



KANSAS CORPORATION COMMISSION 1066725  
OIL & GAS CONSERVATION DIVISION

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 # 5556  
Name: Viva International, Inc.  
Address 1: 8357 MELROSE DR  
Address 2: \_\_\_\_\_  
City: LENEXA State: KS Zip: 66214 + 1629  
Contact Person: ROBERT P BUKATY  
Phone: ( 913 ) 859-0438  
CONTRACTOR: License # 33734  
Name: Hat Drilling LLC  
Wellsite Geologist: KEN OGLE  
Purchaser: CVR ENERGY

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 #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>04/30/2011</u>                 | <u>05/02/2011</u> | <u>05/17/2011</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 15-207-27689-00-00  
Spot Description: \_\_\_\_\_  
SE NW NE SE Sec. 9 Twp. 24 S. R. 16  East  West  
2145 Feet from  North /  South Line of Section  
825 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Woodson  
Lease Name: GLADES Well #: V-17  
Field Name: VERNON  
Producing Formation: SQUIRREL  
Elevation: Ground: 1032 Kelly Bushing: 1037  
Total Depth: 1088 Plug Back Total Depth: 1082  
Amount of Surface Pipe Set and Cemented at: 40 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 1082  
feet depth to: 0 w/ 155 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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: Deanna Gerrico Date: 11/07/2011



1066725

Operator Name: Viva International, Inc. Lease Name: GLADES Well #: V-17  
 Sec. 9 Twp. 24 S. R. 16  East  West County: Woodson

**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 Wireline Logs surveyed. Attach final geological well site report.

|   |  |       |     |       |                  |      |      |
|---|--|-------|-----|-------|------------------|------|------|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><br>GAMMA RAY NEUTRON | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><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>SQUIRREL (LOWER)</td> <td>1036</td> <td>1053</td> </tr> </table> | Name  | Top | Datum | SQUIRREL (LOWER) | 1036 | 1053 |
| Name  | Top  | Datum |     |       |                  |      |      |
| SQUIRREL (LOWER)  | 1036   | 1053  |     |       |                  |      |      |

| 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   | 10.25             | 8.625                     | 24                | 40            | PORTLAND       | 10           |                            |
| PRODUCTION  | 5.875             | 2.875                     | 6.5               | 1082          | 50/50 POZ MIX  | 155          | 2% GEL                     |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD |                  |                |              |                            |
|---------------------------------------|------------------|----------------|--------------|----------------------------|
| Purpose:                              | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| ___ Perforate                         |                  |                |              |                            |
| ___ Protect Casing                    | -                |                |              |                            |
| ___ Plug Back TD                      |                  |                |              |                            |
| ___ Plug Off Zone                     | -                |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 2              | 7 SHOTS (1040-1043)   | SAND 250# 20/40 650# 12/20 500#8/12   |       |
| 2              | 9 SHOTS (1046-1050)   | SPOT 75 GAL ACCID TO PERFS BREAK AT 2300 psi                                      |       |
|                |   | TREATING psi 1600-2500 isip 850   |       |
|                |   |   |       |

|  |                         |  |                                   |
|--|-------------------------|--|-----------------------------------|
| TUBING RECORD: Size: <u>1</u> Set At: <u>1022</u> Packer At: _____   |                         | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                                   |
| Date of First, Resumed Production, SWD or ENHR.<br><u>06/21/2011</u> |                         | Producing Method:<br><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.<br><u>1.0</u> | Gas Mcf  | Water Bbls. Gas-Oil Ratio Gravity |

|   |  |  |
|---|--|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|--|--|

HAT DRILLING  
 12371 KS HWY 7  
 MOUND CITY, KS 66056  
 LICENSE # 33734

~~#Glades #V-17#~~  
 API # 15-207-27689-00-00  
 SPUD DATE 4-30-11

| Footage | Formation | Thickness | Set 40' of 8 5/8"                  |
|---------|-----------|-----------|------------------------------------|
| 2       | Topsoil   | 2         | TD 1088'                           |
| 6       | clay      | 4         | Ran 1082' of 2 7/8                 |
| 18      | sandstone | 12        |                                    |
| 174     | shale     | 156       |                                    |
| 452     | lime      | 278       |                                    |
| 504     | shale     | 52        |                                    |
| 512     | lime      | 8         |                                    |
| 525     | shale     | 13        |                                    |
| 550     | lime      | 25        |                                    |
| 585     | shale     | 35        |                                    |
| 648     | lime      | 63        |                                    |
| 832     | shale     | 184       |                                    |
| 842     | lime      | 10        |                                    |
| 932     | shale     | 90        |                                    |
| 935     | lime      | 3         |                                    |
| 950     | shale     | 15        |                                    |
| 952     | lime      | 2         |                                    |
| 956     | shale     | 4         |                                    |
| 962     | lime      | 6         |                                    |
| 972     | shale     | 10        |                                    |
| 977     | lime      | 5         |                                    |
| 994     | shale     | 17        |                                    |
| 998     | sandshale | 4         | very generous little odor no bleed |
| 1040    | shale     | 42        |                                    |
| 1049    | sand      | 9         | good odor & bleed                  |
| 1088    | shale     | 39        |                                    |



