Operator: License # 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
City/State/Zip: Wichita, Kansas 67202
Purchaser: Eaglewing
Operator Contact Person: Tom W. Nichols
Phone: (.316) 267-3241
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Kim Shoemaker
Designate Type of Completion:
  ✔ New Well   ✗ Re-Entry   ✗ Workover
  ✔ Oil   SWD   SIOW   Temp. Abd.
  ✔ Gas   ENHR   SIGW
  ☐ Dry   ☐ Other (Core, WSW, Exp., Cathodic, 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./SWD
  ☐ Plug Back   ☐ Plug Total Depth
  ☐ Commingled   Docket No.__________
  ☐ Dual Completion   Docket No.__________
  ☐ Other (SWD or Enhr.? )   Docket No.__________
7/15/05  8/4/05  9/27/05
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-025-21301-0000
County: Clark
C, SE, NW, Sec. 5 Twp. 32 S, R. 24 ☑ East ✗ West
1920 N _______ feet from S/N (circle one) Line of Section
1880 W _______ feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
  ☐ NE SE NW SW
Lease Name: Morton Trust  Well #: 1-5
Field Name: Wildcat
Producing Formation: Arbuckle
Elevation: Ground: 2364' Kelly Bushing: 2374'
Total Depth: 6971' Plug Back Total Depth: 6947'
Amount of Surface Pipe Set and Cemented at 720 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set __________________ Feet
If Alternate II completion, cement circulated from __________________ Feet
foot depth to __________________ w/________________ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) Act I WHM 12-12-07
Chloride content __________ ppm Fluid volume. __________ bbls
Dewatering method used __________ Location of fluid disposal if hauled offsite:

Operator Name: 
Lease Name: __________ License No: __________
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: __________ Docket No: __________

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature:   Title: Tom Nichols, Production Manager Date: 10-3-05
Subscribed and sworn to before me this 3rd day of October 2005
Notary Public: Susan Brady
Date Commission Expires: 11-4-07

KCC Office Use ONLY

☐ Letter of Confidentiality Received
  If Denied, Yes ☐ Date: __________
  Wireline Log Received
  Geologist Report Received
  UIC Distribution

SUSAN BRADY
NOTARY PUBLIC
STATE OF KANSAS
my Appl. Exp.
Operator Name: Murfin Drilling Company, Inc.  Lease Name: Morton Trust  Well #: 1-5

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken
(Attach Additional Sheets)

☐ Yes  ☐ No

☐ Log  Formation (Top), Depth and Datum  ☐ Sample

☐ Yes  ☐ No

Samples Sent to Geological Survey

☐ Yes  ☐ No

Cores Taken

☐ Yes  ☐ No

Electric Log Run
(Submit Copy)

☐ Yes  ☐ No

List All E. Logs Run:

Dual Induction, Compensated Porosity, Microresistivity

CASING RECORD  ☐ New  ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

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<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Fl.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
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<td>Surface</td>
<td>8 5/8</td>
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ADDITIONAL CEMENTING / SQUEEZE RECORD

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<th>Purpose:</th>
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PERFORATION RECORD - Bridge Plugs Set/Type

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<th>Shots Per Foot</th>
<th>Depth</th>
<th>Purpose:</th>
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<td>6807-6812, 6818-6820, 6822-6824, 6834-6838</td>
<td>PERFORATION RECORD - Bridge Plugs Set/Type</td>
<td>Specify Footage of Each Interval Perforated</td>
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TUBING RECORD

Size: 2 7/8"  Set At: 6862'

Liner Run: ☐ Yes  ☑ No

Date of First, Resumed Production, SWD or Enhr.  9/28/05

Producing Method: ☑ Flowing  ☑ Pumping  ☐ Gas Lift  ☐ Other (Explain)

Producing Method

Estimated Production Per 24 Hours

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<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
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<td>150</td>
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Disposition of Gas

☐ Vented  ☐ Sold  ☐ Used on Lease

(If vented, Submit ACO-18)

METHOD OF COMPLETION

☐ Open Hole  ☑ Perf.  ☐ Dually Comp.  ☐ Commingled

☐ Other (Specify)  ☐

Production Interval
8/4/05  RTD 6971'. Cut 0'. DT: none. CT: 16 ¾ hrs. Ran 179 jts. 15.5 # 5 ½" prod. csg. set @ 6967'. Cmt. w/225 sx. AA-2, 10% salt, 5% gel, 1% reformer, 8% fla-32, ¼# cell flake, 5# gilsonite. 25 sx. in RH & MH.

