



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/3/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		MIKE CARTER		LAST CSG :		9.625		SHOE MD/TVD:		790 / 790	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 09/21/2012 MD :0 TVD :0 PROGRESS : 790 DAYS : MW :8.4 VISC : 30
 DAILY: DC: \$132,275 CC :\$0 TC : \$132,275 CUM : DC : \$132,275 CC : \$0 TC : \$132,275
 FORMATION: PBDT : PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILL SURFACE

DAILY DETAILS : DRILL FROM SURFACE TO 790 FT., POOH ,- TEXAS PATERN SHOE, 1 JOINT 9 5/8" 40 PPF, J-55, LT&C CASING, COLLAR, 19 JOINTS 9 5/8" 40 PPF, J-55, LT&C CASING. TOTAL CASING RAN = 794 WASHED DOWN F/ 760 TO 790 SET @ 790 CENTRALIXER MIDDLE OF FIRST JOINT EVERY OTHER JOINT TOTAL 8 CENTRALIXERS. RR JOB # 10495 INSTALL BASIC CEMENT HEAD, TEST LINES TO 1500 PSI, PUMP 20 BBL FRESH WATER SPACER, MIX & PUMP 500 SX LEAD, M/P CLASS C 2 % CALC2 CEMENT @ 14.8 PPG, 1.33 YIELD, MIXED WITH 6.34 GAL FRESH WATER . DISPLACED WITH 60 BBL FRESH WATER @ 6 BPM, PUMPED @ 200 PSI. BUMPED PLUG @ 22:32 HRS . PRESSURED UP TO 800 PSI. BLED OFF PRESSURE, FLOAT EQUIPMENT HELD. R.R. COM JOB # 10495, FULL RETURNS, RETURN 122 SACKS OF CEMENT TO SURFACE. WAIT FOUR HOURS CUT OFF CASING AND RIG DOW RIG AND MAKE READY TO MOVE

REPORT DATE: 09/28/2012 MD :0 TVD :0 PROGRESS : 0 DAYS : MW : VISC :
 DAILY: DC: \$21,941 CC :\$0 TC : \$21,941 CUM : DC : \$154,216 CC : \$0 TC : \$154,216
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: WAIT ON DAY LIGHT

DAILY DETAILS : WAIT ON DAY LIGHT, HOLD PRE TOUR SAFETY MEETING RIGGING DOWN, LAY OUT TOP DRIVE & LAY DOWN DERRICK & UNSTRING. RIG READY FOR TRUCKS WAIT ON DAY LIGHT

REPORT DATE: 09/29/2012 MD :817 TVD :817 PROGRESS : 0 DAYS : MW : VISC :
 DAILY: DC: \$48,870 CC :\$0 TC : \$48,870 CUM : DC : \$203,086 CC : \$0 TC : \$203,086
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: WAIT ON DAY LIGHT

DAILY DETAILS : WAIT ON DAY LIGHT, HOLD PRE TOUR SAFETY MEETING MOVE RIG & SET IN ON LOCATION, TRUCKS RELEASED @ 17:00 HRS. CRANES RELEASED @ 19:00 STRING UP BLOCKS WAIT ON DAY LIGHT

REPORT DATE: 09/30/2012 MD :817 TVD :817 PROGRESS : 0 DAYS : MW : VISC :
 DAILY: DC: \$26,889 CC :\$0 TC : \$26,889 CUM : DC : \$229,975 CC : \$0 TC : \$229,975
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: NIPPLE UP BOP (HOOK UP CONTROL LINES)

DAILY DETAILS : WAIT ON DAY LIGHT CONTINUE RIGGING UP, DERRICK RAISED @ 12:30 PM CONTINUE RIGGING UP RIG FLOOR, PICK UP TDS TRACK & TOP DRIVE, TEST RUN SAME. INSTALL SAVER SUB WITH CORROSION RING. INSTALL BALES & ELEVATORS CONTINUE RIGGING UP WHILE WELDER INSTALL & WELD 9 5/8" X 11' 5M CASING HEAD & TEST TO 600 PSI RIG UP MONAHANS NIPPLE UP BOP WINCHES NIPPLE UP BOP



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FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		BO HARDEN		LAST CSG :		9.625		SHOE MD/TVD:		790 / 790	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882		KB ELEV :		0		GL ELEV:		0	
SPUD DATE :		9/30/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 10/01/2012 MD :4157 TVD :4156 PROGRESS : 3340 DAYS : MW :9.9 VISC : 29
 DAILY: DC: \$71,055 CC :\$0 TC : \$71,055 CUM : DC : \$301,030 CC : \$0 TC : \$301,030
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING 8 3/4" VERTICAL HOLE

DAILY DETAILS : FUNCTION TEST BOP, INSTALL TEST PLUG & TEST BOP. RAMS, ANNULAR & CHOKE MANIFOLD TO 250 PSI LOW / 2500 PSI HIGH. PERFORM ACCUUMULATOR TEST. TEST CASING TO 1000 PSI INSTALL WEAR BUSHING PICK UP NOV 6 3/4" 7:8, 5.0, @ 1.5 DEG MOTOR. PICK UP 1000 GAL / MIN MWD, SCRIBE & TEST SAME (NOTE) ALL MWD & X-O NEW EQUIPMENT, MAKE & BREAK THREADS FOR PROPER BREAK IN. TEST MWD & MAKE UP BIT (8 3/4" SECURITY FX66D) PICK UP 5" HWDP FROM CAT WALK TRIP IN HOLE TO 679', TAG CEMENT DRILL CEMENT & FLOAT EQUIPMENT ROT, WOB 10-20, GPM 340, RPM 40, DIFF 410 SURVEY @ 899', INC 0.18, AZ 138.13, TVD 898.93 ROT, WOB 25, GPM 650, RPM 40, DIFF 600 SURVEY @ 1083', INC 0.42, AZ 178.74, TVD 1082.92 ROT, WOB 30, GPM 650, RPM 90, DIFF 610 SURVEY @ 1269', INC 0.35, AZ 90.32, TVD 1268.92 ROT, WOB 30, GPM 650, RPM 90, DIFF 630 SURVEY @ 1458', INC 0.09, AZ 231.47, TVD 1457.92 ROT, WOB 30, GPM 650, RPM 90, DIFF 665 SURVEY @ 1647', INC 0.88, AZ 169.51, TVD 1646.91 ROT, WOB 35, GPM 650, RPM 90, DIFF 690 SURVEY @ 1837', INC 0.97, AZ 144.81, TVD 1836.89 ROT, WOB 35, GPM 650, RPM 90, DIFF 690 SURVEY @ 2027', INC 0.79, AZ 120.47, TVD 2026.87 ROT, WOB 35, GPM 650, RPM 90, DIFF 650 SURVEY @ 2215', INC 1.41, AZ 127.41, TVD 2214.83 ROT, WOB 35, GPM 650, RPM 90, DIFF 875 SURVEY @ 2405', INC 1.41, AZ 121.87, TVD 2404.77 ROT, WOB 35, GPM 650, RPM 90, DIFF 600 SURVEY @ 2594', INC 1.32, AZ 126.00, TVD 2593.72 ROT, WOB 35, GPM 650, RPM 90, DIFF 645 SURVEY @ 2782', INC 0.97, AZ 168.45, TVD 2781.69 ROT, WOB 35, GPM 650, RPM 90, DIFF 610 SURVEY @ 2971', INC 1.06, AZ 131.80, TVD 2970.66 ROT, WOB 35, GPM 650, RPM 90, DIFF 685 SURVEY @ 3160', INC 0.62, AZ 89.35, TVD 3159.64 ROT, WOB 35, GPM 650, RPM 90, DIFF 725 SURVEY @ 3349', INC 0.88, AZ 81.35, TVD 3348.62 ROT, WOB 35, GPM 650, RPM 90, DIFF 710 SURVEY @ 3538', INC 1.06, AZ 83.99, TVD 3537.60 ROT, WOB 35, GPM 650, RPM 90, DIFF 725 SURVEY @ 3727', INC 0.97, AZ 100.87, TVD 3726.57 ROT, WOB 35, GPM 650, RPM 90, DIFF 756 SURVEY @ 3916', INC 0.70, AZ 115.37, TVD 3915.55 ROT, WOB 35, GPM 650, RPM 90, DIFF 765

REPORT DATE: 10/02/2012 MD :6529 TVD :6521 PROGRESS : 2375 DAYS : 2 MW :.8 VISC : 30
 DAILY: DC: \$305,156 CC :\$0 TC : \$305,156 CUM : DC : \$606,185 CC : \$0 TC : \$606,185
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING CURVE

