801.00 ft Diameter: | Diameter: | 3.80 inches Volume: | 53.32 bbl | Tool Weight: | 2500.00 |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches Volume: | 0.00 bbl | Weight set on Packer: 25000.00 It | 25000.00 |
| Drill Collar: | Length: | 487.00 ft Diameter: | Diameter: | 2.25 inches Volume: | 2.39 bbl | Weight to Pull Loose: 70000.00 lb | 70000.00 |
| Drill Pipe Above KB: | Ķ. | 22.00 ft | | Total Volume: | 55.71 bbl | Tool Chased | <u> </u> |
| Depth to Top Packer: | cker: | 4295.00 ft | | | | String Weight: Initial | 63000.00 16 |
| Depth to Bottom Packer: | Packer: | # | | | | ina ina | 93000:00 II |
| Interval between Packers: | n Packers: | 30.00 ft | | | | | |
| Tool Length: | | 59.00 ft | | | | | |
| Number of Packers: | ers: | 7 | 2 Diameter: | 6.75 inches | | | |
| Tool Comments: | | | | | | | |
| | | | | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Length (ft) Serial No. Position Depth (ft) Accum. Lengths | |
|--------------------|-------------|------------|----------|------------|--|--|
| Change Over Sub | 1.00 | | | 4267.00 | The state of the s | THE CONTRACTOR OF THE CONTRACT |
| Shut In Tool | 5.00 | | | 4272.00 | | |
| Hydraulic tool | 2.00 | | | 4277.00 | | |
| Jars | 5.00 | | | 4282.00 | | |
| Safety Joint | 3.00 | | | 4285.00 | | |
| Packer | 5.00 | | | 4290.00 | 29.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4295.00 | | |
| Stubb | 1.00 | | | 4296.00 | | |
| Recorder | 0.00 | 8648 | Inside | 4296.00 | | |
| Recorder | 0.00 | 6299 | Inside | 4296.00 | | |
| Perforations | 24.00 | | | 4320.00 | | |
| Bullnose | 5.00 | | | 4325.00 | 30.00 | Bottom Packers & Anchor |
| Total Tool Length: | 59.00 | | | | | |





Great Plains Energy, Inc. Prepared For:

6121 South 58th St. Ste-B Lincoln, NE 68516

ATTN: Rich Bell

16-6s-36w Thomas, KS

James #1-16

Start Date: 2011.11.12 @ 21:35:00

2011.11.13 @ 05:40:00 End Date:

DST#: Job Ticket #: 43736

က

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

| RILOBITE FESTING, INC |
|--------------------------|
| |

TOOL DIAGRAM DST#:3 Test Start: 2011.11.12 @ 21:35:00 16-6s-36w Thomas,KS Job Ticket: 43736 James #1-16 6121 South 58th St. Ste-B Lincoln, NE 68516 Great Rains Energy, Inc. ATTN: Rich Bell

| 77.7 | |
|-------------|---|
| Information | |
| 700 | 2 |

| Length: 3895.00 ft Diameter: Length: 0.00 ft Diameter: | | Diameter: Diameter: | 3.80 inches Volume: 0.00 inches Volume; | 54.64 bbl 0.00 bbl | Tool Weight: 2500.00 lb Weight: | 2500.00 lb |
|---|------------|------------------------|---|-----------------------|---------------------------------|-----------------------|
| | 487.00 ft | Diameter: | 2.25 inches Volume: | | Weight | Veight to Pull Loose: |
| | 5.00 ft | | Total Volume: | 57.03 bbl | Tool Chased | eq |
| 4 | 4406.00 ft | | | | String Weight: Initial | ht: Initial |
| | # | | | | | Final |
| _ | 19.00 ft | | | | | |
| 4 | 48.00 ft | | | | | |
| | 7 | Diameter: | 6.75 inches | | | |
| | | | | | | |