**FINAL REPORT.**

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<th>Formations</th>
<th>Sample Tops</th>
<th>Datum</th>
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Morton Trust #1-5
Operator: Murfin Drilling Company, Inc.
Contractor: Val Energy, Inc.
Rig #2

Gauss North #3155
1920 FNL 1880 FWL
Sec. 5-T32S-R24W
Clark County, Kansas

Call Depth: 3300'
Spud: 8:30 p.m. 7/15/05

TD: 6971'
Elevation: 2364 GL
2374' KB

DAILY INFORMATION:
7/11/05 Ran 81' of 20'' conductor pipe.

7/14/05 Moved in three loads, location too muddy, will wait until tomorrow to move in rotary.

7/15/05 MIRT. Will spud this evening.

7/16/05 Depth 490'. Cut 410'. DT: 3 hrs. (rig service, connection). CT: none.

7/17/05 Depth 1135'. Cut 645'. DT: 9 ¾ hrs. (1 ¾ hrs. rig serv. con, 8 hrs. WOC). CT: none. Dev.: 1 ¼' @ 725'. Ran 16 jts = 710' of new 24# 8 5/8'' surf. csg. set @ 720', cmt. w/200 sx. A-con, 3% cc, ¾# cell, 150 sx. class A,
2% cc, ¾ # cell, cem did circ. by Acid Service, p.d. @ 2:15 p.m., drilled out plug @ 10:15 p.m. 7/16/05.


7/20/05 Depth 3660'. Cut 640'. DT: 2 hrs. (rig serv. con). CT: 1 ¾ hrs. (CFS @ 3630'). Dev.: none.


7/22/05 Depth 4710'. Cut 520'. DT: 2 hrs. (rig serv. con). CT: 1 ¼ hrs. (CFS @ 4575'). Dev.: none.
7/23/05 Depth 5041'. Cut 331'. DT: 1 ¾ hrs. (rig serv. con). CT: 1 hr. (CFS @ 4783'). Dev.: none.

7/24/05 Depth 5315’. Cut 274’. DT: 1 ½ hrs. (rig serv. con). CT: ¾ hr. (CFS @ 5200’). Dev.: none.


7/30/05 Depth 6821’. Cut 178’. DT: 1 ¾ hrs. (rig serv. con). DT: 3 ½ hrs. (CFS @ 6710 & 6821’).

7/31/05 Depth 6821’. Cut 0’. DT: none. CT: 24 hrs. Dev.: 1º @ 6821’. DST #1 6735-6821’ (Simpson): 30-90-60-90; IF: strong blow BOB in 1 min., GTS in 13 min. ISI: bled off, blow back @ BOB. FF: strong blow, BOB immed. FSI: bled off, blow back @ BOB. Rec. 3225' CGO (grav. 38º). HP: 3389-3074; FP: 893/1006, 1120/1222; SIP: 1967-1834. BHT 145º.


8/3/05 RTD 6971’. Cut 100’. DT: ¾ hr. CT: 16 ¾ hrs. Dev.: 1º @ 6970’. Log Tech began logging at midnight.
8/4/05  RTD 6971'. Cut 0'. DT: none. CT: 16 ¾ hrs. Ran 179 jts. 15.5 # 5 ½"
prod. csg. set @ 6967'. Cmt. w/225 sx. AA-2, 10% salt, 5% gel, 1%
reformer, 8% fla-32, ¼# cell flake, 5# gilsonite. 25 sx. in RH & MH.