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

**INVOICE**

Invoice # 241172

Invoice Date: 05/11/2011 Terms: 0/0/30,n/30

Page 1

VIVA INTERNATIONAL INC.  
ATTN: ROBERT  
8357 MELROSE DRIVE  
LENEKA KS 66214  
(913) 859-0438

~~GLADES V-17~~  
31911  
SE 9-24-16 WO  
05/03/2011  
KS

| Part Number | Description             | Qty    | Unit Price | Total   |
|-------------|-------------------------|--------|------------|---------|
| 1124        | 50/50 POZ CEMENT MIX    | 155.00 | 10.4500    | 1619.75 |
| 1118B       | PREMIUM GEL / BENTONITE | 360.00 | .2000      | 72.00   |
| 1107A       | PHENOSEAL (M) 40# BAG)  | 78.00  | 1.2200     | 95.16   |
| 4402        | 2 1/2" RUBBER PLUG      | 1.00   | 28.0000    | 28.00   |

| Description                      | Hours   | Unit Price | Total  |
|----------------------------------|---------|------------|--------|
| 368 CEMENT PUMP                  | 1.00    | 975.00     | 975.00 |
| 368 EQUIPMENT MILEAGE (ONE WAY)  | .00     | 4.00       | .00    |
| 368 CASING FOOTAGE               | 1082.00 | .00        | .00    |
| 370 80 BBL VACUUM TRUCK (CEMENT) | 2.00    | 90.00      | 180.00 |
| 441 TON MILEAGE DELIVERY         | 366.57  | 1.26       | 461.88 |

|        |         |           |     |         |         |    |         |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 1814.91 | Freight:  | .00 | Tax:    | 132.49  | AR | 3564.28 |
| Labor: | .00     | Misc:     | .00 | Total:  | 3564.28 |    |         |
| Sublt: | .00     | Supplies: | .00 | Change: | .00     |    |         |

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, Ok  
918/338-0808

EL DORADO, KS  
318/322-7022

EUREKA, Ks  
620/583-7664

GILLETTE, WY  
307/686-4914

OAKLEY, KS  
785/672-2227

OTTAWA, Ks  
785/242-4044

THAYER, Ks  
620/839-5269

WORLAND, WY  
307/347-4577



**CONSOLIDATED**  
Oil Well Services, LLC

APF -15-207-27689-0000

TICKET NUMBER 31911  
LOCATION Ottawa KS  
FOREMAN Fred Maden

PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

| DATE                                   | CUSTOMER # | WELL NAME & NUMBER | SECTION                     | TOWNSHIP | RANGE      | COUNTY |
|--|------------|--------------------|-----------------------------|----------|------------|--------|
| 5/3/11                                 | 8507       | Gladis #17         | SE 9                        | 24       | 16         | WO     |
| CUSTOMER<br>Viva International         |            |                    | TRUCK# DRIVER TRUCK# DRIVER |          |            |        |
| MAILING ADDRESS<br>8357 Melrose DR     |            |                    | 506                         | Fred     | Safety Mtg |        |
| CITY STATE ZIP CODE<br>Lenexa KS 66214 |            |                    | 308                         | Ken      | KIP        |        |
|  |            |                    | 370                         | Arlen    | ARM        |        |
|  |            |                    | 441                         | Kevin    | KIM        |        |

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 1088 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 1082 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Ply  
 DISPLACEMENT 6.29 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Establish circulation. Mix + Pump 100# Premium Gel  
 Flush. Mix + Pump 155 sks 50/50 Por Mix Cement 2 7/8 Gel  
 1/2" Pheno Seal/sks. Cement to surface. Flush pump + lines  
 clean. Displace 2 1/2" Rubber plug to casing TD w/ 6.29 BBL  
 Fresh Water. Pressure to 800# PSI. Release pressure to  
 set float valve. Shut in casing.

