



KANSAS CORPORATION COMMISSION 1066511
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 #: _____

| 04/21/2011 | 04/29/2011 | 05/17/2011 |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-207-27683-00-00
Spot Description: _____
SE NW NW SW Sec. 9 Twp. 24 S. R. 16 East West
2145 Feet from North / South Line of Section
4785 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-11
Field Name: _____
Producing Formation: SQUIRREL
Elevation: Ground: 1037 Kelly Bushing: 1042
Total Depth: 1075 Plug Back Total Depth: 1070
Amount of Surface Pipe Set and Cemented at: 43 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 1070
feet depth to: 0 w/ 152 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 | |
|--|--|
| <input type="checkbox"/> Letter of Confidentiality Received | Date: _____ |
| <input type="checkbox"/> Confidential Release Date: | _____ |
| <input checked="" type="checkbox"/> Wireline Log Received | |
| <input type="checkbox"/> Geologist Report Received | |
| <input type="checkbox"/> UIC Distribution | |
| ALT <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III | Approved by: <u>Deanna Gantior</u> Date: <u>11/07/2011</u> |



1066511

Operator Name: Viva International, Inc. Lease Name: GLADES Well #: V-11
 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 Wire-line Logs surveyed. Attach final geological well site report.

| | | | | | | | | | | |
|--|---|-------|-----|-------|------------------|-----|-----|------------------|------|------|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: GAMMA RAY NEUTRON CASED LOG | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>SQUIRREL (UPPER)</td> <td>970</td> <td>986</td> </tr> <tr> <td>SQUIRREL (LOWER)</td> <td>1021</td> <td>1034</td> </tr> </table> | Name | Top | Datum | SQUIRREL (UPPER) | 970 | 986 | SQUIRREL (LOWER) | 1021 | 1034 |
| Name | Top | Datum | | | | | | | | |
| SQUIRREL (UPPER) | 970 | 986 | | | | | | | | |
| SQUIRREL (LOWER) | 1021 | 1034 | | | | | | | | |

| 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 | 43 | PORTLAND | 10 | |
| PRODUCTION | 5.875 | 2.875 | 6.5 | 1070 | 50/50 POZ MIX | 152 | 2% GEL |
| | | | | | | | |

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

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-----------|
| 2 | 975-984 (19 SHOTS) | SPOT 75 GAL 15% HCL, BREAK @ 1700 | |
| 2 | 1024-1030 (13 SHOTS) | TREATING PSI 1700-1300-2900, ISIP 500 | |
| | | SAND 150# 20/40 1350# 12/20 500# 8/12 | 1024-1030 |
| | | 15 BALL SEALERS 1500# 12/20 500# 8/12 | 975-984 |

| | | |
|--|-------------------------|--|
| TUBING RECORD: Size: <u>1</u> Set At: <u>977</u> Packer At: _____ | | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR. <u>07/01/2011</u> | | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ |
| Estimated Production Per 24 Hours | Oil Bbls. <u>1.5</u> | Gas Mcf _____ Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____ |

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

VIVA INTERNATIONAL INC.

LOC. FSL 2145 FEL 4785
SEC 9 TWP 27 RG 16E

DATE 4-21-11 LEASE Glades I WELL WY-1117 API# 15-207-27623

Had drilling rigged up on location. Drilled surface hole and set 43 ft. of 8 5/8" surface casing. Cemented casing with 10 sacks of portland cement. Shut down until 4-28-11.

4-25-11 Drilled to 608' ~~608' surface casing~~

4-28-11 Drilled to 928'. Shut down.

4-29-11 Drilled down to top of upper sand at 976.

Retained 2 ft. samples to 988. Good sand and oil content to 984.

Samples shaled up from 984 to 988. Highly laminated but still showed some sand. Shaled out from 988' on.

Drilled down to lower sand. Hit 2nd sup. rock at 1019'.

Retained 2 ft. samples from 1021 to 1031. Got in to sand at 1021.

samples shaled out at 1032'. Decent looking samples with good odor and good oil show from 1021 to 1028'. Samples from 1028 to 1032 were black sand with small amount of oil content. Light odor.

Drilled well to T.D. at 1075 ft. Circulated hole clean. pulled drill pipe and laid on trailer.

Ran 1070 ft. of 2 3/8" extra lined service casing in well.

Tagged bottom with casing on Kelly. circulated hole clean.

hung casing on clamp. Ripped down. moved rig to #4-10 location.

4-30-11

Consolidated set up on location. Hoisted up to well. established circulation. mixed 2 sk at gel in wash water. circulated hole clean.

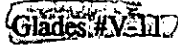
Started cementing well. Pumped well full to surface with cement.

Ran cement plug and pumped plug to T.D. at 1070'.