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8/03/05 Val Energy #2 Driller TD 6971', Log Tech TD 6970', 181 jts 5 ½", 15.5 new casing on location. TIH w/ bit to bottom circulate & condition hole ½ hrs. Francis csg crew on location. TOH & laid down drill pipe, collars & bit. Installed 8 5/8" & 5 ½ clip type head. Tally 5 ½ csg. Arc N Spark Welding welded rotating scratchers @ 6795'-6850'. RU csg. Tong start running casing @ 23:00 hrs.

8/04/05 Val Energy #2, TIH w/ 1 – 5 ½ float shoe, 5 ½& 20' shoe jt 15.5 & latch down baffle, TIH w/ 178 jts 5 ½, 15.5 new casing from Trident Steel. P U1 jt & tagged TD. Float shoe @ 6967', latch down baffle @ 6947' centralizers on jts 1,3,5,7,9,11,13,15,17,19,21,23,25. Cmt basket @ jt #13 – 495'. Broke circulation f30 mins w/ 90 jts csg in hole. 179 jts total in hole. Broke circulation. Start rotating 5 ½ csg, circ f 1 hr. RU Acid Services pumped 20 bbl 2% KCL wtr & 12 bbl super flush & 10 bbl 2% KCL water & mix, pumped 250 sks AA-2 premium cmt w/ additives. SD released latch down plug. Start displacement w/ 165 BW @ 115 bbl lift cmt 5 bpm 600 psi good returns thru-out cement job stop rotation @ 160 bbl plug down pressure plug to 1700 psi release psi plug held OK. Plug down @ 7:00 a.m. Mixed & pumped 25 sks for rat & mouse hole. Installed 5 ½ slips & packed off head, cut 5 ½ csg. Job Complete 8:00 a.m.

8/12/05 Location too wet to run cmt bond log.

8/13/05 Arc-N-Spark Welding welded 5 ½" slip on collar @ csg.

8/15/05 W & L delivered 2 7/8” bbg.

8/16/05 RU Peak Wireline to run cement bond log. Tool stacking out @ 2350’. Will get rig ASAP

8/18/05 Waiting on Rig. Reports will be sent as soon as MIRU.

8/29/05 Best Well Service MIRU. SDON rig, wait on parts 1 hr. PU 4 7/8" bit & crossover. RIH w/ bit & 2 7/8, 6.5# bbg. Tag solid @ 2399 ft KB. POOH w/ bbg & bit. PU & RIH w/ 4 3/8” OD tar block, 1 std bbg & subs (68 ft in length) on sand line. Stack out at 2368 ft. POOH and check tar block. Run back in with tar block, verify depth w/ depthmeter. Again stack out at 2368 ft. Tar block shows rolled pin, clear thread impression looking up. Call for orders. Secure well and SDFN.

In morning, RIH w/ tapered swedge.

8/31/05 RIH w/ 4 ¾ tapered swedge & bumper sub, hydraulic jars, c/o 2 7/8 bbg to 2399’ stacked out. Work bbg for 30 min. 4 ¾ tapered swedge went thru rolled pin. TIH w/ bbg to 2460’. TOH w/ bbg & tools. RIH w/ 4 7/8 tapered swedge & bumper sub, hydraulic jars, c/o & 2 7/8 bbg to 129’ stacked out work bbg for 1 hr could not get tool past 129’ TOH w/ bbg & tools. RIH w/ 4 13/16 tapered swedge & bumber sub, hydraulic jars, c/o & 215 jts 2 7/8” bbg to 6948’. TOH w/ 2 7/8” bbg & tools. RIH w/ 4 ¾ bit & 5 ½” csg scraper, 2 7/8” bbg to 2875’. SI Well. SDON.

9/01/05 TOH w/ 4 ¾ bit, 5 ½ csg scraper & 2 7/8 bbg. RU Perf-Tech wireline @ 5 ½ csg. Run Cement Bond log. TOC 5500’ LTD 6971’ RU csg swab s/d to 6500’. RU Perf-Tech perforate Arbuckle zones 6807-6812’, 6818-6820’, 6822-6824’, 6834-6838’ w/ 4 spf & EHSC. TIH w/ RBP, pkr & 2 7/8 bbg to 2790’. SI Well. SDON.

