

**Oilfield Management, Inc.**  
**University 6-47B #1**  
**Sec. 47, Blk 6, Andrews County, TX**

*Spud*  
*4/10/07*

**4-10-2007:** Depth 355'. Current activity - running 13-3/8 csg. Bit #1: 17-1/2 M515. 15-1/2 hrs move-on & rig up, 5-3/4 hrs. drlg. 1-1/4 hr. cond mud, 1 hr. trip, 1/2 hr. RU csg crew.

**4-11-2007:** Depth 355'. Current activity – drilling plug. 1-1/2 hrs run csg. 2-1/4 hrs. cmt., 5 hrs. WOC, 2-3/4 hrs cut off & weld well head, 9-1/2 hrs. NU & test BOP, 1 hr. PU BHA, 1 hr. cond mud, 1 hr drill plug. Ran 8 jts. 48# 13-3/8 csg. Cmdt with 320 sx Cl. C, circ 50 sx.

**4-12-2007:** Depth 1708'. Current activity – drilling. Bit #2 11" HAT117GC. WOB: 40-60 RPM: 70-100. MW: 9.5, Vis: 29. 2 hrs drill plug, 16-1/2 hrs drlg., 1 hr. survey, 4-1/2 hrs. rig maint. Surveys: 955 – 1/2, 1463 – 3/4, 1900 – 3/4.

**4-13-2007:** Depth 3465'. Current activity – drilling. Bit #2 11" HAT117GC. WOB: 50 RPM: 65. MW: 10.0, Vis: 29. 23 hrs drlg. 1 hr. survey. Surveys: 2334 – 1, 2843 – 1/2, 3393 – 1.

**4-14-2007:** Depth 4115'. Current activity – drilling. Bit #3 11" CH25MS. WOB: 60 RPM: 60. MW: 10.0, Vis: 29. 18-1/4 hrs drlg., 5 hrs. trip, 1/4 hr. maint., 1/2 hr. survey. Surveys: 3794 – 1.

**4-15-2007:** Depth 4606'. Current activity – drilling. Bit #3 11" CH25MS. WOB: 55 RPM: 65. MW: 10.1, Vis: 29. 23-1/4 hrs drlg. 1/4 hr. maint., 1/2 hr. survey. Surveys: 4302 – 3/4.

**4-16-2007:** Depth 4800'. Current activity – TOH. Bit #3 11" CH25MS. WOB: 55 RPM: 60. MW: 10.2, Vis: 45, Water loss: 13. 16-3/4 hrs drlg., 5 hrs. trip, 1/4 hr. maint., 2 hrs. cond mud.

**4-17-2007:** Depth 4800'. Current activity – PU BHA. Bit #4 7-7/8" ENP0133. MW: 8.4, Vis: 28. 1 hr. trip, 2-1/2 hrs. wait on lay down machine, 4-1/2 hrs. run 8-5/8" csg., 3-1/4 hrs. cmt, 3-1/4 hrs. circ between stages, 2-1/2 hrs. cut off csg & weld on head, 6-1/2 hrs NU, 1/2 hr. test BOP. Ran 116 jts. 8-5/8" csg., cmdt 1<sup>st</sup> stage with 625 sx, cmdt 2<sup>nd</sup> stage with 470 sx, circ. 25 sx on 2<sup>nd</sup> stage.

**4-18-2007:** Depth 5173'. Current activity – Drlg. Bit #4 7-7/8" ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 17 hrs. Drlg., 3-1/2 hrs. TIH, 3-1/2 hrs. Drill plug & DV tool.

**4-19-2007:** Depth 5785'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 20 hrs. Drlg., 2 hrs. maint, 1-1/2 hrs. Work stuck pipe, 1/2 survey. Survey: 5285 - 3/4.

**4-20-2007:** Depth 6537'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 23 hrs. Drlg., 1/2 hr. maint, 1/2 hr survey. Survey: 6237 – 1/2.

**4-21-2007:** Depth 7099'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 23-1/4 hrs. Drlg., 1/4 hr. maint, 1/2 hr survey. Survey: 6317 – 1/2.

**4-22-2007:** Depth 7648'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 23-1/2 hrs. Drlg., 1/2 hr survey. Survey: 7188 – 1/2.

**4-23-2007:** Depth 8260'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4 Vis: 28. 22-3/4 hrs. Drlg., 1-1/4 hr survey. Survey: 7633 – 1, 8026 – 3/4.

**4-24-2007:** Depth 8760'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 22-3/4 hrs. Drlg., 3/4 hr. maint, 1/2 hr survey. Survey: 8555 – 3/4.