DAILY DETAILS : SURVEY @ 4105', INC 0.88, AZ 130.05, TVD 4104.53 ROT, WOB 35, GPM 650, RPM 90, DIFF 705 SURVEY @ 4294', INC 0.70, AZ 217.67, TVD 43923.52 ROT, WOB 35, GPM 650, RPM 65, DIFF 600 SURVEY @ 4483', INC 0.88, AZ 226.99, TVD 4482.50 ROT, WOB 35, GPM 650, RPM 65, DIFF 690 SURVEY @ 4673', INC 0.88, AZ 191.39, TVD 4672.38 ROT, WOB 35, GPM 650, RPM 65, DIFF 590 SURVEY @ 4863', INC 0.79, AZ 184.36, TVD 4862.46 ROT, WOB 35, GPM 650, RPM 65, DIFF 750 SURVEY @ 5052', INC 0.62, AZ 166.78, TVD 5051.44 ROT, WOB 35, GPM 650, RPM 65, DIFF 550 SURVEY @ 5241', INC 0.62, AZ 185.42, TVD 5240.43 ROT, WOB 35, GPM 650, RPM 65, DIFF 510 SURVEY @ 5430', INC 0.70, AZ 164.24, TVD 5429.42 ROT, WOB 35, RPM 90, DIFF 480 SURVEY @ 5619', INC 0.26, AZ 162.39, TVD 5618.41 ROT, WOB 35, GPM 650, RPM 75, DIFF 570 SURVEY @ 5808', INC 0.44, AZ 184.54, TVD 5807.41 ROT, WOB 35, GPM 650, RPM 75, DIFF 600 SURVEY @ 5998', INC 0.18, AZ 149.65, TVD 5997.41 ROT, WOB 35, GPM 650, RPM 75, DIFF 550 SURVEY @ 6187', INC 0.26, AZ 168.98, TVD 6186.41 ROT, WOB 35, GPM 650, RPM 75, DIFF 560 SURVEY @ 6300', INC 0.64, AZ 125.76, TVD 6299.40 PUMP 2x 50 BBL SWEEP & CIRCULATE HOLE CLEAN TRIP OUT OF HOLE TO BHA, NO EXCESS DRAG LAY DOWN SHOCK & ROLLER REAMER, BREAK BIT & FLUSH MUD MOTOR WITH FRESH WATER. CHANGE OUT MWD PULSER PICK UP SDI 7:8, 3.0, 2.0 FBH, .28 RPG MOTOR, SCRIBE & TEST MWD MAKE UP BIT (HUGHES) GX 20M RIG SERVICE TRIP IN HOLE TO 6245', FILL PIPE & TEST MWD @ 2760' WASH TO BOTTOM, MWD RE-LOGGING F 6245' TO 6352' SLIDE, WOB 30, GPM 650, TFO 357 MAG, DIFF 85 SURVEY @ 6358', INC 0.97, AZ 356.89, TVD 6388.35 SLIDE, WOB 35, GPM 600, TFO 357 MAG, DIFF 180 SURVEY @ 6389', INC 0.97, AZ 356.89, TVD 6357.40 SLIDE, WOB 35, GPM 600, TFO 15 R, DIFF 280 SURVEY @ 6421', INC 9.85, AZ 351.79, TVD 6420.88 SLIDE, WOB 35, GPM 600, TFO 15 R, DIFF 240 SURVEY @ 6452', INC 15.30, AZ 356.63, TVD 6450.32 SLIDE, WOB 35, GPM 600, TFO 0 - DEG, DIFF 200



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FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
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REPORTED BY:		BO HARDEN		LAST CSG :		9.625		SHOE MD/TVD:		790 / 790	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 10/03/2012 MD :7221 TVD :6861 PROGRESS : 692 DAYS : 3 MW :9.8 VISC : 30
 DAILY: DC: \$80,182 CC :\$0 TC : \$80,182 CUM : DC : \$686,367 CC : \$0 TC : \$686,367
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: TRIP OUT TO PICK UP LATERAL ASSEMBLY

DAILY DETAILS : SURVEY @ 6484', INC 20.84, AZ 7.97, TVD 6480.73 SLIDE, WOB 35, GPM 600, TFO - 0 DEG, DIFF 210 SURVEY @ 6515', INC 26.47, AZ 8.94, TVD 6509.12 SLIDE, WOB 35, GPM 600, TFO 15 L, DIFF 190 TOP DRIVE ROTARY WOULD NOT WORK, TROUBLE SHOOT SAME ROT, WOB 25, GPM 600, RPM 30 DIFF 130 SURVEY @ 6546', INC 31.92, AZ 8.23, TVD 6536.17 SLIDE, WOB 35, GPM 600, TFO - 0 DEG, DIFF 150 ROT, WOB 25, GPM 600, RPM 30, DIFF 145 SURVEY @ 6578', INC 37.20, AZ 6.56, TVD 6562.51 SLIDE, WOB 35, GPM 600, TFO - 0 DEG, DIFF 155 ROT, WOB 20, GPM 600, RPM 30, DIFF 90 SURVEY @ 6609', INC 41.24, AZ 6.48, TVD 6586.53 SLIDE, WOB 35, GPM 600, TFO - 0 DEG, DIFF 115 ROT, WOB 20, GPM 600, RPM 30, DIFF 105 SURVEY @ 6640', INC 43.88, AZ 6.56, TVD 6609.36 SLIDE, WOB 35, GPM 600, TFO - 0 DEG, DIFF 110 ROT, WOB 20, GPM 600, RPM 30, DIFF 120 SURVEY @ 6672', INC 45.74, AZ 6.64, TVD 6632.06 ELECTRICIAN TROUBLE SHOOT & REPAIR TOP DRIVE CONSOLE SWITCHES SLIDE, WOB 35, GPM 600, TFO - 20 L, DIFF 110 ROT, WOB 35, GPM 650, RPM 45, DIFF 90 SURVEY @ 6703', INC 47.31, AZ 7.53, TVD 6653.39 SLIDE, WOB 40, GPM 600, TFO 20 L, DIFF 80 ROT, WOB 40, GPM 650, RPM 45, DIFF 95 SURVEY @ 6735', INC 48.78, AZ 6.63, TVD 6674.78 SLIDE, WOB 50, GPM 600, TFO 20 L, DIFF 110 ROT, WOB 30, GPM 650, RPM 30, DIFF 110 SURVEY @ 6766', INC 50.41, AZ 5.02, TVD 6694.88 SLIDE, WOB 50, GPM 600, TFO 20 L, DIFF 180 ROT, WOB 40, GPM 650, RPM 45, DIFF 230 SURVEY @ 6798', INC 52.84, AZ 3.81, TVD 6714.75 SLIDE, WOB 50, GPM 600, TFO 20 L, DIFF 150 ROT, WOB 35, GPM 650, RPM 45, DIFF 210 SURVEY @ 6829', INC 55.05, AZ 2.7, TVD 6732.99 SLIDE, WOB 50, GPM 600, TFO 20 L, DIFF 90 ROT, WOB 36, GPM 600, RPM 45, DIFF 115 SLIDE, WOB 45, GPM 650, TFO 20 L, DIFF 80 ROT, WOB 36, GPM 600, RPM 45, DIFF 140 SURVEY @ 6892', INC 58.30, AZ 358.74, TVD 6767.47 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 165 ROT, WOB 36, GPM 600, RPM 45, DIFF 160 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 75 ROT, WOB 36, GPM 600, RPM 45, DIFF 105 SURVEY @ 67.53, AZ 352.68, TVD 6824.67 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 85 ROT, WOB 36, GPM 600, RPM 45, DIFF 145 SURVEY @ 6987', INC 64.89, AZ 352.85, TVD 6812.17 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 90 ROT, WOB 36, GPM 600, RPM 45, DIFF 115 SURVEY @ 7018', INC 67.53, AZ 352.68, TVD 6824.67 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 190 ROT, WOB 35, GPM 600, RPM 45, DIFF 130 SURVEY @ 7050', INC 71.05, AZ 353.12, TVD 6835.98 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 105 ROT, WOB 35, GPM 600, RPM 45, DIFF 175 SURVEY @ 7081', INC 74.39, AZ 353.38, TVD 6845.19 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 100 ROT, WOB 35, GPM 600, RPM 45, DIFF 105 SURVEY @ 7113', INC 78.26, INC 353.38, TVD 6852.75 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 130 ROT, WOB 35, GPM 600, RPM 45, DIFF 105 SURVEY @ 7144', INC 82.57, AZ 353.64, TVD 6857.91 SLIDE, WOB 50, GPM 600, TFO - 0 DEG, DIFF 70 ROT, WOB 35, GPM 600, RPM 45, DIFF 110 SURVEY @ 7176', INC 87.32, AZ 354.08, TVD 6860.73 PUMP 2 X 20 BBL 10.0 BRINE LO VIS & 50 BBL HIGH VIS SWEEPS, CIRCULATE HOLE CLEAN TRIP OUT OF HOLE , MAX DRAG IN CURVE 30 K



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OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
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SPUD DATE :		9/30/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 10/04/2012 MD :10411 TVD :6882 PROGRESS : 3018 DAYS :4 MW :9.8 VISC : 30
 DAILY: DC: \$82,519 CC :\$0 TC : \$82,519 CUM : DC : \$741,386 CC : \$0 TC : \$741,386
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING LATERAL @ 10411'

