



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1098253

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|---|---|

| CASING RECORD <input 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

| | | | | | |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|---|---|--|



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 36314
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

CEMENT APJ 15-125-32167

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|----------------------|------------|--------------------|----------|---------------|---------------|--------|
| 3-16-12 | 2826 | Patterson #6 | 9 | 33S | 14E | ME |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| Fidelity Energy, Inc | | | 485 | Alan M | | |
| MAILING ADDRESS | | | 479 | Josy | | |
| P.O. Box 36 | | | 619/T-91 | George Taylor | (Thayer Camp) | |
| CITY | STATE | ZIP CODE | | | | |
| Sedan | Ks | 67361 | | | | |

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1245' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 19 3/4 DISPLACEMENT PSI 700 3 1/2" plug 1200 RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Pump 20 bbls fresh water ahead. Mix 300# Gel Flush (Got circulation had 5 bbls gel water) Pump 5 bbls water spacer + 5 bbls Dye water. Mix 110 sks Thick set cement w/ 5# Kal-seal + 1/2# Pheno seal per/sk AT 12.5'. Work out pump & lines. Shut down Release plug. Displace with 19 3/4 bbls fresh water. Final pump pressure 700# Pump Plug 1200# Wait 2 min Release pressure Plug held Good circulation during job. Didn't circulate cement 4 bbls Dye water. Job complete Rig down

Thank you

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|---------------------|-------------------|------------------------------------|-----------------|---------|
| 5401 | 1 | PUMP CHARGE | 1030.00 | 1030.00 |
| 5406 | 45 | MILEAGE | 4.00 | 180.00 |
| 1126A | 110 sks | Thick set cement | 19.20 | 2112.00 |
| 1110A | 550# | Kal-seal 5# per/sk | .46 | 253.00 |
| 1107A | 55# | Pheno seal 1/2# per/sk | 1.29 | 70.95 |
| 1118B | 300# | Gel Flush | .21 | 63.00 |
| 5407A | 2.05 | Ten Mileage Bulk Truck | 134 | 364.82 |
| 4404 | 1 | 4 1/2 Top Rubber Plug | 45.00 | 45.00 |
| 55012 | 4 hrs | Water Transport | 112.00 | 448.00 |
| 1123 | 5500 gallons | CITY WATER | 16.59/1000 | 90.75 |
| Total 4823.52 | | | | |
| 5% Discount -241.19 | | | | |
| 4582.33 | | | | |
| | | | Sub Total | 4657.52 |
| | | | SALES TAX | 166.00 |
| | | | ESTIMATED TOTAL | 4823.52 |

Ravin 3737

AUTHORIZATION W. Mead TITLE VP 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

ENTERED

TICKET NUMBER 36314
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

CEMENT API 15-125-32167

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|----------------------|------------|--------------------|----------|---------------|---------------|--------|
| 3-16-12 | 2826 | Patterson #6 | 9 | 33S | 14E | McE |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| Fidelity Energy, Inc | | | 485 | Alan M | | |
| MAILING ADDRESS | | | 479 | Josy | | |
| P.O. Box 36 | | | 619/T-91 | George Taylor | (Thayer Camp) | |
| CITY | STATE | ZIP CODE | | | | |
| Sedan | Ks | 67361 | | | | |

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1245' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 19 3/4 DISPLACEMENT PSI 700 3 1/2" plug 1200 RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Pump 30 bbls Fresh water ahead. Mix 300^g Gel Flush (Got circulation Had 5 bbls Gel water) Pump 5 bbls water spacer + 5 bbls Dye water. Mix 110 sks Thick set Cement w/ 5^g Kol-seal + 1/2^g Pheno seal per 7 sk AT 12.5^g. Wash out pump & lines. Shutdown Release plug. Displace with 19 3/4 bbls Fresh water. Final pump Pressure 700^{psi} Pump Plug 1200^{psi}. Wait 2 min Release Pressure Plug held Good Circulation During Job. Didn't Circulate Cement 4 bbls Dye water. Job Complete Rig down