**4-25-2007:** Depth 9230'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 22-3/2 hrs. Drlg., 1 hr. maint, 1/2 hr survey. Survey: 9030 – 3/4.

**4-26-2007:** Depth 9690'. Current activity – Drlg. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.4, Vis: 28. 23 hrs. Drlg., 1/4 hr. maint, 3/4 hr survey. Survey: 9505 – 1/2.

**4-27-2007:** Depth 10,012'. Current activity – Cond mud. Bit #4 7-7/8” ENP0133. WOB: 50, RPM: 60. MW: 8.5, Vis: 40, WL: 15. 15 hrs. Drlg., 1/4 hr. maint, 3/4 hr survey, 8 hrs. Circ & Cond mud. Survey: 9950 – 1/2.

**4-28-2007:** Depth 10,012'. Current activity – TOH with test. MW: 8.5, Vis: 41, WL: 14. 12-1/4 hrs. trip, 8-1/4 hr. DST, 1 hr cond mud, 2-1/2 hrs. pick up test tools. DST #: 9885-10,012. R/300' O&GCM. 30 min. IFP: 56-68#, 2 hr. ISIP: 4420, 2 hr. FFP: 86-136#, 4 hr. FSIP: 4462.

**4-29-2007:** Depth 10,600'. Current activity – Drlg. Bit #5 7-7/8” Sec 1939. WOB: 35, RPM: 55-70 (motor). MW: 8.4, Vis: 28. 15-1/4 hrs. Drlg., 1/4 hr. wash to bottom, 2 hrs. load out test tools, 2 hrs. cut drlg. line, 3/4 hr survey, 3-3/4 hrs. trip. Survey: 10,389 – 1.

**4-30-2007:** Depth 11,131'. Current activity – Drlg. Bit #5 7-7/8” Sec 1939. WOB: 35, RPM: 55-70 (motor). MW: 8.4, Vis: 40, Water loss: 12. 23-1/4 hrs. Drlg., 1/4 hr survey, 1/2 hr. maint. Survey: 10,831 – 1-1/2.

**5-1-2007:** Depth 11,448'. Current activity – Drlg. Bit #5 7-7/8” Sec 1939. WOB: 30-35, RPM: 55-70 (motor). MW: 8.9, Vis: 40, Water loss: 9. 22-1/4 hrs. Drlg., 1-1/2 hr survey, 1/4 hr. maint. Survey: 11,307 – 1-1/4.

**5-2-2007:** Depth 11,691'. Current activity – TOH. Bit #5 7-7/8” Sec 1939. WOB: 30-35, RPM: 55-75 (motor). MW: 8.9, Vis: 42, Water loss: 8.5. 20-1/4 hrs. Drlg., 3-1/4 hr TOH, 1/2 hr. maint.

**5-3-2007:** Depth 11,813'. Current activity – Drlg. Bit #6 7-7/8” F47HY. WOB: 28-30, RPM: 55-75 (motor). MW: 8.8, Vis: 39, Water loss: 8.5. 14 hrs. Drlg., 9-3/4 hr Trip, 1/4 wash to bottom.

**5-4-2007:** Depth 11,912'. Current activity – Drlg. Bit #6 7-7/8” F47HY. WOB: 35, RPM: 52-75 (motor). MW: 8.8, Vis: 39, Water loss: 8.5. 14-1/2 hrs. Drlg., 9-1/4 hr Trip for motor, 1/4 wash to bottom.

**5-5-2007:** Depth 12,027. Current activity – Drlg. Bit #7 7-7/8” MK557. WOB: 20-25, RPM: 60. MW: 9.0, Vis: 39, Water loss: 9. 14-1/2 hrs. Drlg., 9 hr Trip, 1/4 wash to bottom, 1/4 hr. rig maint.

**5-6-2007:** Depth 12,114. Current activity – Drlg. Bit #8 (re-run) 7-7/8” F47HY. WOB: 35, RPM: 50-75 (motor). MW: 9.0, Vis: 40, Water loss: 8. 15-1/4 hrs. Drlg., 8-1/4 hr Trip, 1/2 hr. rig maint.

**5-7-2007:** Depth 12,337. Current activity – Drlg. Bit #8 (re-run) 7-7/8” F47HY. WOB: 35, RPM: 55 (motor). MW: 9.0, Vis: 43, Water loss: 8.5. 22-3/4 hrs. Drlg., 1 hr survey, 1/4 hr. rig maint. Survey: 12,114 – 1/2.