Set plug at 800 psi. checked for leakage. Shut well in at surface.

Used app 180 sk of 50-50 positive mix cement with 2 3/8 gal. Mixed off location. Topped cement at surface after well settled.

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



API # 15-207-27683-00-00
 SPUD DATE 4-21-11

| Footage | Formation | Thickness | Set 43' of 8 5/8" TD 1075' Ran 1070' of 2 7/8 |
|---------|-----------|-----------|---|
| 2 | Topsoil | 2 | |
| 12 | clay | 10 | |
| 21 | sandstone | 9 | |
| 29 | sand | 8 | |
| 163 | shale | 134 | |
| 212 | lime | 49 | |
| 222 | shale | 10 | |
| 440 | lime | 218 | |
| 459 | shale | 19 | |
| 466 | lime | 7 | |
| 499 | shale | 33 | |
| 634 | lime | 135 | |
| 795 | shale | 161 | |
| 829 | lime | 34 | |
| 878 | shale | 49 | |
| 906 | lime | 28 | |
| 918 | shale | 12 | |
| 922 | lime | 4 | |
| 938 | shale | 16 | |
| 940 | lime | 2 | |
| 955 | shale | 15 | |
| 961 | lime | 6 | |
| 976 | shale | 15 | |
| 984 | sand | 8 | good odor & excellent bleed |
| 1022 | shale | 38 | |
| 1032 | sand | 10 | good odor & bleed |
| 1075 | shale | 43 | |



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 # 241034

Invoice Date: 04/30/2011 Terms: 0/0/30,n/30

Page 1

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

GLADES V-11 v
31901
SW 9-24-16 WO
04/30/2011
KS

| Part Number | Description | Qty | Unit Price | Total |
|-------------|-------------------------|--------|------------|---------|
| 1124 | 50/50 POZ CEMENT MIX | 152.00 | 10.4500 | 1588.40 |
| 1118B | PREMIUM GEL / BENTONITE | 356.00 | .2000 | 71.20 |
| 1107A | PHENOSEAL (M) 40# BAG) | 76.00 | 1.2200 | 92.72 |
| 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 | 1070.00 | .00 | .00 |
| 368 WEEK-END SURCHARGE | .00 | .00 | .00 |
| 369 80 BBL VACUUM TRUCK (CEMENT) | 2.50 | 90.00 | 225.00 |
| 548 TON MILEAGE DELIVERY | 359.48 | 1.26 | 452.94 |

| | | | | | | | |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 1780.32 | Freight: | .00 | Tax: | 129.96 | AR | 3563.22 |
| Labor: | .00 | Misc: | .00 | Total: | 3563.22 | | |
| Sublt: | .00 | Supplies: | .00 | Change: | .00 | | |

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

ELDORADO, KS
316/322-7022

EUREKA, KS
620/583-7684

GILLETTE, WY
307/686-4914

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5288

WORLAND, WY
307/347-4577



CONSOLIDATED
Oil Well Services, LLC

API# 15-207-2768300-06

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-487-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 31901
LOCATION Ottawa KS
FOREMAN Fred Mader

| DATE | CUSTOMER # | WELL NAME & NUMBER | | SI |
|------------------------------------|------------|--------------------|-------------------|----|
| 4/20/11 | 8507 | Glade | 2V-11 | S1 |
| CUSTOMER Viva International | | | | |
| MAILING ADDRESS 8357 Melrose Dr | | | | |
| CITY Lenexa | | STATE KS | ZIP CODE 66214 | |

| SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|----------|---------|--------|
| 9 | 24 | 16 | Wa |
| TRUCK # | DRIVER | TRUCK # | DRIVER |
| 16 | Fred | Safety | Wally |
| 22 | Ken | KH | O |
| 69 | Harold | HDP | |
| 48 | Cecil | CHP | |

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 1
 CASING DEPTH 1070' DRILL PIPE _____ TUBING _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____
 DISPLACEMENT 16.22 DISPLACEMENT PSI _____ MIX PSI _____

CASING SIZE & WEIGHT 2 3/8" Euc
 OTHER _____
 CEMENT LEFT in CASING 2 1/2" Plug
 RATE 4 BPM

REMARKS: Establish circulation. Mix & Pump 100# Premium Gel Flush
Mix & Pump 152 SKS 50/50 Por v
Pheno Seal / suck. Cement to S.
clean. Displace 2 3/8" Rubber Plug
80 BBL Fresh Water. Pressure
Pressure to set float valve.

mp 100# Premium Gel Flush
152 SKS Cement 2 3/8" Gel 1/2"
face. Flush pump & lines
to casing TD w/ 16.22
80 BBL PSI. Release
check easy