Number of Packers: Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Length (ft) Serial No. Position Depth (ft) Accum. Lengths | |
|------------------|-------------|------------|----------|------------|---|-------------------------|
| Change Over Sub | 1.00 | | | 4378.00 | | |
| Shut In Tool | 5.00 | | | 4383.00 | | |
| Hydraulic tool | 5.00 | | | 4388.00 | | |
| Jars | 5.00 | | | 4393.00 | | |
| Safety Joint | 3.00 | | | 4396.00 | | |
| Packer | 5.00 | | | 4401.00 | 29.00 | Bottom Of Ton Packer |
| Packer | 5.00 | | | 4406.00 | | |
| Stubb | 1.00 | | | 4407.00 | | |
| Recorder | 00.00 | 8648 | Inside | 4407.00 | | |
| Recorder | 00.00 | 6229 | Inside | 4407.00 | | |
| Perforations | 13.00 | | | 4420.00 | | |
| Bullnose | 5.00 | | | 4425.00 | 19.00 | Bottom Packers & Anchor |

48.00

Total Tool Length:

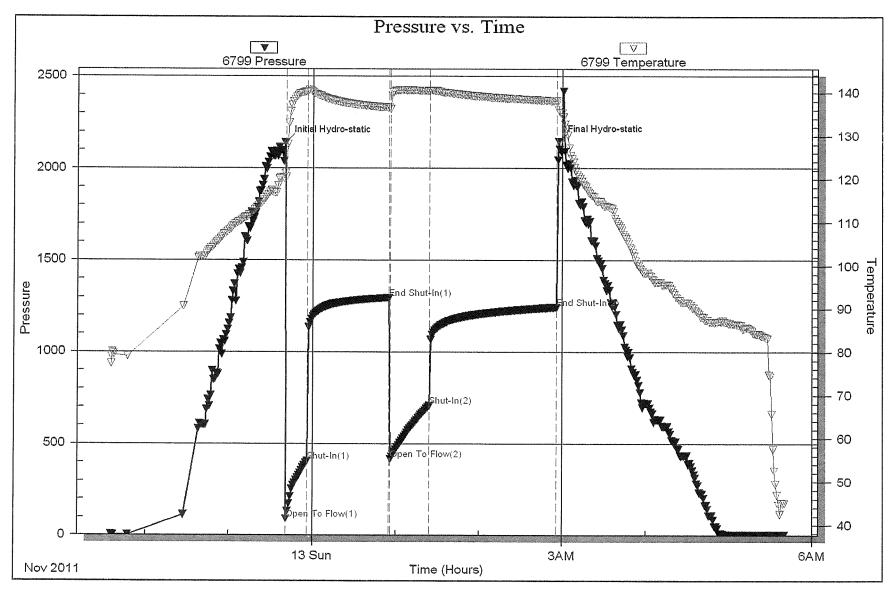
Ref. No: 43736

Inside

Great Plains Energy, Inc.

16-6s-36w Thomas,KS

DST Test Number: 3





Great Plains Energy, Inc. Prepared For:

6121 South 58th St. Ste-B Lincoln, NE 68516

ATTN: Rich Bell

16-6s-36w Thomas, KS

James #1-16

2011.11.14 @ 00:12:36 Start Date:

2011.11.14 @ 08:00:06 End Date:

DST#: Job Ticket #: 43737

4

PO Box 362 Hays, KS 67601 Trilobite Testing, Inc

| RILOBITE FESTING , INC | |
|---------------------------|--|
| | |

TOOL DIAGRAM DST#:4 Test Start: 2011.11.14 @ 00:12:36 16-6s-36w Thomas, KS Job Ticket: 43737 James #1-16 6121 South 58th St. Ste-B Lincoln, NE 68516 Great Plains Energy, Inc.

ATTN: Rich Bell Tool Information

ft 63000.00 lb 63000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 67000.00 lb 2500.00 lb String Weight: Initial Tool Chased Tool Weight: 57.27 bbl 0.00 bbl 2.39 bbl 59.66 bbl 3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume: Diameter: Diameter: Diameter: 4083.00 ft 20.00 ft 4579.00 ft 0.00 ft 487.00 ft Length: Length: Length: Drill Pipe Above KB: Depth to Top Packer: Heavy Wt. Pipe: Drill Collar:

Final

36.00 ft 65.00 ft Number of Packers: Tool Comments:

Interval between Packers: Depth to Bottom Packer:

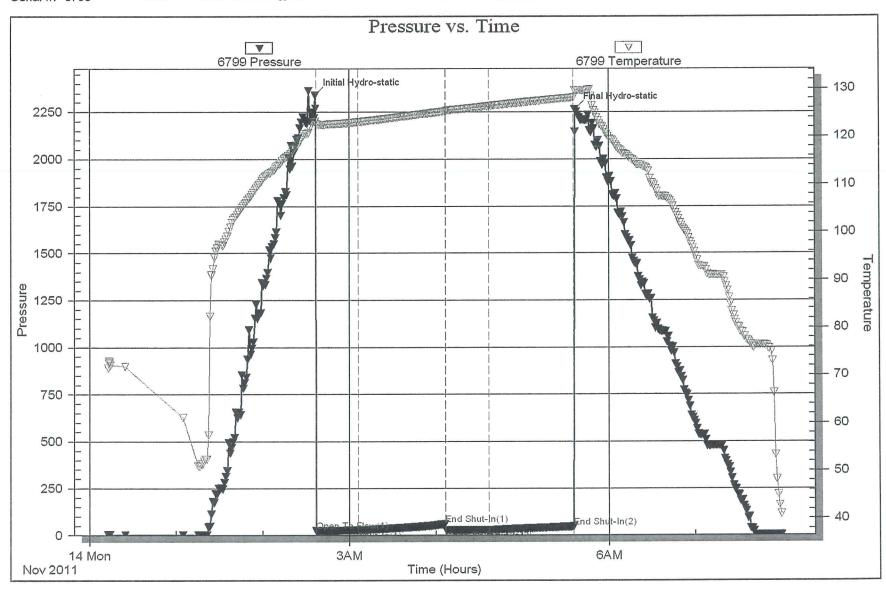
Tool Length:

6.75 inches

Diameter:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Length (ft) Serial No. Position Depth (ft) Accum. Lengths | |
|------------------|-------------|--|----------|------------|---|-------------------------|
| Change Over Sub | 1.00 | And the second s | | 4551.00 | | |
| Shut In Tool | 5.00 | | | 4556.00 | | |
| Hydraulic tool | 5.00 | | | 4561.00 | | |
| Jars | 5.00 | | | 4566.00 | | |
| Safety Joint | 3.00 | | | 4569.00 | | |
| Packer | 5.00 | | | 4574.00 | 29.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4579.00 | | |
| Stubb | 1.00 | | | 4580.00 | | |
| Recorder | 00.00 | 8648 | Inside | 4580.00 | | |
| Recorder | 00.00 | 6229 | Inside | 4580.00 | | |
| Perforations | 30.00 | | | 4610.00 | | |
| Bullnose | 2.00 | | | 4615.00 | 36.00 | Bottom Packers & Anchor |

65.00 Total Tool Length:





Prepared For. Great Plains Energy, Inc.

6121 South 58th St. Ste-B Lincoln, NE 68516

ATTN: Rich Bell

16-6s-36w Thomas, KS

James #1-16

Start Date: 2011.11.14 @ 22:33:00

End Date: 2011.11.15 @ 06:59:30

Job Ticket #: 43738 DST #:

2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

| RILOBITE ESTING , INC |
|----------------------------|
| |

STEM TEST REPORT DRILL

TOOL DIAGRAM

James #1-16 Great Plains Energy, Inc.

6121 South 58th St. Ste-B Lincoln, NE 68516

16-6s-36w Thomas, KS Job Ticket: 43738

DST#:5 Test Start: 2011,11.14 @ 22:33:00

Tool Information

ATTN: Rich Bell

Diameter: Length: Heavy Wt. Pipe: Drill Pipe:

Diameter: Diameter: 4237.00 ft 0.00 ft 487.00 ft Length: Length:

Drill Collar:

33.00 ft 4720.00 ft

Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Tool Weight:

59.43 bbl 0.00 bbl 2.39 bbl 61.82 bbl

Total Volume:

82000.00 lb Weight to Pull Loose: Tool Chased String Weight: Initial

63000.00 lb 67000.00 lb Final

Number of Packers:

Interval between Packers:

Tool Length:

6.75 inches Diameter: 36.00 ft 65.00 ft

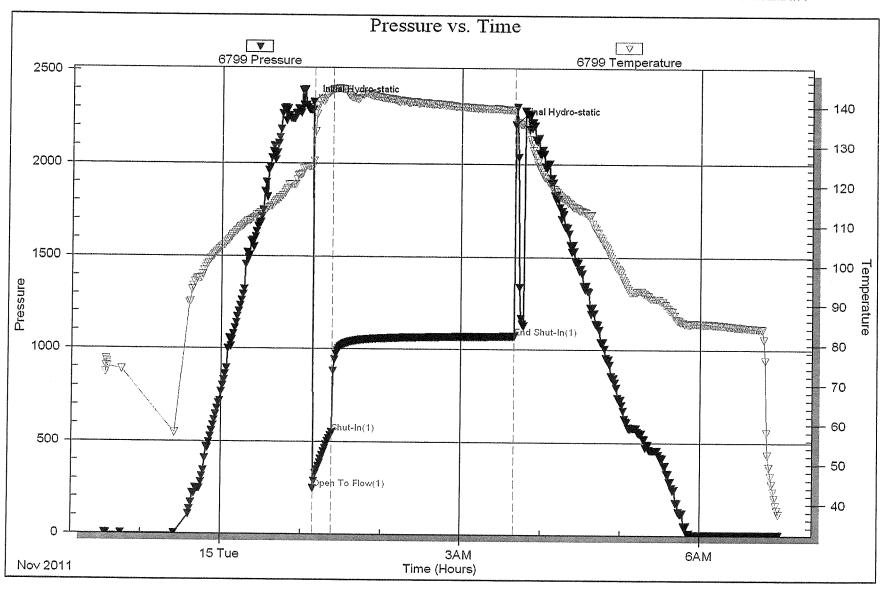
Tool Comments:

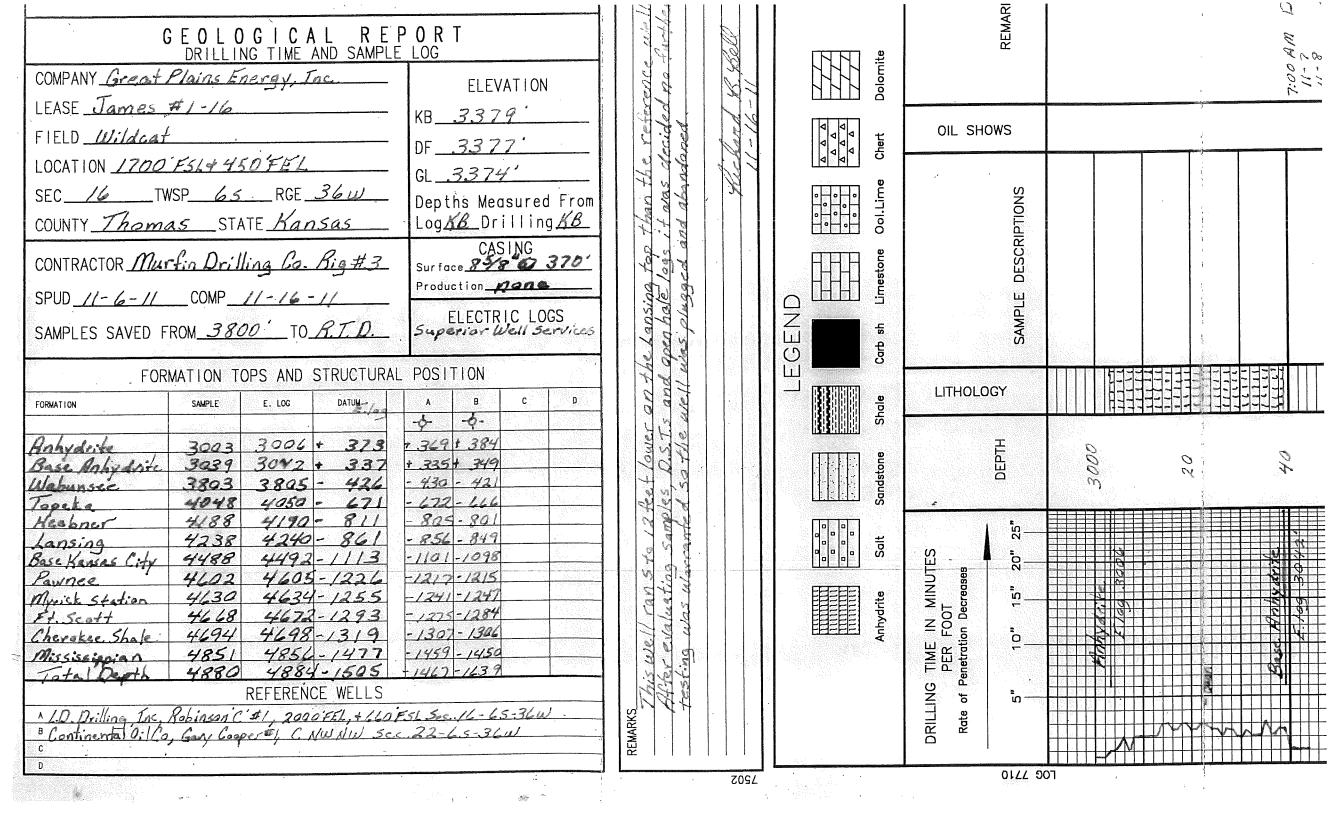
| Accum. Lengths |
|------------------|
| Depth (ft) |
| Position |
| Serial No. |
| Length (ft) |
| Tool Description |