**5-8-2007:** Depth 12,369. Current activity – Restranging blocks. Bit #8 (re-run) 7-7/8” F47HY. WOB: 35, RPM: 55-75 (motor). MW: 9.0, Vis: 42, Water loss: 9. 6-3/4 hrs. Drlg., 6-1/4 hr. trip, 1/4 hr. rig maint., 10-3/4 hrs. restranging draw works.

**5-9-2007:** Depth 12,445. Current activity – Drlg. Bit #9 (re-run) 7-7/8” MK557. WOB: 25, RPM: 60. MW: 8.9, Vis: 46, Water loss: 7. 9-1/2 hrs. Drlg., 2-3/4 hr. trip, 2-1/2 hrs. rig maint., 8-1/2 hrs work on swivel, 3/4 hrs. wash to bottom.

**5-10-2007:** Depth 12,553. Current activity – Drlg. Bit #10 7-7/8” F37HY. WOB: 48, RPM: 60. MW: 8.9, Vis: 44, Water loss: 8.5. 15-1/4 hrs. Drlg., 8-1/2 hrs. trip, 1/4 hrs. wash to bottom.

**5-11-2007:** Depth 12,557. Current activity – TOH with DST. Bit #10 7-7/8” F37HY. MW: 8.9, Vis: 44, Water loss: 8. 3/4 hrs. Drlg., 14-1/2 hrs. trip, 3-1/4 hrs. Cond. mud. 5-12 hrs. DST. DST #2: 12,472-12,557 - mis-run, pkrs. leaked.

**5-12-2007:** Depth 12,600. Current activity – TOH for logs. Bit #10 7-7/8” F37HY. WOB: 45, RPM: 60. MW: 8.9, Vis: 44, Water loss: 8. 2-3/4 hrs. Drlg., 10 hrs. trip, 1/4 hrs. wash to bottom, 7 hrs cond mud, 2-1/2 hrs. LD test tools, 1-1/2 hrs. cut drlg line.

**5-13-2007:** Depth 12,650. Current activity – Drlg. Bit #10 7-7/8” F37HY. WOB: 50, RPM: 60. MW: 8.9, Vis: 41, Water loss: 9. 5-1/2 hrs. Drlg., 6-1/2 hrs. trip, 1 hr. cond mud, 11 hrs. Logging.

**5-14-2007:** Depth 12,700. Current activity – laying down drill pipe. MW: 8.9, Vis: 44, Water loss: 9. 2 hrs. Drlg., 8 hrs. trip, 8 hrs. cond mud, 5 hrs. Logging, 1/4 hr. wash to bottom, 3/4 hr. LD drill pipe.

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**5-24-2007:** RU Basic Energy well service unit. NU BOP. RIH with 4-5/8" drill bit, 6 drill collars and tubing. Tag up @ 6995. SDFN.

**5-25-2007:** RU reverse unit and pick up power swivel. Drilled out 6' of cmt. and DV tool. Circ hole clean. Lay down power swivel. RI hole to 9500'. SDFN.

**5-26-2007:** SDF weekend.

**5-27-2007:** SDF weekend.

**5-28-2007:** SDF Memorial Day.

**5-29-2007:** RIH and tagged up at 10,484. Picked up power swivel. Drilled out 10' of cmt & DV tool. Circ hole clean. Lay down power swivel. RIH and tag float collar at 12,663. Displace hole with 300 Bbls KCl wtr. POH with 36 stands tbg. SDFN.

**5-30-2007:** Finished POH with tbg., collars & bit. RU Apollo Wireline. Ran CBL-GR-Collar log from TD back to 3550'. RIH with 4" csg gun, made 2 runs. 1st run perf 12,614 - 12,620 with 1 SPF. 2nd run perf 12,572 - 12,585 with 1 SPF. RD Apollo Wireline. RIH with pkr and 36 stands of tbg. SDFN.

**5-31-2007:** RIH and tagged TD. PUH 49' to 12,620. RU Petroplex Acidizing. Spot 500 gal 15% NeFeHCl acid at 12,620. POH with 20 jts tbg to 11,995. ND BOP. Set pkr and flange up wellhead. Pumped acid away, started pumping 1 Bbl/min @ 1150# incr. slowly to 1850# at end. Overflushed 1/2 Bbl. ISIP: 1725, 5 min SIP: 1440#, 10 min SIP: 1343#, 15 min SIP: 1299#. Opened well up and flowed back to tank. Flowed back 7 bbls load in 2 hrs. Closed well in, SDFN.