DAILY DETAILS : TRIP OUT OF HOLE TO BHA BREAK BIT & LAY DOWN CURVE MOTOR, PICK UP NOV 6 3/4"7:8, 5.0, 1.83 ABH MOTOR MWD PROGRAMING & DOUBLE CHECK SETTINGS ON TOOL INSTALL MWD PROBE, SCRIBE & TEST MWD MAKE UP BIT, TRIP IN WITH 2 JOINTS DRILL PIPE, MAKE UP RT, 14 STANDS + SINGLE DRILL PIPE & PICK UP AGITATOR & SHOCK SUB, CONTINUE TRIP IN HOLE TO 7127', FILLING PIPE & TEST MWD @ 3000' WASH & REAM F/ 7127' TO 7221' TWO TIMES ROT, WOB 35, GPM 650, RPM 65, DIFF 866 SURVEY @ 7265', INC 92.33, AZ 353.82, TVD 6861.01 SLIDE, WOB 30, GPM 650, TFO 140 R, DIFF 350 SURVEY @ 7359', INC 90.84, AZ 352.24, TVD 6858.41 SLIDE, WOB 35, GPM 650, TFO 120 R, DIFF 290 ROT, WOB 35, GPM 650, RPM 70, DIFF 650 SURVEY @ 7454', INC 89.69, AZ 353.03, TVD 6857.97 SLIDE, WOB 35, GPM 650, TFO 120 R, DIFF 310 ROT, WOB 35, GPM 650, RPM 70, DIFF 920 SLIDE, WOB 35, GPM 650, TFO 110 R, DIFF 90 ROT, WOB 35, GPM 650, RPM 70, DIFF 680 SURVEY @ 7643', INC 88.11, AZ 356.46, TVD 6861.46 SLIDE, WOB 35, GPM 650, TFO 90 R, DIFF 140 ROT, WOB 35, GPM 650, RPM 70, DIFF 480 SLIDE, WOB 35, GPM 650, TFO 90 R, DIFF 210 ROT, WOB 35, GPM 650, RPM 70, DIFF 700 SLIDE, WOB 40, GPM 650, TFO 30 R, DIFF 190 ROT, WOB 30, GPM 650, RPM 70, DIFF 650 SURVEY @ 8021', INC 90.31, AZ 4.28, TVD 6873.59 ROT, WOB 30, GPM 650, RPM 70, DIFF 620 SLIDE, WOB 40, GPM 650, TFO 110 L, DIFF 200 ROT, WOB 30, GPM 650, RPM 70, DIFF 670 SLIDE, WOB 40, GPM 650, TFO 90 L, DIFF 200 ROT, WOB 30, GPM 650, RPM 70, DIFF 675 SLIDE, WOB 40, GPM 650, TFO 110 L, DIFF 195 ROT, WOB 30, GPM 650, RPM 70, DIFF 595 SURVEY @ 8487', INC 89.69, AZ 353.47, TVD 6874.43 SLIDE, WOB 40, GPM 650, TFO 120 R, DIFF 210 ROT, WOB 30, GPM 650, RPM 70, DIFF 510 SURVEY @ 8671', INC 90.31, AZ 359.18, TVD 6875.77 ROT, WOB 30, GPM 650, RPM 65, DIFF 525 SURVEY @ 8763', INC 90.48, AZ 359.09, TVD 6875.14 SLIDE, WOB 40, GPM 650, TFO 180, DIFF 475 ROT, WOB 30, GPM 650, RPM 65, DIFF 695 SURVEY @ 8948', INC 89.25, AZ 359.44, AZ 6876.99 ROT, WOB 30, GPM 650, RPM 70, DIFF 565 SLIDE, WOB 40, GPM 650, TFO 135 L, DIFF 140 ROT, WOB 30, GPM 650, RPM 70, DIFF 590 SURVEY @ 9224', INC 90.31, AZ 0.76, TVD 6878.05 SLIDE, WOB 45, GPM 650, TFO 135 L, DIFF 150 ROT, WOB 30, GPM 650, RPM 70, DIFF 600 SURVEY @ 9318', INC 89.52, AZ 359.71, TVD 6878.19 ROT, WOB 30, GPM 615, RPM 70, DIFF 610 SURVEY @ 9413', INC 89.96, AZ 0.5, TVD 6878.26 ROT, WOB 30, GPM 615, RPM 70, DIFF 690 SLIDE, WOB 45, GPM 615, TFO 120 L, DIFF 150 ROT, WOB 30, GPM 615, RPM 70, DIFF 545 SURVEY @ 9697', INC 89.25, AZ 355.05, TVD 6878.71 ROT, WOB 30, GPM 615, RPM 70, DIFF 600 SLIDE, WOB 45, GPM 615, DIFF 175 ROT, WOB 30, GPM 615, RPM 70, DIFF 595 SURVEY @ 9886', INC 89.52, AZ 355.31, TVD 6881.53 SLIDE, WOB 40, GPM 615, TFO 90 R, DIFF 195 ROT, WOB 30, GPM 615, RPM 70, DIFF 610, SLIDE, WOB 40, GPM 615, TFO 80 R, DIFF 195 ROT, WOB 30, GPM 615, RPM 70, DIFF 500 SURVEY @ 10075', INC 90.57, AZ 359.88, TVD 6882.84 SLIDE, WOB 40, GPM 615, TFO 120 R, DIFF 190 ROT, WOB 30, GPM 615, RPM 70, DIFF 420 SURVEY @ 10265', INC 90.22, AZ 2.70, TVD 6883.28 ROT, WOB 30, GPM 615, RPM 70, DIFF 560



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WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		BO HARDEN		LAST CSG :		5.500		SHOE MD/TVD:		14,305 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882		KB ELEV :		0		GL ELEV:		0	
SPUD DATE :		9/30/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 10/05/2012 MD :13440 TVD :6921 PROGRESS : 3029 DAYS :5 MW :9.8 VISC : 30
 DAILY: DC: \$72,258 CC :\$0 TC : \$72,258 CUM : DC : \$813,645 CC : \$0 TC : \$813,645
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING LATERAL @ 14440'

DAILY DETAILS : SURVEY @ 10359', INC 90.75, AZ 1.38, TVD 6882.49 SLIDE, WOB 55, GPM 605, TFO 180, DIFF 180 ROT, WOB 32, GPM 605, RPM 70, DIFF 600 SURVEY @ 10454', INC 87.23, AZ 358.74, TVD 6884.17 SLIDE, WOB 48, GPM 605, TFO 70 R, DIFF 300 ROT, WOB 32, RPM 70, DIFF 500 SURVEY @ 10549', INC 88.37, AZ 1.20, TVD 6887.81 ROT, WOB 38, GPM 605, RPM 70, DIFF 610 SURVEY @ 10644, INC 91.10, AZ 2.87, TVD 6888.25 SLIDE, WOB 45, GPM 605, TFO 150 L, DIFF 340 ROT, WOB 30, GPM 605, RPM 70, DIFF 650 SURVEY @ 10738', INC 91.63, AZ 1.90, TVD 6886.01 SLIDE, WOB 48, GPM 605, TFO 150 L, DIFF 65 ROT, WOB 28, GPM 605, RPM 70, DIFF 495 SURVEY @ 10833', INC 89.16, AZ 358.83, TVD 6885.36 ROT, WOB 34, GPM 605, RPM 70, DIFF 670 SURVEY @ 10928', INC 89.08, AZ 358.39, TVD 6886.81 ROT, WOB 33, GPM 605, RPM 70, DIFF 650 SURVEY @ 10970', INC 90.40, AZ 0.76, TVD 6887.01 ROT, WOB 28, GPM 605, RPM 75, DIFF 765 SURVEY @ 11117', INC 91.19, AZ 0.94, TVD 6884.98 SLIDE, WOB 55, GPM 605, TFO 180, DIFF 145 ROT, WOB 28, GPM 605, RPM 65, DIFF 535 SURVEY @ 11306', INC 89.08, AZ 357.60, TVD 6886.87 ROT, WOB 28, GPM 605, RPM 75, DIFF 570 SURVEY @ 11400', INC 89.78, AZ 358.04, TVD 6887.81 ROT, WOB 28, GPM 605, RPM 75, DIFF 610 SURVEY @ 11495', INC 90.22, AZ 358.92, TVD 6887.81 SLIDE, WOB 55, GPM 605, TFO 150 R, DIFF 260 ROT, WOB 26, GPM 605, RPM 75, DIFF 405 SURVEY @ 11590', INC 89.16, AZ 0.24, TVD 6888.32 ROT, WOB 26, GPM 605, RPM 75, DIFF 530 SURVEY @ 11685', INC 89.52, AZ 0.67, TVD 6889.41 ROT, WOB 26, GPM 605, RPM 75, DIFF 600 SURVEY @ 11779', INC 89.78, AZ 1.20, TVD 6889.99 SLIDE, WOB 50, GPM 605, TFO 180, DIFF 170 ROT, WOB 30, GPM 605, RPM 75, DIFF 565 SURVEY @ 11874', INC 89.96, AZ 1.20, TVD 6890.21 ROT, WOB 25, GPM 605, RPM 75, DIFF 445 SURVEY @ 11968', INC 89.78, AZ 0.32, TVD 6890.42 ROT, WOB 25, GPM 605, RPM 75, DIFF 445 SURVEY @ 12063', INC 88.81, AZ 358.65, TVD 6891.59 SLIDE, WOB 32, GPM 605, TFO 45 R, DIFF 170 ROT, WOB 32, GPM 605, RPM 70, DIFF 650 RIG SERVICE SURVEY @ 12157', INC 88.81, AZ 356.02, TVD 6893.54 SLIDE, WOB 32, GPM 605, TFO 45 R, DIFF 130 ROT, WOB 32, GPM 605, RPM 75, DIFF 395 SURVEY @ 12200', INC 89.52, AZ 354.52, TVD 6894.17 SLIDE, WOB 40, GPM 605, TFO 90 R, DIFF 195 ROT, WOB 32, GPM 605, RPM 75, DIFF 590 SURVEY @ 12346', INC 89.43, AZ 352.85, TVD 6895.51 SLIDE, WOB 40, GPM 605, TFO 90 R, DIFF 210 ROT, WOB 32, GPM 605, RPM 75, DIFF 610 SURVEY @ 12441', INC 86.53, AZ 352.32, TVD 6989.86 SLIDE, WOB 40, GPM 605, TFO 60 R, DIFF 100 ROT, WOB 30, GPM 605, DIFF 400 SURVEY @ 12535', INC 87.58, AZ 354.26, TVD 6903.69 WOB 25, GPM 605, TFO 60 R, DIFF 200 ROT, WOB 35, GPM 605, RPM 75, DIFF 510 SURVEY @ 12630', INC 88.72, AZ 345.61, TVD 6906.75 SLIDE, WOB 25, GPM 605, TFO 60 R, DIFF 160 ROT, WOB 35, GPM 605, RPM 75, DIFF 490 SURVEY @ 12725', INC 89.25, AZ 356.28, TVD 6908.43 SLIDE, WOB 25, GPM 605, TFO 75 R, DIFF 165 ROT, WOB 35, GPM 605, RPM 75, DIFF 475 SURVEY @ 12820', INC 90.4, AZ 356.90, TVD 6908.72 SLIDE, WOB 25, GPM 605, TFO 90 R, DIFF 220 ROT, WOB 35, GPM 605, RPM 75, DIFF 470 SURVEY @ 12915', INC 88.72, AZ 358.57, TVD 6909.45 SLIDE, WOB 25, GPM 605, TFO 75 R, DIFF 230 ROT, WOB 35, RPM 75, DIFF 400 SURVEY @ 13009', INC 89.52, AZ 1.03, TVD 6910.90 ROT, WOB 35, GPM 605, RPM 75, DIFF 390 SURVEY @ 13104', INC 89.6, AZ 1.29, TVD 6912.58 ROT, WOB 35, GPM 605, RPM 75, DIFF 600 SURVEY @ 13199', INC 87.67, AZ 0.15, TVD 6914.84 SLIDE, WOB 40, GPM 605, TFO 45 R, DIFF 190 ROT, WOB 35, RPM 75, DIFF 575 SURVEY @ 13294', INC 88.81, AZ 0.15, TVD 6917.76 ROT, WOB 35, GPM 605, RPM 75, DIFF 580