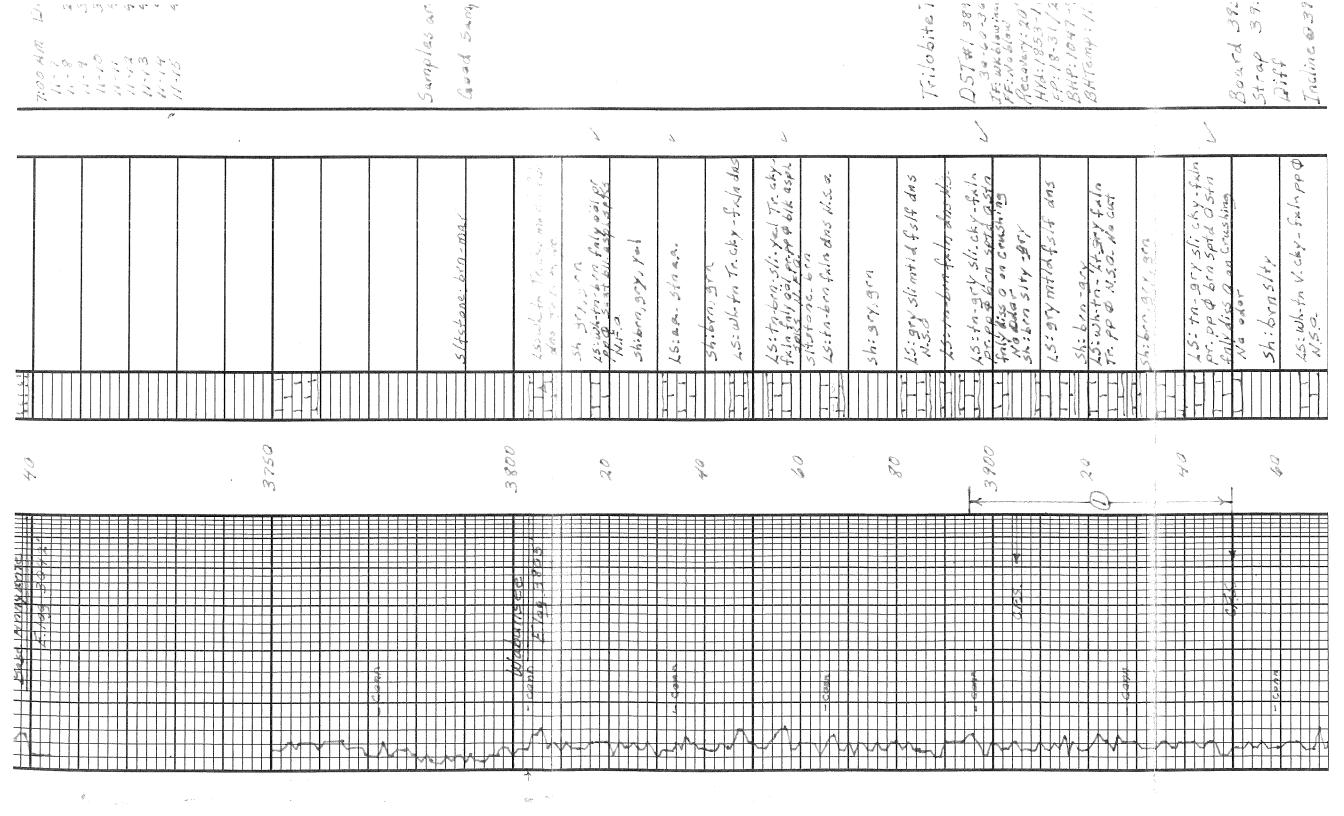
| ioni pescribuon | rengin (it) | Serial No. | Position | Depth (II) | Leffgul (it) Serial No. Position Depth (ft) Accum. Lengths | |
|-----------------|-------------|---------------------------------------|----------|------------|--|--|
| Change Over Sub | 1.00 | · · · · · · · · · · · · · · · · · · · | | 4692.00 | | The state of the s |
| Shut In Tool | 5.00 | | | 4697.00 | | |
| Hydraulic tool | 5.00 | | | 4702.00 | | |
| Jars | 5.00 | | | 4707.00 | | |
| Safety Joint | 3.00 | | | 4710.00 | | |
| Packer | 5.00 | | | 4715.00 | 29.00 | Bottom Of Top Packer |
| Packer | 5.00 | | | 4720.00 | Agrilla i mananana | |
| Stubb | 1.00 | | | 4721.00 | | |
| Recorder | 00.00 | 8648 | Inside | 4721.00 | | |
| Recorder | 0.00 | 62.9 | Inside | 4721.00 | | |
| Perforations | 30.00 | | | 4751.00 | | |
| Bullnose | 5.00 | | | 4756.00 | 36.00 | Bottom Packers & Anchor |