Hot Drilling

Fred Maden

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL              |
|--------------|-------------------|------------------------------------|------------|--------------------|
| 5401         | 1                 | PUMP CHARGE                        |            | 975 <sup>00</sup>  |
| 5406         | 55 mi             | MILEAGE Truck on lease             |            | N/C                |
| 5402         | 1082              | Casing footage                     |            | N/C                |
| 5407A        | 366.57            | Ton Miles #441                     |            | 461 <sup>25</sup>  |
| 5502C        | 2 hrs             | 80 BBL Vac Truck                   |            | 180 <sup>00</sup>  |
| 1124         | 155 sks           | 50/50 Por Mix Cement               |            | 1619 <sup>75</sup> |
| 118B         | 360#              | Premium Gel                        |            | 72 <sup>00</sup>   |
| 1107A        | 75#               | Pheno Seal                         |            | 95 <sup>15</sup>   |
| 4402         | 1                 | 2 1/2" Rubber Plug                 |            | 25 <sup>00</sup>   |
|              |                   | WO# 241172                         |            |                    |
|              |                   |                                    | 732        | SALES TAX          |
|              |                   |                                    |            | ESTIMATED          |
|              |                   |                                    |            | TOTAL              |
|              |                   |                                    |            | 132 <sup>49</sup>  |
|              |                   |                                    |            | 3564 <sup>28</sup> |

Ravin 3737

AUTHORIZATION

P. West

TITLE

DATE

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

0322

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 241441

Invoice Date: 05/19/2011 Terms: 0/0/30,n/30

Page 1

VIVA INTERNATIONAL INC.  
ATTN: ROBERT  
8357 MELROSE DRIVE  
LENEKA KS 66214  
(913) 859-0438

GRADES I V-10,V-11,V-12,V-13  
V-14, V-15  
44942  
5-17-11  
KS

| Part Number | Description              | Qty      | Unit Price | Total   |
|-------------|--------------------------|----------|------------|---------|
| 1275        | 15% HCL                  | 450.00   | 1.7000     | 765.00  |
| 1202        | ACID INHIBITOR           | 4.00     | 46.0000    | 184.00  |
| 1219B       | STIMOIL FBA              | 7.00     | 40.0000    | 280.00  |
| 1268        | CITY WATER               | 16400.00 | .0156      | 255.84  |
| 1268        | CITY WATER               | 22250.00 | .0156      | 347.10  |
| 1231        | FRAC GEL                 | 725.00   | 5.2000     | 3770.00 |
| 1215        | KCL SUB MB6875 CC3107    | 42.00    | 36.5000    | 1533.00 |
| 1205A       | BIOCIDE (AMA-35-D-P) (DR | 21.00    | 30.0000    | 630.00  |
| 1208        | BREAKER LEB4-ESA 14-GB10 | 1.75     | 187.0000   | 327.25  |
| 2101A       | 20-40 BROWN SAND         | 1250.00  | .2600      | 325.00  |
| 2103        | 8-12 BROWN SAND          | 6000.00  | .2800      | 1680.00 |
| 4326        | 7/8" RUBBER BALL SEALERS | 76.00    | 3.0000     | 228.00  |
| 1278        | 30% HCL                  | 700.00   | 3.5000     | 2450.00 |
| 2102        | 12/20 BROWN SAND         | 16550.00 | .2700      | 4468.50 |

| Description                  | Hours | Unit Price | Total  |
|------------------------------|-------|------------|--------|
| T-63 WATER TRANSPORT (FRAC)  | 8.00  | 112.00     | 896.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 MISC. PUMP (ACID TRUCK)  | 1.00  | 200.00     | 200.00 |
| 424 BULK SAND DELIVERY       | 1.00  | 315.00     | 315.00 |
| 424 MILEAGE CHARGE (ONE WAY) | 50.00 | 4.00       | 200.00 |
| T-91 WATER TRANSPORT (FRAC)  | 7.00  | 112.00     | 784.00 |



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
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INVOICE