Thank you

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|---------------------|-------------------|------------------------------------|------------|---------|
| 5401 | 1 | PUMP CHARGE | 1030.00 | 1030.00 |
| 5406 | 45 | MILEAGE | 4.00 | 180.00 |
| 1126A | 110 sks | Thick set Cement | 19.20 | 2112.00 |
| 1110A | 550 ^g | Kol-seal 5 ^g per/sk | .46 | 253.00 |
| 1107A | 55 ^g | Phenoseal 1/2 ^g per/sk | 1.29 | 70.95 |
| 1118B | 300 ^g | Gel Flush | .21 | 63.00 |
| 5407A | 6.05 | Ton Mileage Bulk Truck | 1.34 | 364.82 |
| 4404 | 1 | 4 1/2 Top Rubber Plug | 45.00 | 45.00 |
| 5501c | 4 hrs | Water Transport | 112.00 | 448.00 |
| 1123 | 5500 gallons | CITY Water | 16.54/1000 | 90.75 |
| Total 4823.52 | | | | |
| 5% Discount -241.19 | | | | |
| 4582.33 | | | | |
| SUBTOTAL | | | | 4657.52 |
| SALES TAX | | | | 106.00 |
| ESTIMATED TOTAL | | | | 4823.52 |

Form 3737

AUTHORIZATION W. Mead TITLE VP 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.



Tony Carpenter
 918-338-0810
 Cell 918-331-7133
 Fax 918-337-4773

5/30/2012
 (Bid good for 60 days)

Fedility
 Patterson CHK #6
 Bartlesville
 1
 4.5"
 1196' - 1204'

420
 17640

Shelley
 318-780-5632

| | | | | | |
|-------|---|----------|---------------------------|------------------|--------------------|
| 5102 | 2250 HP PUMP (UP TO 5500 PSI) | 1 | PER JOB | \$ 3,275.00 | \$ 3,275.00 |
| 5106 | BLENDER TRUCK (0-20 BPM) | 1 | PER JOB | \$ 1,050.00 | \$ 1,050.00 |
| 5111 | FRAC VAN | 1 | PER JOB | \$ 1,500.00 | \$ 1,500.00 |
| 5116 | IRON TRUCK | 1 | PER JOB | \$ 250.00 | \$ 250.00 |
| 5107 | FLOW METERED CHEMICAL PUMP | 3 | PER JOB | \$ 125.00 | \$ 375.00 |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| | | | | SUB TOTAL | \$ 6,450.00 |
| | | 24% | EQUIPMENT DISCOUNT | | \$ 1,548.00 |
| 1205 | BACHSIDE | 5.0 | GALLONS | \$ 30.00 | \$ 150.00 |
| 1215A | KCL SUBSTITUTE (KCL-8001) | 18.0 | GALLONS | \$ 36.50 | \$ 657.00 |
| 1275 | 15% HCL ACID (CHARGE FOR INHIBITOR IN ADDITION) | 350.0 | GALLONS | \$ 2.40 | \$ 840.00 |
| 1202 | ACID INHIBITOR (AI-260) | 1.0 | GALLONS | \$ 50.00 | \$ 50.00 |
| 1214 | IRON CONTROL (SP-950) | 2.0 | GALLONS | \$ 40.00 | \$ 80.00 |
| 1219B | STIMFLO (FBA) | 1.0 | GALLONS | \$ 65.00 | \$ 65.00 |
| 1244 | CLAY STAY (CS-250)(CS-702) | 1.0 | GALLONS | \$ 37.00 | \$ 37.00 |
| 1231 | FRAC GEL (GA-40W) | 400.0 | SACK | \$ 15.00 | \$ 6,000.00 |
| 1208C | BREAKER AMMONIUM PERSULFATE | 25.0 | SACK | \$ 4.86 | \$ 121.50 |
| 1208 | BREAKER (LEB-4) | 1.0 | GALLONS | \$ 200.00 | \$ 200.00 |
| 1268 | CITY WATER (TAXABLE) | 21,000.0 | GALLONS | \$ 0.02 | \$ 327.60 |
| 0 | | | 0.0 | \$ - | \$ - |
| 0 | | | 0.0 | \$ - | \$ - |
| 2102 | 12/20 BROWN (bulk) | 13,000 | POUNDS | \$ 0.27 | \$ 3,510.00 |
| 2104A | 16/30 BROWN SAND | 7,000 | POUNDS | \$ 0.23 | \$ 1,610.00 |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 5310A | ACID TRANSPORT | 2 | PER HOUR | \$ 140.00 | \$ 280.00 |
| 5109 | MIN. BULK DELIVERY (WITHIN 50 MILES) | 1 | PER LOAD | \$ 315.00 | \$ 315.00 |
| 5108 | MILEAGE CHARGE (ONE WAY) | 160 | PER MILE | \$ 4.00 | \$ 640.00 |
| 5501F | WATER TRANSPORT (FRAC) | 12 | PER HOUR | \$ 112.00 | \$ 1,344.00 |
| 0 | | | 0 | \$ - | \$ - |
| 5604 | 2 INCH FRAC VALVE | 1 | PER WELL | \$ 100.00 | \$ 100.00 |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |
| 0 | | | 0 | \$ - | \$ - |