65.00 Total Tool Length:

Bottom Packers & Anchor



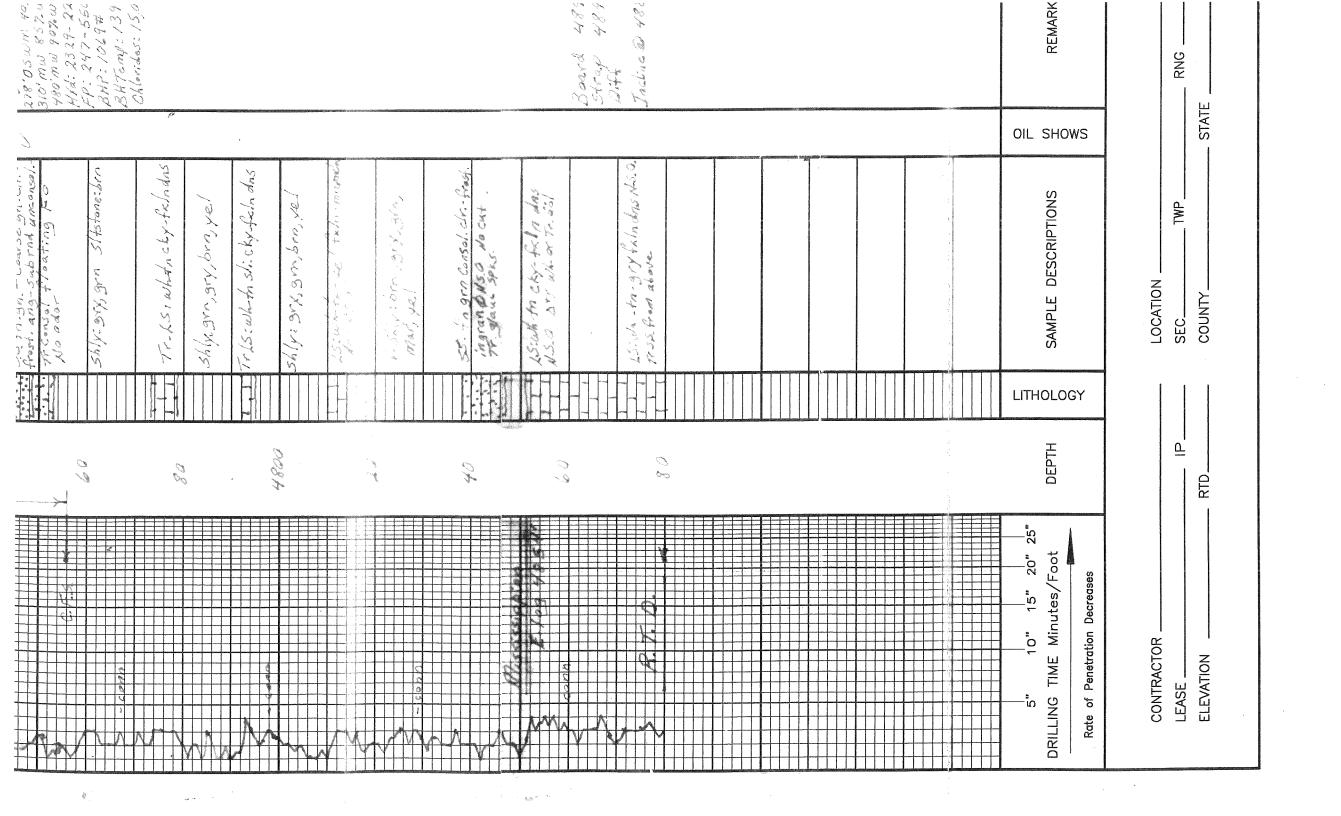




| slicky-fah | ry the dos y the dos | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | gry frandas. gry frandas cky-france | Vicky simples on conning on conning of the stack of the south of the stack of the south of the s | 9 7 3 3 | 1 45 H MS. 6. 1 45 H MS. 6. 1 45 M. 500. 501. 1 97 5 Hy 2 M 501 PP \$ - 1. 5 M 501 PP \$ - 1. |
|--------------------------------------|--|---------------------------------------|---|--|--------------------------------------|--|
| 15:Wh-Th V. 15:Wh-Th S 80 15:Wh-Th S | 56:45-47,90 56:45-47,90 56:45-90 56:45-90 | ben gr | 80 85:Wh-tn-th. 85:Wh-tn-tf. 5h:km-trgry 4100 4100 | 15: Wh to | 5h: blk c 45: wh-th c 5hly ht. | 4200 1 1 1 1 25: 40. 41. 81. 81. 81. 81. 81. 81. 81. 81. 81. 8 |
| | | 3 | | | | |