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/8/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		BO HARDEN		LAST CSG :		5.500		SHOE MD/TVD:		14,305 / 6,929	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:		10/7/2012		1ST SALES :			

REPORT DATE: 10/06/2012 MD :14320 TVD :6929 PROGRESS : 880 DAYS : 6 MW :9.8 VISC : 30
 DAILY: DC: \$63,967 CC :\$0 TC : \$63,967 CUM : DC : \$901,591 CC : \$0 TC : \$901,591
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: LAY DOWN DRILL PIPE

DAILY DETAILS : SURVEY @ 13388', INC 89.60, AZ 1.64, TVD 6919.06 ROT, WOB 45, GPM 605, RPM 75, DIFF 725 SURVEY @ 13577', INC 87.93, AZ 359.53, TVD 6921.30 SLIDE, WOB 60, GPM 554, TFO 45 R, DIFF 90 ROT, WOB 37, GPM 554, RPM 65, DIFF 360 SURVEY @ 13672', INC 89.16, AZ 359.62, AZ 6923.70 SLIDE, WOB 52, GPM 554, TFO 60 R, DIFF 190 ROT, WOB 37, GPM 554, RPM 75, DIFF 420 SURVEY @ 13767', INC 88.46, AZ 359.62, TVD 6925.67 SLIDE, WOB 60, GPM 554, TFO 45 R, DIFF 275 ROT, WOB 35, GPM 554, RPM 75, DIFF 680 SURVEY @ 13862', INC 89.96, AZ 1.99, TVD 6926.98 SLIDE, WOB 58, GPM 554, DIFF 105 ROT, WOB 35, GPM 554, RPM 75, DIFF 535 SURVEY @ 13956', INC 90.75, AZ 1.2, TVD 6926.40 ROT, WOB 37, GPM 554, RPM 60, DIFF 635 SURVEY @ 14050', INC 90.57, AZ 1.20, TVD 6925.32 ROT, WOB 35, GPM 554, RPM 70, DIFF 620 SURVEY @ 14145', INC 87.93, AZ 359.27, TVD 6828.68 SLIDE, WOB 60, GPM 554, TFO 30 R, DIFF 245 ROT, WOB 35, GPM 554, RPM 70, DIFF 550 SURVEY @ 14240', INC 89.52, AZ 359.88, TVD 6928.78 ROT, WOB 35, GPM 554, RPM 70, DIFF 320 SURVEY @ 14268', INC 90.04, AZ 0.24, TVD 6928.78 PUMP 5 X 30 BBL LOW VIS & 50 BBL HIGH VIS SWEEPS & CIRCULATE HOLE CLEAN, HOLD PRE TOUR & PRE JOB MEETING TRIP OUT OF HOLE WITH 10 STANDS DRILL PIPE RACKING SAME IN DERRICK LAY DOWN 162 JOINTS DRILL PIPE TO 8353' WASH & REAM THROUGH DOG LEG F/ 8353 TO 8631' PUMP 2 X 50 BBL HIGH VIS SWEEP & CIRCULATE HOLE CLEAN LAY DOWN DRILL PIPE TO 1800'

REPORT DATE: 10/07/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS : 7 MW : VISC :
 DAILY: DC: \$370,672 CC :\$0 TC : \$370,672 CUM : DC : \$1,272,263 CC : \$0 TC : \$1,272,263
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: CEMENTING 5 1/2" CASING

DAILY DETAILS : LAY DOWN DRILL PIPE TO BHA BREAK BIT & LAY DOWN DIRECTIONAL TOOLS TRIP IN WITH 7 STANDS DRILL PIPE LAY DOWN REMAINING 21 JOINTS DRILL PIPE PULL WEAR BUSHING CHANGE BAILS & ELEVATORS, RIG UP EXPRESS CASING TOOLS & STABBING BOARD MAKE UP DAVIS LYNCH 5 1/2" FLOAT SHOE & FLOAT COLLAR, & FIRST JOINT CASING, TEST FLOAT EQUIPMENT FOR CIRCULATION, RUN 166 JOINTS 5 1/2" 17 PPF, HC/P110, LTC CASING, DAVIS LYNCH FLOATATION COLLAR, 16 JOINTS 5 1/2" 17 PPF, HC/P 110, LTC CASING, MARKER JOINT & 140 JOINTS 5 1/2" 17PPF, HC/P110, LTC CASING. SET @ 14305', RAN 5 1/2" X 8" TURBULATORS ON EVERY OTHER JOINT FROM #57 TO # 1183 FOR A TOTAL OF 65, CENTRALIZERS ON EVERY FIFTH JOINT FROM # 184 TO #317. FLOATED 7365' OF CASING IN HOLE. RIG DOWN EXPRESS CASING TOOLS & LAY DOWN MACHINE RIG UP HALLIBURTON CEMENT HEAD & HOLD PRE JOB MEETING BURST FLOATATION COLLAR WITH 2848 PSI & AIR OUT CASING CIRCULATE 2 TIMES CASING VOL @ 8 BBL / MIN TO INSURE ALL AIR OUT OF WELL DROP INDICATOR PLUG & PUMP DOWN SAME, BUMPED PLUG @ 4 BBL / MIN WITH 180 PSI, PRESSURED UP WITH RIG PUMP TO 4000 PSI, UNABLE TO SHEAR PLUG. HOLD PRE JOB MEETING WITH ALL PERSONNEL, CHANGE LINES OVER TO HALLIBURTON & TEST LINES TO 7000 PSI, SHEAR PLUG @ 4720 PSI, PUMP 20 BBL FRESH WATER SPACER @ 3000 PSI, MIX & PUMP 865 SACKS LEAD CEMENT (ECONOCEM (TM) SYSTEM, @ 11.5 PPG, 2.75 YIELD, MIXED WITH 16.31 GAL FRESH WATER PER SACK + 0.15% SA-1015 + 0.25 LBM D-AIR 5000 + 0.7% HR-601. MIX & PUMP 1960 SACKS TAIL CEMENT (VERSACEM (TM) SYSTEM. MIXED WITH 5.76 GAL FRESH WATER PER SACK + 0.7% HALAD(R)-23 + 0.1% WG-17, + 5 LBM MICROBOND 2000 + 5% POTASSIUM CHLORIDE + 0.4 % HR-601 + 0.3% CFR-3 W/O DEFOAMER.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/8/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	BO HARDEN	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 10/08/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :8 MW : VISC :
 DAILY: DC: \$220,226 CC :\$0 TC : \$220,226 CUM : DC : \$1,492,489 CC : \$0 TC : \$1,492,489
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: WAIT ON DAY LIGHT

DAILY DETAILS : DISPLACE 5 1/2" CASING WITH 332 BBL FRESH WATER @ 8 BBL / MIN, SLOWING PUMPS TO 4.5 BBL / MIN LAST 20 BBL.
 BUMPED PLUG WITH 2100 PSI @ 05:55 AM. CONTINUED PUMPING BURSTING PLUG @ 5500 PSI. PRESSURE STABILIZED
 @ 1650 PSI, SHUT CEMENT HEAD IN ON RIG FLOOR & BLED PRESSURE OFF @ TRUCK. (50 BBL CEMENT RETURNED TO
 SURFACE)

NOTE: HAD EXCESSIVE PRESSURES THROUGH FIRST 103 BBL OF CEMENT JOB (PUMPED @ 4 BBL PER MIN WITH AVG
 PRESSURE BETWEEN 4000 & 5500 PSI, PRESSURE CONTINUED TO BUILD TO 8000 PSI BEFORE BREAKING BACK.
 CONTINUED JOB @ 8BBL / MIN @ 680 PSI WITH FULL RETURNS. IT APPEARS THAT THE PLUG DID NOT BURST ON INITIAL
 TRY. NOTE: I HAD DISCUSSED WITH HALLIBURTON THAT WE WOULD NOT EXCEED 6000 PSI WITHOUT CALLING FOR
 DIRECTIONS RIG DOWN HALLIBURTON WHILE WAIT ON CEMENT RIG UP MONAHANS NIPPLE UP WINCHES, NIPPLE DOWN
 BOP, LIFT STACK & SET SLIPS ON CASING WITH 75 K ON SLIPS. BLEED OFF CASING FLOATS HOLDING, CUT CASING, LAY
 OUT CUT JOINT & SECURE BOP ON BOP CARRIER, DRESS CASING, INSTALL 11 5M X 7 1/16" 10M TUBING HEAD, TEST
 SAME TO 5000 PSI & INSTALL BLANK FLANGE. (MOVED CO MAN TRAILER TO LINTHICUM M # 6 H) RIG RELEASED @ 13:00
 HRS, RIGGING DOWN, DERRICK ON STAND@ 17:00 HRS WAIT ON DAY LIGHT



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/22/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	FORD/WADE/SHERRILL	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 10/21/2012	MD :14320	TVD :6929	PROGRESS :	DAYS :9	MW :	VISC :
DAILY: DC: \$0	CC :\$92,768	TC : \$92,768	CUM : DC : \$1,593,667	CC : \$92,768	TC : \$1,686,435	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME: WAIT ON FRAC DATE						

DAILY DETAILS : API RAN GR/CCL AND CUDD PERFORMED INJECTION TEST.
 INJECT 100 BBLS OF TREATED WATER.
 11.2 BPM @ 4002 PSI.
 ISIP 2075 PSI



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/16/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/16/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :10 MW : VISC :
 DAILY: DC: \$0 CC :\$23,835 TC : \$23,835 CUM : DC : \$1,593,667 CC : \$123,323 TC : \$1,716,990
 FORMATION: PBD : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: READY TO START FRAC OPERATIONS