Discount good
 if Paid within 30
 days

| | | |
|-----|------------------------------|---------------------|
| | SUB TOTAL | 22,777.10 |
| 24% | CONSOLIDATED DISCOUNT | 5,466.50 |
| | SALES TAX | |
| | DISCOUNTED TOTAL | \$ 17,331.23 |



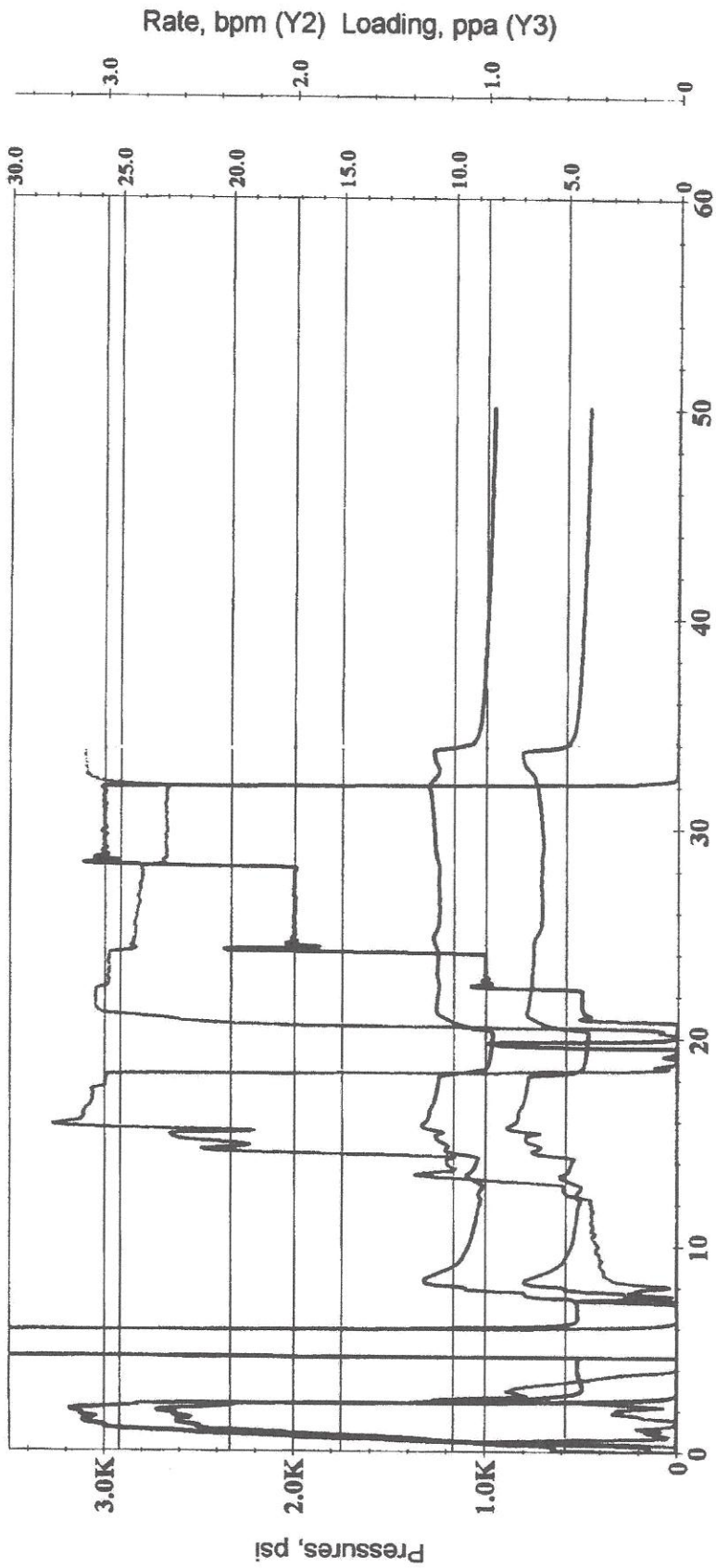
| Equipment and Mileage Required | | | |
|---|----------|--|--------------------|
| Cost Estimate | | | |
| 2250 HP PUMP (UP TO 5500 PSI) | 1 | | |
| BLENDER TRUCK (0-20 BPM) | 1 | | |
| FRAC VAN | 1 | | |
| IRON TRUCK | 1 | | |
| FLOW METERED CHEMICAL PUMP | 3 | | |
| SAND TRUCK | 1 | | |
| ACID TRANSPORT | 1 | | |
| WATER TRANSPORTS | 5 | | |
| CHEMICALS | | | |
| | | | LOADING (GAL/1000) |
| BACHCIDE | 5.0 | | 0.25 |
| KCL SUBTITUTE (KCL-8001) | 18.0 | | 1 |
| 15% HCL ACID (CHARGE FOR INHIBITOR IN ADDITION) | 350.0 | | |
| ACID INHIBITOR (AI-260) | 1.0 | | 1 |
| IRON CONTROL (SP-950) | 2.0 | | 2 |
| STIMFLO (FBA) | 1.0 | | 1 |
| CLAY STAY (CS-250)(CS-702) | 1.0 | | 1 |
| FRAC GEL (GA-40W) | 400.0 | | 25# |
| BREAKER AMMONIUM PERSULFATE | 25.0 | | 1# |
| BREAKER (LEB-4) | 1.0 | | 6 Oz |
| CITY WATER (TAXABLE) | 21,000.0 | | |
| | | | |
| | | | |
| | | | |
| Number of Ball Sealers Needed | 0 | | |
| Total Amount of gel Needed | 400 | | |
| 12/20 BROWN (bulk) | 13,000 | | |
| 16/30 BROWN SAND | 7,000 | | |
| | | | |
| Sand delivery mileage | | | |

Consolidated to provide 5 Transports with 500 bbls fresh water
and 1 Acid Transport with 350 gals 15% Acid