9/02/05 Finish RIH w/ RBP, pkr, SN, 2 7/8” bbg. Set RBP @ 6850’ Set pkr @ 6830’ perfs @ 6834’ – 6838. RU bbg swab fl @ 3500’, 4 rph fl @ 6000’ 13.92 BO 100% oil. SD for 45 min. fl @ 5500’ 2nd run fl @ 6000’ 10.44 BO 100% oil 3rd run dry. SD for 30 min. check fl 50’ FIH. SI well. SDOWE.

9/06-07/05 SD raining
9/08/05    #15 @ csg, #10 @ tbg. RU tbg swab fl @ 6000', 830' FIH. 1st run swab 3 ½ BO 100% oil, 2nd & 3rd run dry. RBP @ 6850'. Pkr @ 6830' perfs @ 6834'–6838' RU Acid Services @ tbg pump 6 bbl 15% MCA. Flush w/ 39.6 bbl 2% KCL tbg loaded stage pressure for 4 hours 500#/ to 1000#. Could not breakdown formation. RU @ csg pump 21 bbl 2% KCL water. Release pkr move tools. Set RBP @ 6830', pkr @ 6815' perfs @ 6818-6820', 6822-6824' RU @ tbg start 2% KCL water 17.8 bbl tbg loaded. Treat perfs @ 1 bpm & 450#. End flush SD ISIP 400#, 5 min 150#, 10 min Vac RD. RU tbg swab & swab load 45 bbl, 20 BO, 100% oil, 65 bbl total. Release pkr & reset pkr. Fl @ 2600'. SI well. SDON.

9/09/05 Retreated Arbuckle zones 6818-6820+6822-6824 with 500 gal. 15% MCA w/perf balls. No ball action at minimal pressure. Swabbed back & began testing. Tested at 22-25 boph with 2300'-2600' of fluid in the hole. SDOWE.

9/09/05 Tp 100 psi, Cp 0 psi. RU tbg swab, fluid @ 2550' & 4265' FIH 1st hr fluid 3200', 3 RPH, 19.72 BO, 100% oil 2nd hr fluid 3500', 3 RPH, 37.12 BO, 100% oil 3rd hr fluid 3800', 3 RPH, 26.68 BO, 100% oil 4th hr fluid 4000', 2 RPH, 16.24 BO, 100% oil. 99.76 BO total. SD swab tank full, waiting f/acid trucks. RU Acid Services @ 2 7/8' tbg to acidize ball out w/500 gals 15% MCA w/15 B10 Ball Sealers, perfs 6818-20' & 6822-24', flushed w/39.5 bbls 2% KCL wtr, no ball action, 3 ½ BPM @ 0 psi. SD, ISIP vac. RD & RU tbg swab, swab load 52 bbls. 1st hr fluid 4300', 3 RPH, 25.52 BO, 100% oil 2nd hr fluid 4200', 3 RPH, 29.00 BO, 100% oil. SI well SDOWE.

9/12/05 Tp 75 psi, Cp 0 psi. RU tbg swab, fluid @ 4200' & 2615' FIH, released pkr & moved tools, RBP 6815', pkr 6800', perfs 6807-12'. RU tbg swab, 4 runs tbg dry, wait 30 mins, 100' FIH. SI well. SDON.

9/13/05 Tp 40 psi, Cp 0 psi. RU tbg swab, fluid @ 5700', 1100' FIH, 3 runs tbg dry, 4.28 BO. RU Acid Services @ 2 7/8' tbg, RBP 6815', pkr 6800', perfs 6807-12' acidized w/250 gals 15% MCA, flushed w/40 bbls 2% KCL wtr 4 BPM, 0# tbg, SD, ISIP vac. RU pbeg swab, swabbed load 47 bbls 1st hr fluid 4800', 3 RPH, 19 BP, 100% oil 2nd hr fluid 4800', 3 RPH, 18 BO, 100% oil RU Acid Services @ 2 7/8' tbg, re-treated w/500 gals 15% MCA & 25 Bio Ball sealers, flushed w/40 bbls 2% KCL wtr, no ball action & avg rate 6 BPM, 0 psi, SD, ISIP vac. RU tbg swab, swabbed load 52 bbls. 1st hr fluid 4500', 3 RPH, 27.84 BO, 100% oil 2nd hr fluid 4700', 3 RPH, 23.01 BO, 100% oil.