| | | | | 15: What hope out pp 0 - | | |
|------|---------------------------------------|--|--|--|---------------|----------------------------------|
| la e | 6248 | | | Shibrn, grn | | |
| | | | | From pr. pp 4 51k asphsoks | 7 | |
| | | , Q | | | ,4 3 4 | |
| | | | | Shibrn, gry | | |
| | | | | to Exlas | , | |
| | | < | | inpart & 61k 25ph 5pks 75.5%. | 7 | |
| | | | Marie de Marie Caracteria de C | 201, DOD, 9CD | | |
| | | , Q | | white stick | \ | |
| | | A S O | | pr.ppg Scat blk. asph Spks. NFO, No odor |) | Transfer of |
| | | | | 54: 90%, 600 | | |
| | | -(Y) | | * * | | |
| | <u> </u> | | The state of the s | STATE OF THE PARTY | | |
| | | 5 | | PPF.C. on Crucking No ador | | BHTEMP: 123 |
| | | | | 15: Wh- to CK- fely The SI | Ċ | |
| | | | | 0 50KS No odor | | |
| | | 07 | | | | |
| | M | | | 15: an decrest Mash sphsphs | | |
| | 79888 | | | sh: Blk Carb | | |
| | | 10 | | | | |
| | | | | S. Y. grybra | | |
| | | 170 | | 5: who to - 4. gry aky - fxln | `. | |
| | /V/ | 8 | | property of the Sprace | 7 | |
| | V | | Community Const. | rock Noodol | | |
| | | | | Shigniba | | |
| | | 1,0000 | - Annual Control of the Control of t | 11-11-11-11-11-11-11-11-11-11-11-11-11- | 1 | |
| | | The state of the s | | Tr Lt. Sptd Ostn N.F.O. | | DST43 40 |
| | | ###################################### | | Ö | | 15: 8.0.8.10 3 12 |
| | /M | (a) | | | | FF: B.O.S.In 411 FSI: No blow |
| | | 3 | | YAKA OS | ` | Accovery: 1504 |
| | , , , , , , , , , , , , , , , , , , , | Manage of the Control | | S. F.O. on orasing s |) | SH mu |
| : | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | : | 9 | 080 | | 187 MW 157.W. |
| | | 7 | | St. br. 3739A | | 17 40 40C/41 |
| | | | | 15 - 11 to 16 16 16 16 16 16 16 16 16 16 16 16 16 | | BHP: 1295-124 BHTEMD: 1380 |
| | | * | | 1 / 2 / | 7 | Moridas: 29 |
| | | 3 | and conference to the first | 1. 2/1. 2. 27. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. | | |
| | 7445h0444844 3h | | | shiblk Carb | | |
| | | | | 54: 30x, Ser, 900, max | | |
| | | 8 | | which chyfeld | | |
| | | 1 | | | 7 | |
| | | | | N o cockes | | |
| | | | | Shidm arr | | - Commission |

| · · | | 7005 | | Shibra, Sri Listabita Frin printic sli. | | |
|--------|--|---|--|---|--|---------------------------------------|
| | | 2 | | Shibin, gox gin | ý | |
| | | aranti procedino de loca al consultaren a | | 15:954-14-90y Action 2015 | | |
| | | A. | | 56/1/2: 454 | | |
| | | | The second second | 1 / EST, 1 | | |
| | | | | Similar Straw South | | E |
| | | 8 | | 5 N.S.O. 1 | Ci j | 744 450 |
| | | | | , A.A. | | N. 6/50. |
| *.0 | 200 | 6 | | 56: dr. gry 75. 61 k Carb-5h | 70 | 73.50 |
| ~. | | | | 15: whith Slicky-fril sol | 1 2 2 X | : , K. |
| | | | | dostn Trpp 1 "ft. odor Wheth Slicky | | |
| | A STATE OF THE STA | | | | | |
| | | | | 15: Whith - Lt. gry Chy falm To Slight das NSO. | | |
| | 9 0 | | | 750 | | |
| | | | | 15: whith chy-fish dusisa | | |
| | | | | shitte Carlo | | |
| | | | | 2 | | |
| | | ; | | 15= wh-th- 47-gry to Cut fixth ans N.S.O. NO Cut | | |
| | | 2 | | 9.9 | | |
| : | | | | St. RIV 0.01 | · Constant | |
| | | | | 10 11 11 11 11 11 11 11 11 11 11 11 11 1 | ************************************** | |
| | 200 | | | dscultility ary Chrisch | | |
| - | | ; | | 15: whith Slicky-fulndus | | 7 2 43 |
| | | | | WA 15 47 | 100 | 1.60-15-10 |
| | | | | NY8 /12 (17) | E P | 1.8.0.8.11/m |
| | 000 | £ -(0) | | Lista misraela V. das N.S.O. | 4.50 | No blow |
| | | | | 3n Coarse | 3 2 2 0 | 3008 |
| | 3 | | Open Company of the C | No odor | 370 | 1. 2329-22 1. 2329-22 . 247-550 |
| | | | | Shly: gry grn Ststone: ben | | 10 |



| REMARK | RNG | | | · | |
|---|------------|-----|--|---|--|
| OIL SHOWS | STATE | | | | |
| SAMPLE DESCRIPTIONS | SECTWP | | | | |
| PEPTH | IP RTD | | | | |
| 5" 10" 15" 20" 25" DRILLING TIME Minutes/Foot Rate of Penetration Decreases | CONTRACTOR | | | | |
| * | | · · | | | |