Discount good if paid within 30 days

— BHP — STP — Loading



CurrentJobRpt.RPT

FINAL JOB TOTAL REPORT

| STAGE # | CARRIER PUMPED DESIGNED | FLA gal | PUMPED gal | CONCENTRATION ppa | SOLIDS DESIGNED ppa | WEIGHT PUMPED LBS | DESIGNED LBS | BBS | BBS | BPM | STP | BHP | SOLIDS |
|---------|-------------------------|---------|------------|-------------------|---------------------|-------------------|--------------|-------|-------|------|---------|---------|--------|
| 1 | 21.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 8.3 | 2.4 | 2599.51 | 3109.66 | 0.00 |
| 2 | 127.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 128.5 | 119.0 | 119.0 | 12.0 | 626.47 | 1115.97 | 0.05 |
| 3 | 40.8 | 0.00 | 0.00 | 0.47 | 0.50 | 1000.00 | 41.1 | 48.7 | 48.7 | 25.4 | 769.47 | 1239.85 | 0.48 |
| 4 | 45.5 | 0.00 | 0.00 | 0.98 | 1.00 | 1875.17 | 45.5 | 49.8 | 49.8 | 25.5 | 755.17 | 1247.68 | 1.03 |
| 5 | 43.8 | 0.00 | 0.00 | 1.85 | 2.00 | 3401.05 | 43.8 | 51.9 | 51.9 | 24.3 | 727.75 | 1253.96 | 2.02 |
| 6 | 54.6 | 0.00 | 0.00 | 1.84 | 2.00 | 4213.11 | 54.6 | 51.9 | 51.9 | 24.1 | 708.97 | 1240.89 | 2.00 |
| 7 | 110.4 | 0.00 | 0.00 | 2.12 | 3.00 | 9827.79 | 110.5 | 81.1 | 81.1 | 23.5 | 718.92 | 1267.60 | 2.46 |
| 8 | 25.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.5 | 19.3 | 19.3 | 8.3 | 1821.06 | 2315.64 | 0.00 |

| | | | | | | | | | | | | | |
|---------|-------|-------|------|------|------|----------|----------|-------|-------|------|---------|---------|------|
| FracJob | 448.6 | 400.2 | 0.00 | 1.07 | 1.19 | 20127.20 | 20000.00 | 449.5 | 421.8 | 17.3 | 1198.23 | 1699.91 | 1.22 |
| TotlJob | 469.9 | 408.6 | 0.00 | 1.02 | 1.17 | 20127.20 | 20000.00 | 469.8 | 430.1 | 13.6 | 1466.24 | 1969.54 | 1.02 |

| | |
|-------------------|------------------|
| Customer | Fidelity |
| Customer Acct # | |
| Well No. | Patterson CHK #6 |
| Mailing Address | |
| City and State | |
| Zip Code | |
| Dispatch Location | BARTLESVILLE |

| | | | |
|---------|---------------------------|-----------|--------------|
| County | Montgomery County, Kansas | Stage | 1 |
| Section | 18 | Formation | Bartlesville |
| TWP | 26N | TVD Perfs | 1196-1204 |
| RANGE | 16E | MD Perfs | |

| | |
|-------------|--|
| On Location | |
| Departed | |

| WELL DATA | | | | | | DRIVER | | DRIVER | |
|------------------|--------------------------|--------------------------------|-------------|---------------------|--------------|----------|---------|-----------|--|
| TREATMENT TYPE | TREATMENT THROUGH CASING | | | PLUG DEPTH (FT) | | | | | |
| TVD OF PERFS | | MD OF PERFS | | PACKER DEPTH (FT) | | 532 | Frank B | | |
| CASING SIZE (OD) | CASING WEIGHT | TMD TO TOP PERF(FT) | ID (INCHES) | DISPL COEF (BBL/FT) | VOLUME (BBL) | 403-T111 | Rob D | | |
| | | | | | 81.1 | 533-T35 | David C | | |
| | | | | | | 546-T17 | John W | | |
| 0 | 0 | 0 | 0 | 0.0000 | 0.0 | | 550 | Mike H | |
| OVER FLUSH | 0 | DISPLACEMENT TO TOP PERF (BBL) | | | | 422-T115 | 396 | Brandon W | |
| | | | | | | 499-T184 | | Russel S | |
| | | | | | | 560-T123 | | James B | |
| | | | | | | | | Dusty F | |

| PERF DATA | | CHEMICALS | |
|------------------|--|---|-----|
| TOTAL HOLES SHOT | | BACHCIDE | 5 |
| NOLE ID (IN) | | NCL SUBSTITUTE (NCL-8001) | 18 |
| PHASING | | % HCL ACID (CHARGE FOR INHIBITOR IN ADDITION) | 350 |
| BPF | | ACID INHIBITOR (AI-250) | 1 |
| | | IRON CONTROL (IP-800) | 2 |
| | | STMPLO (FBA) | 1 |
| EFFECTIVE HOLES | | CLAY STAY (CS-250)(CS-702) | 1 |