DAILY DETAILS : Waiting on Pumpco to arrive on location. 10:00 am all pumps on location, begin rig-up. MIRU PUMPCO AND ALL SUPPORT SERVICES. (waiting on API lubricator) Fire up pumps, Prime and test, (had to fix several leaks), test to 8,880 psi, run through all pumps with trip test. Set pop-off at 8,160 psi. Pump 500 bbls casing flush. 16.2 bpm @ 4760 psi. Lubricator trailer arrived on location, rig-up BOP's and lubricator, re-head gun string. Wellhead secure, no accidents or spills to report today. Ready to perf stage 1.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/19/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/17/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :11	MW :	VISC :
DAILY: DC: \$0	CC :\$347,899	TC : \$347,899	CUM : DC : \$1,593,667	CC : \$471,222	TC :	\$2,064,889
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.13	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
14086	14087	6	60
14126	14127	6	60
14170	14171	6	60
14206	14207	6	60
14246	14247	6	60

ACTIVITY AT REPORT TIME: FRAC/PERF

DAILY DETAILS : HOLD SAFETY MEETING WITH ALL PERSONEL ON LOCATION. TEST LINES TO 8800 PSI, SET POPOFF TO 8250 PSI. Stage

#1 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10K CBP

Pump Down:	Max Rate 14.0	Max Psi	5,290
Spot Acid Bbls.	48	Pump Down Fluid	1,186
Set Plug @	14,290'	Test Plug to	4,360 Psi
Perf Cluster #1	14,270'		
Break Down	3,260	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	14,086' to	14,270'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE UNIT #109

API LUBE UNIT #264 Stage #1 Frac

14,086' to	14,270'		
Max Psi	8,020	Max Rate 79.5	Avg Psi 7,895 Avg Rate 75.5
Total Clean Fluid		7,620	Production Water 3,315 43.5% Of Total Clean
Total Proppant		191,400	Max Prop Con. 2.00
ISIP	2788	Frac Gradient 0.82	Stage #2 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 17.0	Max Psi	3,690
Spot Acid Bbls.	48	Pump Down Fluid	593
Set Plug @	14,060'	Test Plug to	4,480 Psi
Perf Cluster #1	14,036'		
Break Down	3,730	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	13,836' to	14,036'	

POOH with wireline left remaining acid across perfs, All guns confirmed fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #2 Frac

13,836' to	14,036'		
Max Psi	7,680	Max Rate 82.7	Avg Psi 6,968 Avg Rate 81.7
Total Clean Fluid		7,290	Production Water 1,168 16.0% Of Total Clean
Total Proppant		289,220	Max Prop Con. 2.00
ISIP	3000	Frac Gradient 0.85	

Stage #3 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.4	Max Psi	3,290
Spot Acid Bbls.	48	Pump Down Fluid	449



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/19/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

Set Plug @ 13,806' Test Plug to 5,040 Psi
 Perf Cluster #1 13,779'
 Break Down 3,650 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 13,586' to 13,779'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #3 Frac

13,586' to 13,779'				
Max Psi 7,750	Max Rate 82.7	Avg Psi 7,033	Avg Rate 78.4	
Total Clean Fluid 6,577	Production Water 0	0.0%	Of Total Clean	
Total Proppant 287,980	Max Prop Con. 2.00			
ISIP 2925	Frac Gradient 0.84			Stage #4 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.1 Max Psi 3,260
 Spot Acid Bbls. 144 Pump Down Fluid 622
 Set Plug @ 13,552' Test Plug to 4,510 Psi
 Perf Cluster #1 13,534'
 Break Down 5,330 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 13,330' to 13,534'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

STAGE 4 SCREENED OUT WITH ONLY 2,000

LBS 100 MESH IN FORMATION, FLOWBACK AND RE-START. ON RE-START I WILL RUN EXTRA 4000 GAL ACID. (36 HOLES SHOWED OPEN ON STEP TEST) Stage #4 Frac

13,330' to 13,534'				
Max Psi 7,990	Max Rate 81.1	Avg Psi 6,565	Avg Rate 78.7	
Total Clean Fluid 11,715	Production Water 0	0.0%	Of Total Clean	
Total Proppant 480,790	Max Prop Con. 2.50			
ISIP 3156	Frac Gradient 0.87			Wellhead secure, no accidents or spills to report

today. Ready to perf stage 5.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/19/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/18/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :12	MW :	VISC :
DAILY: DC: \$0	CC :\$311,334	TC : \$311,334	CUM : DC : \$1,593,667	CC : \$782,556	TC :	\$2,376,223
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.13	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
13086	13087	6	60
13126	13127	6	60
13166	13167	6	60
13202	13203	6	60
13246	13247	6	60

ACTIVITY AT REPORT TIME: FRAC/PERF

DAILY DETAILS : HOLD SAFETY MEETING WITH ALL PERSONEL ON LOCATION. TEST LINES TO 8720 PSI, SET POPOFF TO 8200 PSI. Stage #5 Perforating
Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.6	Max Psi 4,040
Spot Acid Bbls.	48	Pump Down Fluid 399
Set Plug @	13,306'	Test Plug to 4,460 Psi
Perf Cluster #1	13,286'	with 6
Break Down	3,810 Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	13,086' to 13,286'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

DOWN TIME DUE TO FUEL NOT ON

LOCATION. Stage #5 Frac

13,086' to 13,286'

Max Psi 8,040	Max Rate 80.3	Avg Psi 7,655	Avg Rate 66.3	
Total Clean Fluid	10,396	Production Water	4,742	45.6% Of Total Clean
Total Proppant	484,340	Max Prop Con.	2.50	
ISIP 3140	Frac Gradient 0.87			

Stage #6 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.5	Max Psi 3,550
Spot Acid Bbls.	48	Pump Down Fluid 399
Set Plug @	13,056'	Test Plug to 4,530 Psi
Perf Cluster #1	13,036'	
Break Down	4,450 Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	12,832' to 13,036'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #6 Frac

12,832' to 13,036'		
Max Psi 7,880	Max Rate 82.6	Avg Psi 6,768 Avg Rate 80.2
Total Clean Fluid	9,575	Production Water 2,542 26.5% Of Total Clean
Total Proppant	475,760	Max Prop Con. 2.50
ISIP 3019	Frac Gradient 0.85	

Stage #7 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/19/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

Pump Down: Max Rate 15.9 Max Psi 3,760
 Spot Acid Bbls. 48 Pump Down Fluid 371
 Set Plug @ 12,806' Test Plug to 4,390 Psi
 Perf Cluster #1 12,786'
 Break Down 3,970 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 12,586' to 12,786'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBICATOR # 264

Stage #7 Frac

12,586' to 12,786'					
Max Psi 6,120	Max Rate 81.5	Avg Psi 5,542	Avg Rate 80.9		
Total Clean Fluid 9,282	Production Water 0	0.0%	Of Total Clean		
Total Proppant 484,440	Max Prop Con. 2.50				
ISIP 3094	Frac Gradient 0.86				Stage #8 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.3 Max Psi 3,220
 Spot Acid Bbls. 48 Pump Down Fluid 400
 Set Plug @ 12,556' Test Plug to 4,360 Psi
 Perf Cluster #1 12,536'
 Break Down 3,580 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 12,336' to 12,536'
 POOH with wireline pump remaining acid through perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBICATOR # 264
today. Ready to frac stage 8.

Wellhead secure, no accidents or spills to report



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/19/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/19/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :13	MW :	VISC :
DAILY: DC: \$0	CC :\$14,070	TC : \$14,070	CUM : DC : \$1,593,667	CC : \$796,626	TC :	\$2,390,293
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME:	MAINTAINCE					

DAILY DETAILS : DOWN ON WEEKEND FOR MAINTAINCE



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/20/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/20/2012	MD :14320	TVD :6929	PROGRESS :	DAYS :14	MW :	VISC :
DAILY: DC: \$0	CC :\$361,088	TC : \$361,088	CUM : DC : \$1,593,667	CC : \$1,157,714		TC : \$2,751,381
FORMATION:			PBTD : 0	PERF :		PKR.DPTH:
CONTRACTOR : API			GUN TYPE : HSC			OD : 3.13

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
12080	12081	3	120
12110	12111	3	120
12140	12141	3	120
12166	12167	3	120
12200	12201	3	120

ACTIVITY AT REPORT TIME: FRAC/PERF

DAILY DETAILS : Hold safety meeting with all personel on location. Test lines to 8890 psi, and set popoff to 8250 psi. Stage #8 Frac

12,336' to 12,536'				
Max Psi 6,700	Max Rate 80.5	Avg Psi 5,947	Avg Rate 79.5	
Total Clean Fluid 9,707	Production Water 1,957	20.2%	Of Total Clean	
Total Proppant 478,260	Max Prop Con. 2.50			
ISIP 3130	Frac Gradient 0.87		Stage #9 Perforating	

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.5	Max Psi 3,700	
Spot Acid Bbls. 119	Pump Down Fluid 393		
Set Plug @ 12,300'	Test Plug to 4,580	Psi	
Perf Cluster #1 12,290'			
Break Down 3,220	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 12,080' to 12,290'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #9 Frac

12,080' to 12,290'			
Max Psi 6,620	Max Rate 41.7	Avg Psi 5,640	Avg Rate 40.6
Total Clean Fluid 9,758	Production Water 3,894	39.9%	Of Total Clean
Total Proppant 482,740	Max Prop Con. 2.50		
ISIP 2800	Frac Gradient 0.82		Stage #10 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.7	Max Psi 4,120	
Spot Acid Bbls. 120	Pump Down Fluid 392		
Set Plug @ 12,050'	Test Plug to 4,490	Psi	
Perf Cluster #1 12,030'			
Break Down 4,620	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 11,840' to 12,030'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #10 Frac

11,840' to 12,030'			
Max Psi 6,780	Max Rate 41.1	Avg Psi 4,588	Avg Rate 40.9



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/20/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RICHARDSON/LAIN/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

Total Clean Fluid	9,470	Production Water	4,991	52.7%	Of Total Clean
Total Proppant	479,340	Max Prop Con.	2.50		
ISIP	2818	Frac Gradient	0.83		Stage #11 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.3	Max Psi	4,120
Spot Acid Bbls.	48	Pump Down Fluid	308
Set Plug @	11,806'	Test Plug to	4,470 Psi
Perf Cluster #1	11,786'		
Break Down	3,330	Psi	Pump
Perforated Interval	11,586' to 11,786'		12 bbls acid into cluster #1

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBICATOR # 264

Stage #11 Frac

11,586' to 11,786'			
Max Psi	6,140	Max Rate	81.4
Total Clean Fluid	9,842	Avg Psi	5,554
Total Proppant	482,520	Avg Rate	77.5
ISIP	3095	Production Water	1712
Frac Gradient	0.86	Max Prop Con.	2.50

17.4% Of Total Clean

Wellhead secure, no accidents or spills to report today. Ready to perf stage 12 .