Invoice # 241441

Invoice Date: 05/19/2011 Terms: 0/0/30,n/30

Page 2

VIVA INTERNATIONAL INC.  
ATTN: ROBERT  
8357 MELROSE DRIVE  
LENEKA KS 66214  
(913) 859-0438

~~GLADES~~ I V-10, V-11, V-12, V-13  
V-14, V-15  
44942  
5-17-11  
KS

| Description                           | Hours | Unit Price | Total   |
|---------------------------------------|-------|------------|---------|
| VALVE FRAC VALVES (2" OR 3")          | 7.00  | 100.00     | 700.00  |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2730.00    | 2730.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2450.00    | 2450.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2450.00    | 2450.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2050.00    | 2050.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2050.00    | 2050.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2050.00    | 2050.00 |
| 476 MINIMUM COMBO CHARGE 1300 HP UNIT | 1.00  | 2050.00    | 2050.00 |
| 476 MILEAGE CHARGE (ONE WAY)          | 50.00 | 4.00       | 200.00  |
| 490 MILEAGE CHARGE (ONE WAY)          | 50.00 | 4.00       | 200.00  |
| T-102 WATER TRANSPORT (FRAC)          | 7.00  | 112.00     | 784.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MINIMUM ACID SPOTTING CHARGE      | 1.00  | 375.00     | 375.00  |
| 582 MILEAGE CHARGE (ONE WAY)          | 50.00 | 4.00       | 200.00  |

Parts: 17243.69 Freight: .00 Tax: 60.66 AR 41063.35  
Labor: .00 Misc: .00 Total: 41063.35  
Sublt: .00 Supplies: .00 Change: .00

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

ELDORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

GILLETTE, WY  
307/688-4914

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

WORLAND, WY  
307/347-4577



**CONSOLIDATED**  
Oil Well Services, LLC

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

6th well

TICKET NUMBER 52408  
FIELD TICKET REF # 44942  
LOCATION Thayer  
FOREMAN Brieth Busby

**TREATMENT REPORT  
FRAC & ACID**

| DATE            | CUSTOMER # | WELL NAME & NUMBER | SECTION                 | TOWNSHIP | RANGE | COUNTY |
|-----------------|------------|--------------------|-------------------------|----------|-------|--------|
| 5-17-11         |            | Glades 1 #V-171    |                         |          |       | WO     |
| CUSTOMER        |            |                    | TRUCK #                 |          |       |        |
| Viva Int.       |            |                    | DRIVER                  |          |       |        |
| MAILING ADDRESS |            |                    | TRUCK #                 |          |       |        |
| CITY            |            |                    | DRIVER                  |          |       |        |
| STATE           |            |                    | 476 Josh 483T904 Marvin |          |       |        |
| ZIP CODE        |            |                    | 990 Donnie/Tim          |          |       |        |
|                 |            |                    | 478 Mark                |          |       |        |
|                 |            |                    | 424 Eric                |          |       |        |
|                 |            |                    | 582 Landon              |          |       |        |
|                 |            |                    | 453T91 Larry            |          |       |        |

**WELL DATA**

|                               |              |
|-------------------------------|--------------|
| CASING SIZE                   | TOTAL DEPTH  |
| CASING WEIGHT                 | PLUG DEPTH   |
| TUBING SIZE <u>2 1/2 8EUC</u> | PACKER DEPTH |
| TUBING WEIGHT                 | OPEN HOLE    |
| PERFS & FORMATION             |              |
| <u>1090-50 (16) Squirrel</u>  |              |

**TYPE OF TREATMENT**

Acid spot w/ Frac + acid OTF

**CHEMICALS**

KCL SUB - Biocide - Breaker  
Acid-inhibitor - Stim Oil

| STAGE                 | BBL'S PUMPED | INJ RATE | PROPPANT PPG | SAND / STAGE | PSI  |                  |
|-----------------------|--------------|----------|--------------|--------------|------|------------------|
| PAD                   | 20           | 21/16    |              |              | 1600 | BREAKDOWN 2300   |
| 20-40                 |              | 21/16    |              | 850#         |      | START PRESSURE   |
| 12-20                 |              | 21/16    |              | 650#         |      | END PRESSURE     |
| 12-20                 |              | 21/16    |              | 500#         |      | BALL OFF PRESS   |
| 8-12                  |              | 21/16    |              |              |      | ROCK SALT PRESS  |
| Balls sealers 0       |              | 16       |              |              |      | ISIP 850         |
| 12-20                 |              | 15       |              |              | 2500 | 5 MIN            |
| 12-20                 |              | 15       |              |              |      | 10 MIN           |
| 8-12                  |              | 15       |              |              |      | 15 MIN           |
|                       |              | 15       |              |              |      | MIN RATE         |
| FLUSH CASING          | 7            |          |              |              |      | MAX RATE         |
| Release balls to T.D. |              |          |              |              |      | DISPLACEMENT 6.1 |
| OVERFLUSH             | 8            |          |              |              |      |                  |
| TOTAL BBL'S           | 93           |          | TOTAL SAND   | 1,400 #      |      |                  |

REMARKS:

spotted 75 gal - 15% HCL acid on perfs

100 gal raw HCL acid OTF in frac

Location 2:30PM - 3:10PM 50 miles

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE 5-17-11

Terms and Conditions are printed on reverse side.