| FET ANALYSIS (Optional) | | | | | | | |
|-------------------------|---------|----------|--|--------------|--|------------|---------------|
| FLUID WEIGHT | 8.34 | MAX RATE | | MAX PRESSURE | | ISDP | |
| HYDROSTATIC HEIGHT | 3408 | RATE 1 | | PRESSURE 1 | | 5 MIN SIP | FRAC GRAD |
| FLUID SG | 1.01 | RATE 2 | | PRESSURE 2 | | 10 MIN SIP | FLUID EFF (%) |
| HYDROSTATIC PRESS | 1477.98 | RATE 3 | | PRESSURE 3 | | 15 MN SIP | CALC PERM |

| PRESSURE DATA | | | | | | | |
|---------------|------------------|--------------------|------|-------|--------|--------|--------|
| MAX PRESSURE | INITIAL PRESSURE | BREAKDOWN PRESSURE | ISDP | 5 MIN | 10 MIN | 15 MIN | 30 MIN |
| | | 2815 | 585 | 500 | 481 | 468 | |

| SUMMARY | | PROP TYPE | | TOTAL PUMPED | |
|--------------------|------------|-----------------------|----------|--------------|--|
| TOTAL FLUID PUMPED | 397 BBL | MAX TREATING PRESSURE | 813 PSI | | |
| PROPPANT PUMPED | 1249.5 LBS | MIN TREATING PRESSURE | 707 PSI | | |
| MAX RATE | 26 BBL/MIN | AVE TREATING PRESSURE | 630 | | |
| MIN RATE | 26 BBL/MIN | | | | |
| AVERAGE RATE | 13 | | | | |
| | | FLUID WEIGHT | 8.34 | | |
| | | HYDROSTATIC HEIGHT | 3408 | | |
| | | HYDROSTATIC PRESS | 1,477.98 | | |
| | | FRAC GRADIENT | 0.81 | | |

| STAGE | CLEAN BBL | DESIGN | FLUID TYPE | PRESSURE | RATE | PROP AMOUNT | DESIGN | CONC | TYPE |
|-------|-----------|--------|------------|----------|------|-------------|---------|------|--------------------|
| 1 | 119 | Pad | Gel Water | 0-755 | 0-26 | 1249.50 | | 0 | |
| 2 | 47 | | Gel Water | 755-765 | 0-26 | 0.00 | 0.5 LBS | | 16/30 BROWN SAND |
| 3 | 47 | | Gel Water | 765-745 | 0-26 | 0.00 | 1 LBS | | 16/30 BROWN SAND |
| 4 | 47 | | Gel Water | 745-749 | 0-26 | 0.00 | 2 LBS | | 16/30 BROWN SAND |
| 5 | 47 | | Gel Water | 746-707 | 0-26 | 0.00 | 2 LBS | | 12/20 BROWN (bulk) |
| 6 | 71 | | Gel Water | 707-708 | 0-26 | 0.00 | 3 LBS | | 12/20 BROWN (bulk) |
| 7 | 19 | Flush | Gel Water | 708-813 | 0-26 | 0.00 | | | |
| 8 | | | | | | 0.00 | | | |
| 9 | | | | | | 0.00 | | | |
| 10 | | | | | | 0.00 | | | |
| 11 | | | | | | 0.00 | | | |
| 12 | | | | | | 0.00 | | | |
| 13 | | | | | | 0.00 | | | |
| 14 | | | | | | 0.00 | | | |
| 15 | | | | | | 0.00 | | | |
| 16 | | | | | | 0.00 | | | |
| 17 | | | | | | 0.00 | | | |
| 18 | | | | | | 0.00 | | | |
| 19 | | | | | | 0.00 | | | |
| 20 | | | | | | 0.00 | | | |
| 21 | | | | | | 0.00 | | | |
| 22 | | | | | | 0.00 | | | |
| 23 | | | | | | 0.00 | | | |
| 24 | | | | | | 0.00 | | | |
| 25 | | | | | | 0.00 | | | |
| 26 | | | | | | 0.00 | | | |
| 27 | | | | | | 0.00 | | | |