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/21/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/VAL	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/21/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :15	MW :	VISC :
DAILY: DC: \$0	CC :\$379,947	TC : \$379,947	CUM : DC : \$1,593,667	CC : \$1,537,661	TC :	\$3,131,328
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC	OD : 3.13			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
11340	11341	6	120
11370	11371	6	120
11416	11417	6	120
11456	11457	6	120
11496	11497	6	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all vendors on location. Lines tested to 8890 psi. PRV's set at 8250 psi. Trips set between 8400 psi to 8200 psi. Stage #12 Perforating
Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi	3,660
Spot Acid Bbls.	48	Pump Down Fluid	330
Set Plug @	11,560'	Test Plug to	4,570 Psi
Perf Cluster #1	11,536'		
Break Down	3660	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	11,340' to	11,536'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBRICATOR # 264

Stage #12 Frac

11,340' to	11,536'				
Max Psi 7,510	Max Rate 81.5	Avg Psi 6,212	Avg Rate 81.1		
Total Clean Fluid	9,775	Production Water	0	0.0%	Of Total Clean
Total Proppant	481,800	Max Prop Con.	2.50		
ISIP 2800	Frac Gradient	0.82			Stage #13 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.0	Max Psi	3,290
Spot Acid Bbls.	48	Pump Down Fluid	292
Set Plug @	11,306'	Test Plug to	4,520 Psi
Perf Cluster #1	11,280'		
Break Down	3,290	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	11,086' to	11,280'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBRICATOR # 264

Stage #13 Frac

11,086' to	11,280'				
Max Psi 8,110	Max Rate 82.2	Avg Psi 6,345	Avg Rate 81.1		
Total Clean Fluid	9,782	Production Water	0	0.0%	Of Total Clean
Total Proppant	486,960	Max Prop Con.	2.50		
ISIP 3052	Frac Gradient	0.86			Stage #14 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/21/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		RASMUSSEN/HARGROVE/VAL		LAST CSG :		5.500		SHOE MD/TVD:		14,305 / 6,929	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:		10/7/2012		1ST SALES :			

Pump Down: Max Rate 15.0 Max Psi 3,410
Spot Acid Bbls. 48 Pump Down Fluid 289

Set Plug @ 11,056' Test Plug to 4,540 Psi
Perf Cluster #1 11,036'
Break Down 3,980 Psi Pump 12 bbls acid into cluster #1
Perforated Interval 10,836' to 11,036'
POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #14 Frac

10,836' to 11,036'					
Max Psi 7,270	Max Rate 81.4	Avg Psi 6,251	Avg Rate 80.7		
Total Clean Fluid 9,806	Production Water 762	7.8%	Of Total Clean		
Total Proppant 480,240	Max Prop Con. 2.50				
ISIP 2985	Frac Grad. 0.85				Stage #15 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.7 Max Psi 4,655
Spot Acid Bbls. 48 Pump Down Fluid 287
Set Plug @ 10,806' Test Plug to 4,310 Psi
Perf Cluster #1 10,786'
Break Down 4,780 Psi Pump 12 bbls acid into cluster #1
Perforated Interval 10,586' to 10,786'
POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #15 Frac

10,586' to 10,786'					
Max Psi 5,890	Max Rate 41.1	Avg Psi 4,801	Avg Rate 40.9		
Total Clean Fluid 9,454	Production Water 0	0.0%	Of Total Clean		
Total Proppant 473,660	Max Prop Con. 2.50				
ISIP 2700	Frac Grad. 0.81				RIH to perforate Stage 16. Set down at 2370'.

Pulled up to 2200 lbs and did not move. Started pumping at 1 BPM and sheared off plug with shorty setting tool. POOH. O-Ring on bleader was bad. Hydrostatic pressure had stroked setting tool and set plug. Rig down wireline and frac equipment off of wellhead to make room for coiled tubing unit. Well secured. No activity. No accidents/incidents to report.
Operation suspended until Friday morning due to holidays. No report tomorrow or Thursday.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/26/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/VAL	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/22/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS : 16	MW :	VISC :
DAILY: DC: \$0	CC :\$14,070	TC : \$14,070	CUM : DC : \$1,593,667	CC : \$1,551,731		TC : \$3,145,398
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
ACTIVITY AT REPORT TIME:						

DAILY DETAILS : No Activity. Waiting on Coiled Tubing Unit.

REPORT DATE: 11/23/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS : 17	MW :	VISC :
DAILY: DC: \$0	CC :\$11,130	TC : \$11,130	CUM : DC : \$1,593,667	CC : \$1,562,861		TC : \$3,156,528
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
ACTIVITY AT REPORT TIME:						

DAILY DETAILS : No Activity. Down for holidays.

REPORT DATE: 11/24/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS : 18	MW :	VISC :
DAILY: DC: \$0	CC :\$72,544	TC : \$72,544	CUM : DC : \$1,593,667	CC : \$1,635,405		TC : \$3,229,072
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
ACTIVITY AT REPORT TIME:						

DAILY DETAILS : No Activity MIRU IPS coiled tubing unit and associated equipment. Pressure test to 5900 psi. RIH with 4 3/4" rock bit, 2 rotary subs, mud motor, circ sub, hydraulic disconnet, and dual flapper back pressure valve. Tag plug at 2380'. Drilled out . RIH to 10684 ft. Ran sweeps and circulated out to pit. Pulled up to 6000 ft. Injected 15 bbls into formation - 2.8 bpm @ 4300 psi. POOH. RDMO stacked equipment on location. Wellhead secured no incidents or spills to report. Operations will resume 11-26-12 @ 6am. off report until then.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/27/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/27/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :19 MW : VISC :
 DAILY: DC: \$0 CC :\$726,288 TC : \$726,288 CUM : DC : \$1,593,667 CC : \$2,361,692 TC : \$3,955,359
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 CONTRACTOR : API GUN TYPE : HSC OD : 3.13

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
10336	10337	6	120
10376	10377	6	120
10416	10417	6	120
10456	10457	6	120
10496	10497	6	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all personel on location. Lines tested to 9000 psi. PRV's set @ 8300 psi. Trips set from 8700 psi to 8400 psi. Ready to flush lateral, and perforate stage 16. Flush 367 bbls . 40 bpm 7890 psi Stage #16 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.0 Max Psi 4,830
 Spot Acid Bbls. 48 Pump Down Fluid 655
 Set Plug @ 10,556' Test Plug to 4,530 Psi
 Perf Cluster #1 10,536'
 Break Down 3,260 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 10,336' to 10,536'
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Started in hole lost CCL at 450 ft. POOH, rewired, RIH DOWN TIME: WATER TRANSFER- Burst pop off on water transfer line. Line replaced, tanks topped back off, RTF stg 16 Stage #16 Frac

10,336' to 10,536'				
Max Psi 7,680	Max Rate 90.0	Avg Psi 6,254	Avg Rate 87.8	
Total Clean Fluid 10,126	Production Water 2,583	25.5%	Of Total Clean	
Total Proppant 478,980	Max Prop Con. 2.50			
ISIP 2828	Frac Grad. 0.83			Stage #17 Perforating

Perforate w/ 3 1/8" 12 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.0 Max Psi 3,690
 Spot Acid Bbls. 48 Pump Down Fluid 290
 Set Plug @ 10,300' Test Plug to 4,500 Psi
 Perf Cluster #1 10,282'
 Break Down 3,690 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 10,084' to 10,282'
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #17 Frac

10,084' to 10,282'				
Max Psi 8,060	Max Rate 92.3	Avg Psi 6,599	Avg Rate 89.2	
Total Clean Fluid 9,796	Production Water 2748	28.1%	Of Total Clean	
Total Proppant 478,870	Max Prop Con. 2.50			



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/27/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

ISIP 2745 Frac Grad. 0.82 Stage #18 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.9 Max Psi 3,910
 Spot Acid Bbls. 48 Pump Down Fluid 264
 Set Plug @ 10,055' Test Plug to 4,520 Psi
 Perf Cluster #1 9,832'
 Break Down 4,062 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,832' to 10,035'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #18 Frac

9,832' to 10,035'
 Max Psi 4,660 Max Rate 40.8 Avg Psi 4,113 Avg Rate 40.4
 Total Clean Fluid 9,663 Production Water 2,006 20.8% Of Total Clean
 Total Proppant 478,946 Max Prop Con. 2.50
 ISIP 2840 Frac Grad. 0.83 Stage #19 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.8 Max Psi 4,220
 Spot Acid Bbls. 48 Pump Down Fluid 323
 Set Plug @ 9,802' Test Plug to 4,580 Psi
 Perf Cluster #1 9,776'
 Break Down 4,330 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,579' to 9,776'
 POOH with wireline. Pump remaining acid into perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Secure Well. No accidents/incidents to report.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/28/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/28/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :20	MW :	VISC :
DAILY: DC: \$0	CC :\$300,027	TC : \$300,027	CUM : DC : \$1,593,667	CC : \$2,603,246		TC : \$4,196,913
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
CONTRACTOR : API		GUN TYPE : HSC				OD : 3.13

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
9326	9327	3	120
9355	9356	3	120
9382	9383	3	120
9413	9414	3	120
9442	9443	3	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all personel on location. Lines tested 8830 psi. PRV's set @ 8360 psi. Trips staggered from 8700 psi to 8400 psi. Wellhead opened and verified. Stage #19 Frac