**6-1-2007:** Opened well up and started swabbing. Swabbed well 8 hrs swabbing well down and r/44 bbls load - cutting 25% oil at end. Closed well in. SDFN.

**6-2-2007:** SD for weekend.

**6-3-2007:** SD for weekend.

**6-4-2007:** 100# on tbg., Opened well up and started swabbing. 1st run fluid at 6000', swabbed well 3 hrs. R/16 Bbls load cutting 30% oil at end. Unflanged wellhead, pulled open equalizing valve on pkr an equalized over. Unseated pkr. RIH to 12,601 and set pkr. Re-flanged wellhead. RU swab-t. Started swabbing. Sand line parted. Unseated pkr. NU BOP. SDFN.

**6-5-2007:** Started out of hole with tbg. POH to fluid. Re-spoiled sand line. RU swab-t and swabbed down tbg. POH with remainder of tbg & pkr stripping out sand line. SDFN.

**6-6-2007:** Basic spooled on new sand line. RIH with pkr and tbg to 12,601 and set pkr. RU swab-t and started swabbing. Swabbed well down to 11,000 ft. R/20 bbls. Closed well in. SDFN.

**6-7-2007:** Opened well up. Made 1 swab run - fluid level @ 6500'. RU Petroplex Acidizing. Loaded backside and left open. Pumped 2,000 gal 15% NeFeHCl down tubing, pumped 1 Bbl/min at 900#, acid on fm, press up to 1,000# then went on vacuum with 5 Bbls acid into fm. Took acid @ 1.8 Bbl/min on vacuum. RD Petroplex Acidizing, RU swab-t and started swabbing. Swabbed well 8-1/2 hrs r/85 bbls load cutting 5% oil at end. Ending fluid level 5500'. Closed well in. SDFN.

**6-8-2007:** Opened well up and started swabbing. Starting fluid level 5,000'. Swabbed well 4-1/2 hrs swabbing well down to 9000' and rec. 45 barrels cutting 2% oil. Have recovered 25 barrels over load. Closed well in. Rigged down Basic Energy well service unit. Will move back on to complete Wolfcamp when tank battery is finished.

**6-18-2007:** RU Basic Well Service Unit. Opened equalizing valve on pkr and equalized over. Unseated pkr. POH with pkr and tbg. SDFN.

**6-19-2007:** RIH with cmt retainer on tbg. Tag TD and PUH to 12,600. Pump 50 bbls through retainer. Set retainer T 12,600. Loaded backside - communicating up tbg. Squeezed through retainer with 50 sx Cl H cmt. (12 bbls). Well communicated to backside through perfs during entire squeeze. POH and laid down 4 jts tbg. Reversed out and displaced hole with 2% KCl wtr. RO 5 bbls cmt. POH and laid down 80 jts tbg. SDFN.

**6-20-2007:** Finished POH with tbg. RU Apollo Wireline. RIH with RBP on wireline. Set RBP at 10,100. RIH with 4" csg gun. Perf 9969 - 9973 and 9985 - 9994 with 1 SPF. RD Apollo Wireline. RIH with pkr and tbg to 9900'. Set pkr at 9900'. SDFN.

**6-21-2007:** Opened well up, made 5 swab runs while waiting on acid. Swabbed well down to 5000'. RU Petroplex Acidizing. Loaded backside and pressured up to 500# on backside. Acidized well with 12,000 gal 15% NeFeHCl pumping 500 gal then dropping 1 ball sealer every 1/2 Bbl for a total of 30 balls. Took 23 Bbls to load then pumped 2.5 Bbls/min @ 4250# steady until had 3 Bbls into fm then broke back to 3300#. Increased rate to 3.5Bbls/min @ 3350# steady. Started getting good ball action with 12 balls on fm, press incr to 4200# then broke back to 3400#. Balled out with 20 balls on fm. Surged balls off, pumped 3 Bbls/min @ 3300# steady until had 5000 gal into fm. Then incr rate to 3-1/4 Bbl/min @ 3500# steady until on flush, then incr slowly to 3800# at end. ISIP: 2632#, 5 min SIP: 2538#, 10 min SIP: 2511#, 15 min SIP: 2488#. Opened well to frac tank. Flowed back 75 Bbls 1st 1-1/2 hr. Put on 32/64" choke. Flowed back 33 bbls next 3 hrs. Left open to tank.

**6-22-2007:** Well flowed back 34 bbls overnight, still flowing small amount. RU swab-t and started swabbing. Swabbed well 4 hrs swabbing well down and recovering 55 bbls cutting 20% oil at end. Made 2 more runs at 1 hr intervals recovering a small amount on each run. SDFN leaving well open to tank.