Hot Drilling

Fred Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICE or PRODUCT |
|--------------|-------------------|-----------------------------------|
| 5401 | 1 | PUMP CHARGE |
| 5406 | 0 | MILEAGE Truck |
| 5402 | 1070 | Casing Foot |
| 5407A | 359.48 | Ton Miles |
| 5502C | 2 1/2 hrs | 80 BBL Vac |
| 5408 | | Weekend Su |
| 1124 | 152 SKS | 50/50 Por Mix |
| 1118A | 356* | Premium Gel |
| 1107A | 76* | Pheno Seal |
| 4402 | 1 | 2 3/8" Rubber Pl |

| ES or PRODUCT | UNIT PRICE | TOTAL |
|---------------|------------|-----------------------------|
| | | 975 ⁰⁹ |
| lease | | N/C |
| 92 | | N/C |
| | | 452.74 |
| suck | | 225 ⁰⁹ |
| charge | N/C | 225⁰⁹ |
| | | 1588.40 |
| | | 71.20 |
| | | 92.72 |
| | | 25 ⁰⁹ |

WD# 241034

Rev'n 3737

AUTHORIZATION Tim West TITLE _____

7.3% SALES TAX 129.96
 ESTIMATED TOTAL 4276⁸⁶
 DATE 3563.22

I acknowledge that the payment terms, unless specifically amended in my 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
LENEXA KS 66214
(913) 859-0438

GLADES V-10, V-11, V-12, V-13
V-14, V-17, 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 |

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

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

WORLDWIDE, WY
307/347-4577



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 # 241441

Invoice Date: 05/19/2011 Terms: 0/0/30,n/30 Page 2

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

GLADES I V-10, V-11, V-12, V-13
V-14, V-17, 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 318/322-7022 EUREKA, KS 620/583-7884 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

2nd well

TICKET NUMBER 52381
FIELD TICKET REF # 49992
LOCATION Thayer
FOREMAN Brett Budby

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-487-8676

**TREATMENT REPORT
FRAC & ACID**

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---------------------|------------|--------------------|---------|----------|-------|--------|
| 5-17-11 | | Glades I #V-11 | | | | MO |
| CUSTOMER | | | | | | |
| Viva Int. | | | | | | |
| MAILING ADDRESS | | | | | | |
| CITY STATE ZIP CODE | | | | | | |

| TRUCK # | DRIVER | TRUCK # | DRIVER |
|---------|--------|---------|--------|
| 476 | Josh | 488T102 | Marvin |
| 496 | Donnie | 452T63 | |
| 478 | Mark | | |
| 582 | London | | |
| 424 | Eric | | |
| 453T91 | Larry | | |

WELL DATA

| | |
|------------------------------|---------------|
| CASING SIZE | TOTAL DEPTH |
| CASING WEIGHT | PLUG DEPTH |
| TUBING SIZE <u>2 7/8 XUC</u> | PACKER DEPTH |
| TUBING WEIGHT | OPEN HOLE |
| PERFS & FORMATION | |
| = 1030 | (19) Squirrel |
| | (5) |

TYPE OF TREATMENT
Acid spot + frac w/acid OTF

CHEMICALS
KCl sub-Bioide - Breaker
Acid-inhibitor - StimOil

| STAGE | BBL'S PUMPED | INJ RATE | PROPPANT PPG | SAND / STAGE | PSI | |
|---------------------------|--------------|----------|--------------|--------------|------|------------------|
| PAD | 20 | 21 | | | 1500 | BREAKDOWN 1700 |
| 20-40 | | | | 150# | 1300 | START PRESSURE |
| 12-20 | | | | | | END PRESSURE |
| 12-20 | | | | 1850# | 1300 | BALL OFF PRESS |
| 8-12 | | | | 500# | | ROCK SALT PRESS |
| Ballsealers (15) | | 21-10 | | | 2900 | ISIP 500 |
| 12-20 | | 10 | | | | 5 MIN |
| 12-20 | | 10 | | | | 10 MIN |
| 12-20 | | 10-12 | | 1500# | | 15 MIN |
| 8-12 | | 12 | | 500# | | MIN RATE |
| FLUSH CASING | 10 | 12 | | | | MAX RATE |
| Release balls to T.D. X 2 | | | | | 1700 | DISPLACEMENT 6.0 |
| OVER FLUSH | 16 | 16 | TOTAL SAND | 4000# | 1600 | |
| TOTAL BBL'S | 132 | | | | | |

REMARKS:
spotted 75 gal 15% HCl acid on perfs
50 gal raw HCl acid OTF

Location 10:45AM - 11:30AM 50 miles

AUTHORIZATION [Signature] TITLE _____ DATE 5-17-11

Terms and Conditions are printed on reverse side.