9/14/05 Tp 65 psi, Cp 0 psi, fluid 4500', 2300' FIH. 1st hr fluid 4650', 3 RPH, 20 BO, 100% oil. Released pkr & latched on RBP TOH w/2 7/8' tbg & tools. TIH w/2 7/8' x 15' PMA, 1.10' SN, 3 jts 2 7/8' tbg 93.02', 2 7/8' x 5 ¼' x 3.00' AC, 209 jts 2 7/8' tbg, 10'-8' x 2 7/8' subs, 212 jts tbg total w/subs = 6859'. Btm PMA 6878', SN 6862', AC 6768' set w/16,000# over. SI well. SDON.

9/15/05 Tp 5 psi. RJH w/new 6' GA & rebuilt 2 ½' x 1 ½' x 20' RWB pump, 22 x 7/8' rods, 43 x ¾' rods, 122 x ¾' EL rods, 85 x 7/8' rods, 6'+4' x 7/8' subs, 1 ¾' x 22' PR w/12' liner. Seat pump, load tbg w/15 BO, longstroked 300#, held. RDMO. Pump desc 6' plunger, DV, stellite cages, chrome bbl 147' MS

9/16/05 W & L Dirt built pad @ well to set p/u & built 20' x 110' pad for TB. Hotshot delivered 30' x 48' double pipe concrete base for p/u & delivered 320 Sentry p/u. RO unloaded & level double pipe concrete base & set up

9/20/05 RO trenched & laid 1360 ft.& 3" PVC for flowline from wellhead to TB pad. Placed Kansas One-Call 9-15-05.
9/21/05 Waiting on TB

9/22/05 MDC Mechanic installed C-101 Engine Serial #400074 w/ new 16" sheave & new C315 PB belts on new Sentry p/u model #C320-256-120 & Gear ratio 28.807, serial#2Y-07-70, 36" sheave @ gearbox. Stroke 120 – 102-84. RO unload weights on hotshot truck & set p.u on 100” stroke, set weights on p/u.

9/23/05 Waiting on TB

9/26/05 McDonald Tank set 10 x 12 = 200 bbl FGWT, 10 x 15 = 210 bbl FGGB & 3 – 10 x 12 = 200 bbl WSST, Dillco hauled 80 bbl salt water to FGGB.

9/27/05 FGWT Serial #M4922, FGGB Serial # M4981, WSST serial # MP8073, MP8074, MP8075, W&L Dirt built firewall @ TB, C&R Oilfield put up panels around TB & well. POP 12:00, 7.8 spm, 115 JTF, 3723 FTF, 3139 FAP, SN @ 6862", 212 jts in well.

9/28/05 180 BO, Installed 8’ x 3” load line @ stock tanks & 8’ x 3” PVC load line @ FGWT.

9/29/05 160 BO, 135 JTF, 4370 FTF, 2492 FAP, C&R Oilfield adjusted weights on p/u to balance Sentry 320. Champion Tech & Jacam tec on location for oil sample

9/30/05 150 BO, 153 JTF, 4953 FTF, 1909 FAP, Pump tagging. Raised pump 1 1/4”

10/1/05 165 BO

10/2/05 148 BO
# Invoice

**Bill to:**

**MURFIN DRILLING**  
Box 288  
Russell, KS 67605

**Invoice Date:** 7/25/05  
**Order:** 10221  
**Order Date:** 7/16/05

## Service Description

<table>
<thead>
<tr>
<th>Cement</th>
<th>Lease</th>
<th>Well</th>
<th>Well Type</th>
<th>AFE</th>
<th>Purchase Order</th>
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<td>New Well</td>
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**Sub Total:** $10,653.33  
**Discount:** $2,427.16  
**Discount Sub Total:** $8,226.17  
**Taxes:** $285.87  
**Total:** $8,512.04

**SUBMITTED ACCORDING TO INVOICE RECEIVED OCT 05 2005**

**APPROVED**

**USED FOR**

**PLEASE REMIT TO** Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.
<table>
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<th>Code</th>
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Discounted Total