**6-23-2007:** SD for weekend.

**6-24-2007:** SD for weekend.

**6-25-2007:** Started swabbing - 1st run fluid @ 900', r/100% oil. Swabbed well 2 hrs swabbing well down and recovering 40 bbls cutting 70% oil at end. SD 2 hrs and made 1 run. Fluid came up 500'. SD for day leaving well open to tank.

**6-26-2007:** Started swabbing. 1st run - fluid @ 6800'. Swabbed well 2 hrs swabbing well down and r/10 bbls cutting 70% oil at end. Pulled open equalizing valve and equalized over. Unseated pkr. RIH to 10' above RBP. RU pump truck and started reverse circ hole to circ balls off RBP. Accidentally latched on to and unseated RBP before tbg was displaced. Circ conventional and displaced backside. Did not see any balls. SDFN.

**6-27-2007:** POH with tbg, pkr and RBP. RIH with 4-5/8" drill bit, 6 drill collars and tbg. Tagged at 12,521. RU power swivel and started drilling out. Drilled out to cmt retainer at 12,600'. Circ hole clean. SDFN.

**6-28-2007:** POH with tbg, collars and bit. RU Apollo Wireline. RIH with 4" csg gun and perf 12,571 - 12,585 with 1 SPF. RIH with pkr and tbg to 12,454. ND BOP. Set pkr and flange up wellhead. SDFN.

**6-29-2007:** RU swab-t and started swabbing. Swabbed well down to 7000' r/24 bbls load. RD swab-t and RU Petroplex acidizing. Acidized well with 1,000 gals 15% NeFeHCl. Loaded with 27.5 bbls, pumped 1 bbl/min at 1600# incr slowly throughout to 2375# @ end. ISIP: 2205, 5 min SIP: 1973#, 10 min SIP: 1860#, 15 min SIP: 1781#. Opened well to tank - flowed back 15 bbls in 1-1/2 hr. RU swab-t and started swabbing. Swabbed well 4 hrs swabbing well down to 11,000' and rec 42 bbls cutting 20% oil at end. Closed well in. SDFN.

**6-30-2007:** Opened well up and started swabbing. 1st run fluid at 6000'. Swabbed well 3 hrs swabbing well down to 11,500' and rec 23 bbls cutting 40% oil at end. SDFD.

**7-1-2007:** SDF Sunday

**7-2-2007:** Opened well up and started swabbing. 1st run - fluid at 6500' - rec 100% oil. Made 4 more runs swabbing well down to 11,000' rec 14 bbls cutting 30% oil at end. RU Petroplex Acidizing. Acidized well with 2500 gal 15% NeFeHCl retarded for 90 min reaction time. Took 47.6 bbls to load then pumped 1 bbl/min at 800# incr slowly to 2200# then steady at 2200#. ISIP: 1924, 5 min SIP: 1675, 10 min SIP: 1564, 15 min SIP:

1487. Left well shut-in 90 min. Opened up to tank and started flowing well back. Flowed back 60 bbls in 6 hrs. Left well open to tank on 24/64" choke.

7-3-2007: Well dead, had flowed back 10 bbls overnight. RU swab-t and started swabbing. Swabbed well 8 hrs swabbing well dry and rec. 60 bbls load – cutting 30% oil at end. SDFN.

7-4-2007: SD for 4<sup>th</sup> of July.

7-5-2007: Opened well up and started swabbing. Starting fluid level 3500'. Swabbed well 4 hrs swabbing well down to 11,000' and rec. 40 bbls load – cutting 50% oil at end. Rigged down swab-T. Rigged down and released Basic Well Service Unit. Waiting on Pumping Unit and electric to run rods and pump.

7-6-2007: Set pumping unit. Still waiting on electric hook-up.

7-18-2007: RU Basic Well Service Unit. NU BOP. Unseated pkr. POH with 1 stand tbg. Well started flowing. SD for day. Left well open to tanks.

7-19-2007: Work on rig in morning. Afternoon started out of hole. POH with tbg. and pkr. SDFN.

7-20-2007: RIH with production tbg. Set TAC with 16 pts. ND BOP and flanged up wellhead. SDFN.

7-21-2007: SD for weekend.

7-22-2007: SD for weekend.

7-23-2007: Ran pump and rods. Did not hang on because electric was still not hooked up to pumping unit.

7-24-2007: Spaced well out and hung well on. Started unit and put on production.