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# Well Report

## METZGER 16P-34

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**API Number:**

**Project Area:**

SYCAMORE  
KS Wilson  
30S - 14E - 34  
170FSL - 876FEL

**AFE Number:** G01027401800

**AFE Amount:** \$0.00

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Activity Date	Activity Description
1/28/2011	MIRU THORNTON DRILLED 11' HOLE 44.' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
1/31/2011	<p>TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 1287' TD, CATCHING SAMPLES AT ZONES OF INTEREST. RD DRILL RIG, RU OSAGE WIRELINE PULL LOGS FROM LOGGER DEPTH TO SURFACE.</p> <p>MI PU, RIH w/ 33 JOINTS 4-1/2" CASING, RIG UP CONSOLIDATED, BREAK CIRCULATION WITH 25 BBLs FRESH WTR PUMP 10 SKS GEL FLUSH W/HULLS, 10 BBLs WATER SPACER, 20 BBLs CAUSTIC PRE-FLUSH, 10 BBLs DYE WTR. MIXED 135 SKS THKSET CMT W/8#KOL-SEAL,1/8# PHENOSEAL PER SK.,1/4% CFL-115, 1/4% @ 13.4#/GAL YIELD 1.75. WASHED OUT PUMP AND LINES SHUTDOWN, RELEASE PLUG, DISPLACE W/20 BBLs FRESH WTR. FINAL PUMPING PRESSURE 700 PSI, BUMP PLUG TO 1200 PSI. WAIT 2 MINUTES, RELEASE PRESSURE, FLOAT HELD GOOD CEMENT RETURNS TO SURFACE, 42 BBLs SLURRY, 8 BBLs TO PIT. RD MOL.</p> <p>CSG STRING:17.71' SUB, 9.04' SUB 33 JOINTS 4-1/2" FROM WESTERN DRILL LANDED CSG @ 1277' PBTD - 1277' TD 1287'</p>
2/14/2011	<p>MIRU Osage Wireline &amp; Consolidated Oil Well Services. Osage RIH and ran CBL-CCL/VDL from 1264' to 0'. Bond looks good all depths. Osage RIH and perforated Cattleman from 1174' to 1194' with 2 spf, 180 degree, 25 gm. TOTAL 41 holes Consolidated spotted 100 gallons 15% HCL across Cattleman perfs. Spearheaded 350 gals additional (450 total) and dropped 60 ball sealers and balled off perfs. Flowed back to clear perfs. Osage RIH with junkbasket/gauge ring and knocked off ball sealers. Consolidated fracked the Cattleman with 100 bbls PAD of 25 ppt gelled water with 2% KCL and boicide followed with 6,700 lbs 16/30 and 17,300 lbs 12/20 sand @ 0.25 to 3.0 ppg concentrations. Dropped 15 balls during frac. Flushed sand with 19 bbls gelled water. Breakdown 1,525 psig, ISIP 620 psig, 5 min 561 psig, 10 min 540 psig, 15 min 525 psig. ATP 835 psig, MTP 896 psig, ATR 28 BPM, MTR 28.3 BPM.</p> <p>TOTALS 450 gallons 15% HCL, 24,000 lbs 16/30 &amp; 12/20 sand, 420 bbls gelled water.</p> <p>Shut well in overnight to allow gel to break. Rig down Osage and Consolidated.</p>

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**2/15/2011**

MI RU RAN IN HOLE WITH 2-3/8 TUBING WITH 37JTS SET SN 1207' MA 1222'. RAN 1-1/2X6' PUMP WITH 47 RODS HUNG OFF ON WELL HEAD WELL READY FOR PRODUCTION.

**TUBING STRING**

37 JTS 2-3/8

SN @ 1207

15' OEMA 1222

**ROD STRING**

47 - 3/4 RODS

1-8',1-6',1-4' ROD SUBS

1-1/2 X 6' CUP PUMP WITH 4' GTA