PLUS TAX

$726.17
## Treatment Report

### Field Information
- **Operator:** MURFIN DRILLING
- **Lease:** MORTON TRUST
- **County:** CLARK
- **State:** KS
- **Date:** 7-16-05

### Pipe Data
<table>
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<th>Tubing Size</th>
<th>Shots/FT</th>
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### Perforating Data
- **Acid:** 200/80 A-CON
- **Pad:** 150/80 COMM

### Fluid Used
- **Rate:** Rate
- **Press:** Pressure
- **ISP:** ISIP
- **Max:** Max
- **Min:** Min
- **Avg:** Avg

### Treatment Resume
- **START IN HOLE UP CASING-1/6.**
- **Casing on Bottom/Hook up P.C.**
- **BREAK A/C**
- **Hook Lines to P.T.**
- **PUMP 200 SR A-CON @ 11.1°**
- **PUMP 150 SR COMMON @ 14.8°**
- **SHUT DOWN/DROP PLUG**
- **CUT TO PIT/20 BB's**
- **RELEASE FLOAT - HOLD JOB COMPLETE**

### Additional Notes
- **10:30:** On location/Rig Drilling
- **10:35:** PRE-DRILL SAFETY MEETING
- **10:40:** RIG UP P.T.
- **11:00:** Through Drilling/All D.P.
- **11:45:** D.P. OUT OF HOLE/RIG UP CASINGS
- **12:05:** START IN HOLE UP CASING-1/6.
- **13:00:** Casing on Bottom/Hook up P.C.
- **13:10:** BREAK A/C

### Service Units
- **114**
- **320**
- **335**
- **574**

### Service Log
- 10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

---

**Customer Representative:** SKIP SMITH

**Station Manager:** JERRY BOONE

**Treater:** SHAWN FREDERICK
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Quantity</th>
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<td>Car, pickup or Van, Mixture</td>
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**Discounted Total**

**11,935.97**
### PIPE DATA
- **Casing Size**: 5 1/2"  
- **Tubing Size**: 6 1/2"  
- **Depths**:  
  - Casing: 4,617 ft  
  - Tubing: 1,150 ft  
- **Max Press**:  
  - Casing: 15,000 psi  
  - Tubing: 4,500 psi  
- **Well Connect**: Annulus  
- **Plug Depth**: 6,447 ft  
- **Pecker Depth**: 5 1/2"

### PERFORATING DATA
- **Shots/Ft**: From To  
- **Pre Pad**:  
  - Casing: 0  
  - Tubing:  
- **Frac**:  
  - Casing: 0  
- **Pad**:  
  - Casing: 1  
  - Tubing: 4,500 psi  
- **Flair**: 0  
- **Frac**:  
  - Casing: 0  
  - Tubing: 0  
- **Total Load**: Gas Volume

### FLUID USED
- **Acid**:  
  - Casing: 250 gal, 48.2% HCl, 48.2% HCl  
- **ISIP**:  
  - Casing: 10%  
  - Tubing:  

### TREATMENT RESUME
- **RATE**:  
  - Casing:  
  - Tubing:  
- **PRESS**:  
  - Casing: 5 min  
  - Tubing: 10 min  
- **ISIP**:  
  - Casing: 15 min  
  - Tubing:  

### Service Units
- **Time**: 00:00  
- **Casing Pressure**: 250  
- **Tubing Pressure**: 200  
- **Bbls. Pumped**: 2  
- **Rate**: 45 bbl/hr  

### Service Log
- **0400**: Casing on bottom - Break Circulation  
- **0537**: Start pumping 20 bbl of 2% HCl Water  
- **0549**: Start pumping 12 bbl of Super Flush  
- **0601**: Start pumping 10 bbl of HCl Water  
- **0617**: Start mixing 250 gal of AA-2 @ 19.9°F  
- **0623**: Shut down - drop latch down plug  
- **0652**: Clean Lines  
- **0701**: Start displacing with 165 bbl  
- **0740**: Slow rate  
- **0756**: Bump plug  
- **0752**: Release pressure - floats held

### Job Complete