9,579' to 9,776'					
Max Psi 7,550	Max Rate 45.5	Avg Psi 4,668	Avg Rate 41.6		
Total Clean Fluid 9,817	Production Water 1,100	11.2%	Of Total Clean		
Total Proppant 479,361	Max Prop Con. 2.50				
ISIP 3275	Frac Grad. 0.89				

Stage #20 Perforating

Perforate w/ 3 1/8" 3 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi 4,080	
Spot Acid Bbls. 48	Pump Down Fluid 247		
Set Plug @ 9,549'	Test Plug to 4,600	Psi	
Perf Cluster #1 9,529'			
Break Down 4,080	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 9,326' to 9,529'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #20 Frac

9,326' to 9,529'				
Max Psi 5,560	Max Rate 45.1	Avg Psi 4,376	Avg Rate 42.9	
Total Clean Fluid 9,226	Production Water 0	0.0%	Of Total Clean	
Total Proppant 479,680	Max Prop Con. 2.50			
ISIP 2800	Frac Grad. 0.82			

Stage #21 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi 3,814	
Spot Acid Bbls. 48	Pump Down Fluid 245		
Set Plug @ 9,292'	Test Plug to 4,530	Psi	
Perf Cluster #1 9,276'			
Break Down 4,100	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 9,073' to 9,276'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBICATOR # 264

Stage #21 Frac

9,073' to 9,276'



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/28/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

Max Psi	7,700	Max Rate	40.9	Avg Psi	5,141	Avg Rate	39.3
Total Clean Fluid			9,856	Production Water	0	0.0%	Of Total Clean
Total Proppant			479,350	Max Prop Con.	2.50		
ISIP	3120	Frac Grad.	0.87				Stage #22 Perforating

Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.8	Max Psi	4,000
Spot Acid Bbls.	48	Pump Down Fluid	303
Set Plug @	9,046'	Test Plug to	4,510 Psi
Perf Cluster #1	9,023'		
Break Down	3,880 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	8,820' to 9,023'		

POOH with wireline. Pump remaining acid into perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBICATOR # 264

Secure well. No accidents/incidents to report.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/29/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/29/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :21	MW :	VISC :
DAILY: DC: \$0	CC :\$305,957	TC : \$305,957	CUM : DC : \$1,593,667	CC : \$3,003,966	TC :	\$4,597,633
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC		OD : 3.13		

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
8567	8568	3	120
8598	8599	3	120
8625	8626	3	120
8654	8655	3	120
8686	8687	3	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all vendors on location. Lines tested to 8860 psi. PRV's set to 8360 psi. Trips set between 8700 psi and 8400 psi. Stage #22 Frac

8,820'	to	9,023'			
Max Psi	6,310	Max Rate	45.0	Avg Psi	4,963 Avg Rate 43.3
Total Clean Fluid			9,634	Production Water	3,967 41.2% Of Total Clean
Total Proppant			479,080	Max Prop Con.	2.50
ISIP	3035	Frac Grad.	0.86		

Stage #23 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi	4,100
Spot Acid Bbls.	48	Pump Down Fluid	232
Set Plug @	8,790'	Test Plug to	4,510 Psi
Perf Cluster #1	8,774'		
Break Down	4,100	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	8,567'	to	8,774'

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #23 Frac

8,567'	to	8,774'			
Max Psi	5,220	Max Rate	43.5	Avg Psi	4,933 Avg Rate 42.5
Total Clean Fluid			9,529	Production Water	4192 44.0% Of Total Clean
Total Proppant			481,300	Max Prop Con.	2.50
ISIP	3000	Frac Grad.	0.85		

Stage #24 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi	3,330
Spot Acid Bbls.	48	Pump Down Fluid	233
Set Plug @	8,537'	Test Plug to	4,580 Psi
Perf Cluster #1	8,517'		
Break Down	4,080	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	8,314'	to	8,517'

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage # 24 Frac

Burst hydraulic hose on chem pump during 2# 40/70. Replace hydraulic hose on chem pump Stage #24 Frac



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/29/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

8,314' to 8,517'					
Max Psi 5,400	Max Rate 44.8	Avg Psi 4,117	Avg Rate 42.5		
Total Clean Fluid 10,135	Production Water 1,400	13.8%	Of Total Clean		
Total Proppant 489,860	Max Prop Con. 2.50				
ISIP 3300	Frac Grad. 0.89				Stage #25 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.8	Max Psi 3,860	
Spot Acid Bbls. 48	Pump Down Fluid 281		
Set Plug @ 8,288'	Test Plug to 4,520	Psi	
Perf Cluster #1 8,264'			
Break Down 4,070	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 8,066' to 8,264'			

POOH with wireline. Pump remaining acid into perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBRICATOR # 264



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/30/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 11/30/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :22	MW :	VISC :
DAILY: DC: \$0	CC :\$304,629	TC : \$304,629	CUM : DC : \$1,593,667	CC : \$3,308,595	TC :	\$4,902,262
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC	OD : 3.13			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
7808	7809	3	120
7832	7833	3	120
7866	7867	3	120
7895	7896	3	120
7920	7921	3	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all personnel on location. Lines tested to 8880 psi. PRV's set at 8450 psi. Trips set between 8700 psi and

8400 psi. Stage #25 Frac					
8,066' to 8,264'					
Max Psi 5,450	Max Rate 45.7	Avg Psi 4,403	Avg Rate 43.3		
Total Clean Fluid 9,577	Production Water 0	0.0%	Of Total Clean		
Total Proppant 476,980	Max Prop Con. 2.00				
ISIP 2850	Frac Grad. 0.83				

Stage #26 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi 3,300	
Spot Acid Bbls. 48	Pump Down Fluid 218		
Set Plug @ 8,031'	Test Plug to 4,460	Psi	
Perf Cluster #1 8,011'			
Break Down 4,600	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 7,808' to 8,011'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #26 Frac

7,808' to 8,011'				
Max Psi 5,990	Max Rate 44.0	Avg Psi 4,379	Avg Rate 43.0	
Total Clean Fluid 9,265	Production Water 4,063	43.9%	Of Total Clean	
Total Proppant 479,100	Max Prop Con. 2.50			
ISIP 2850	Frac Grad. 0.83			

Stage #27 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi 3,350	
Spot Acid Bbls. 48	Pump Down Fluid 220		
Set Plug @ 7,778'	Test Plug to 4,470	Psi	
Perf Cluster #1 7,758'			
Break Down 3,570	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 7,555' to 7,758'			

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Stage #27 Frac



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 11/30/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

7,555' to 7,758'					
Max Psi 4,460	Max Rate 44.2	Avg Psi 4,032	Avg Rate 43.1		
Total Clean Fluid 9,983		Production Water 1,068	10.7%	Of Total Clean	
Total Proppant 478,610		Max Prop Con. 2.50			
ISIP 2750	Frac Grad. 0.82				Stage #28 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.0	Max Psi 3,000	
Spot Acid Bbls. 48	Pump Down Fluid 270		
Set Plug @ 7,532'	Test Plug to 4,560	Psi	
Perf Cluster #1 7,505'			
Break Down 4,760	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 7,308' to 7,505'			

POOH with wireline. Pumped remaining acid into perfs, All guns confirmed Fired

API WIRELINE # 109

API LUBRICATOR # 264

Not enough time to complete 4 hr. stage before midnight.

Secure well. No accidents/incidents to report.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/3/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	RASMUSSEN/HARGROVE/LAI	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/01/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :23	MW :	VISC :
DAILY: DC: \$0	CC :\$567,434	TC : \$567,434	CUM : DC : \$1,593,667	CC : \$3,876,029	TC :	\$5,469,696
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC	OD : 3.13			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
7049	7050	3	120
7072	7073	3	120
7107	7108	3	120
7136	7137	3	120
7165	7166	3	120

ACTIVITY AT REPORT TIME:

DAILY DETAILS : Held safety meeting with all personel. Lines tested to 9000 psi. PRV's set at 8200 psi. Trips set between 8600 psi and 8400 psi. Attempted to establish rate for step rate test. Pumped 245 bbls, max rate 40 bpm. Pressure never lined out, as pressure increased continued to drop rate. Shut down at 8 bpm @ 8190 psi. Flowed back to pit estimated 150 bbls. Re established rate after flowback of 44.5 bpm @ 7710 psi. Performed step rate test. Open hole calculator showed 11 out of 24 perforations opened. Ran 500 gal spearhead of 7.5 % hcl (Only had 2000 gal of acid left on location had to leave enough acid in tank for last pumpdown). Once acid was on formation continued on schedule. Started on 100 mesh at rate of 42.5 bpm @ 5890 psi. Stage #28 Frac

7,308'	to	7,505'			
Max Psi	6,390	Max Rate	45.6	Avg Psi	5,431 Avg Rate 44.4
Total Clean Fluid			9,833	Production Water	3,368 34.3% Of Total Clean
Total Proppant			479,280	Max Prop Con.	2.50
ISIP	2775	Frac Grad.	0.82		

Stage #29 Perforating

Perforate w/ 3 1/8" 3 SPF 120? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.0	Max Psi	4,090
Spot Acid Bbls.	36	Pump Down Fluid	200
Set Plug @	7,272'	Test Plug to	4,390 Psi
Perf Cluster #1	7,248'		
Break Down	4,090	Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	7,049' to	7,248'	

POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API WIRELINE # 109
API LUBRICATOR # 264

Stage #29 Frac

7,049'	to	7,248'			
Max Psi	6,120	Max Rate	45.5	Avg Psi	4,477 Avg Rate 42.9
Total Clean Fluid			9,257	Production Water	400 4.3% Of Total Clean
Total Proppant			478,250	Max Prop Con.	2.50
ISIP	3200	Frac Grad.	0.88		

WELL TOTALS:

100 MESH 6,781,176 #S

40/70 6,475,921 #S

WATER 275,746 BBLS

ACID 68,502 GALS (1,631 BBLS)

FUEL CLEAR 12,977 GALS

RED 50,849 GALS

FRAC PLUGS 29 (INCLUDING 1 MISS RUN PLUGS)

BRIDGE PLUGS 2 (1ST STAGE)

RIH with 10K Bridge plug and set @ 6600. Neg test OK RD Pumpco,

API and all equipment and move to new location. WSI No Accidents Reported



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/4/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	DEE WIMBERLY	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/04/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :24 MW : VISC :
 DAILY: DC: \$0 CC :\$9,555 TC : \$9,555 CUM : DC : \$1,593,667 CC : \$3,885,584 TC : \$5,479,251
 FORMATION: PBD : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: MIRU,SET EQUIP. RACK 27/8 PH6 W/S,ND. FLANG,NU. STACK ,TEST START IN THE

DAILY DETAILS : No Activity Held Safety Meeting,MIRU,Set Equip.,Put 27/8 PH6ND.Flang,NU. Stack, RU.,Plug Catcher, Manifold , RU. Floor,Tongs,& waited on water SDFL Test Stack to 1700 PSI,OK,Nabors Safety Man Showed up had Meeting,No Accidents or Incidents Reported, SDFN No Activity



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/5/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		DEE WIMBERLY		LAST CSG :		5.500		SHOE MD/TVD:		14,305 / 6,929	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:		10/7/2012		1ST SALES :			

REPORT DATE: 12/05/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :25 MW : VISC :
 DAILY: DC: \$0 CC :\$43,239 TC : \$43,239 CUM : DC : \$1,593,667 CC : \$3,928,823 TC : \$5,522,490
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: TIH W/ 43/4 BIT,X-OVER,2-STRING FLOATS,& 27/8PH6 W/S,DRILL CAP PLUG &DRILL CBPS

DAILY DETAILS : No Activity Held Safety Meeting,hyro. hose busted, Replaced put hydro. fl. in rig Picked up 43/4 Seal Bearing Bit,X-Over Sub, 2 String Floats, 2jts. 27/8 PH6 W/S,4' marker Sub,& 210 jts. Tagged @ 6600' RU. 3.5 Power Swivel,Put rig on 4 lines , Drill Cap Plug & #1 Thur #8 Washed to #9,Circ. Well Over Night,Flowback Report Below
 Well Name : UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 100 psi
 Choke : 0/64th in
 Oil in last hour : 0 bbls
 Oil in last 24 hours : 0 bbls
 Water in last hour : 25 bbls
 Water in last 24 Hours : 650 bbls
 Gas last hour : mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 650.00 bbls
 % Load Water Recovered : 0.33 %
 Chlorides : 59260 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity : CIRCULATE Well Over Night W/2Sweeps,No Accidents or Incidents Reported



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/6/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/06/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :26 MW : VISC :
 DAILY: DC: \$0 CC :\$25,452 TC : \$25,452 CUM : DC : \$1,593,667 CC : \$3,954,275 TC : \$5,547,942
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: CONT. D/O CFPS

DAILY DETAILS : WELL ON FLOW BACK & CIRCLULATION OVER NIGHT CREW SAFETY MEETING CONT D/O CFPS 9- 22 W/D @ # 23 OF 29
 PUMP MF-55 SWEEP AFTER EVERY PLUG WELL HAS MODERATE / HEAVEY SAND IN RETURNS FLOW BACK & CIRCLULATE
 WELL OVER NIGHT W/ FLOW BACK CREW SUPERVISION ROTATE PIPE 10 MIN. EVERY HR. PUMP SWEEP @ 12:00& 5:00 A:M
 FUEL USAGE = RIG 75 GAL. PUMP 300=325 NO ACCIDENTS REPORTED

Well Name : UNIVERSITY 40 #1412H

Tubing Pressure : psi
 Casing Pressure : 100 psi
 Choke : 0/64th in
 Oil in last hour : 0 bbls
 Oil in last 24 hours : 0 bbls
 Water in last hour : 48 bbls
 Water in last 24 Hours : 1170 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 1820.00 bbls
 % Load Water Recovered : 0.92 %
 Chlorides : 59260 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/7/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. :	1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/07/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :27 MW : VISC :
 DAILY: DC: \$0 CC :\$31,983 TC : \$31,983 CUM : DC : \$1,593,667 CC : \$3,986,258 TC : \$5,579,925
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: FLOW BACK

DAILY DETAILS : WELL ON FLOW BACK @ 100 PSI CSG. W/ 48 BPH FLOW BACK RATE CREW SAFETY MEETING CONT. D/O CFPS 23-28 W/D @ 29 OF 29 (NO DRILL) PBDT @ 14,296' WELL HAD MODERATE SAND IN RETURNS CIRCULATE 320 BBLS CLEAN F/W & VISMATER SWEEP , WELL RETURNS CLEAN
 CREW BREAK FOR LUNCH WHILE CIRCULATING & PREPARE TO POOH W/ PIPE POOH W/ 241 JTS 2-7/8" PH-6 W/S @ 40 deg.210 JTS IN HOLE (BIT @ 6,600') INSTALL TIW VAVLE IN TBG. CLOSE IN , CLOSE PIPE RAMS SET SLIPS , WELL WILL BE ON FLOW BACK FOR NEXT FEW DAYS. FUEL USAGE = RIG = 80 GAL. PUMP 225 GAL = 305 GAL DIESEL
 NO ACCIDENTS REPORTED Well Name : UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 200 psi
 Choke : 0/64th in
 Oil in last hour : 0 bbls
 Oil in last 24 hours : 0 bbls
 Water in last hour : 130 bbls
 Water in last 24 Hours : 3120 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 4740.00 bbls
 % Load Water Recovered : 2.39 %
 Chlorides : 53333 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/10/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/08/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :28	MW :	VISC :
DAILY: DC: \$0	CC :\$28,219	TC : \$28,219	CUM : DC: \$1,593,667	CC : \$4,014,477	TC :	\$5,608,144
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME: WELL ON FLOW BACK						

DAILY DETAILS : Well Name : UNIVERSITY 40 #1412H

Tubing Pressure : psi
 Casing Pressure : 150 psi
 Choke : 0/64th in
 Oil in last hour : 0 bbls
 Oil in last 24 hours : 0 bbls
 Water in last hour : 140 bbls
 Water in last 24 Hours : 3360 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 8100.00 bbls
 % Load Water Recovered : 4.08 %
 Chlorides : 53333 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :

REPORT DATE: 12/09/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :29	MW :	VISC :
DAILY: DC: \$0	CC :\$28,219	TC : \$28,219	CUM : DC: \$1,593,667	CC : \$4,042,696	TC :	\$5,636,363
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME: WELL ON FLOW BACK						

DAILY DETAILS : WELL ON 24 HR FLOW BACK

Well Name :

UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 200 psi
 Choke : 0/64th in
 Oil in last hour : 49 bbls
 Oil in last 24 hours : 1170 bbls
 Water in last hour : 110 bbls
 Water in last 24 Hours : 2640 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 10740.00 bbls
 % Load Water Recovered : 5.41 %
 Chlorides : 53333 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/10/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :
PROPERTY # :	071711	WI % :	75	NRI % :
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :

REPORT DATE: 12/10/2012	MD :14320	TVD :6929	PROGRESS : 0	DAYS :30	MW :	VISC :
DAILY: DC: \$0	CC :\$32,765	TC : \$32,765	CUM : DC : \$1,593,667	CC : \$4,075,461	TC :	\$5,669,128
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME:	24 HR FLOW BACK					

DAILY DETAILS : 24 HR FLOW BACK

Well Name :

UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 200 psi
 Choke : 0/64th in
 Oil in last hour : 29 bbls
 Oil in last 24 hours : 690 bbls
 Water in last hour : 105 bbls
 Water in last 24 Hours : 2520 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 13260.00 bbls
 % Load Water Recovered : 6.68 %
 Chlorides : 29260 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/11/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,332 / 6,923
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :	
PROPERTY # :	071711	WI % :	75	NRI % :	55.5
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :	\$1,779,350 CWC : \$3,424,400
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	14,305 / 6,929
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :	

REPORT DATE: 12/11/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :31 MW : VISC :
 DAILY: DC: \$0 CC :\$32,765 TC : \$32,765 CUM : DC : \$1,593,667 CC : \$4,108,226 TC : \$5,701,893
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: KILL WELL POOH W/ REMAINING PIPE RIH / PK & GLVS RDMOL TURN WELL OVER TO PROD

DAILY DETAILS : 24 HR FLOW BACK

Well Name :

UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 200 psi
 Choke : 0/64th in
 Oil in last hour : 33 bbls
 Oil in last 24 hours : 780 bbls
 Water in last hour : 105 bbls
 Water in last 24 Hours : 2520 bbls
 Gas last hour : 0 mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 15660.00 bbls
 % Load Water Recovered : 7.89 %
 Chlorides : 29260 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/12/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :		UNIVERSITY 40 #1412H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,332 / 6,923	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41579		TAX/CREDIT :			
PROPERTY # :		071711		WI % :		75		NRI % :		55.5	
AFE# :		105326		AFE TOTAL :		\$5,203,750		DHC :		\$1,779,350 CWC : \$3,424,400	
REPORTED BY:		JOHN DAGENHART		LAST CSG :		5.500		SHOE MD/TVD:		14,305 / 6,929	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		125 FNL 1400 FEL X: 1733983 Y: 512882						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		9/30/2012		RIG RELEASE:		10/7/2012		1ST SALES :			

REPORT DATE: 12/12/2012 MD :14320 TVD :6929 PROGRESS : 0 DAYS :32 MW : VISC :
 DAILY: DC: \$0 CC :\$74,501 TC : \$74,501 CUM : DC : \$1,593,667 CC : \$4,182,727 TC : \$5,776,394
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: NO ACTIVIY WELL TURN OVER TO PROD

DAILY DETAILS : WELL ON FLOW BACK W/ 200 PSI CSG. @ 138 BPH FLOW BACK CREW SAFETY MEETING RU NABORS REVERSE PUMP
 PUMP 325 BBLS 10# BRINE KILL WELL , PUMP 1/4 BPM DOWN CSG WHILE TRIPING PIPE TOTAL 500 BBLS 10 # BRINE TO
 RECOVER UNLOAD 216 JTS 2-7/8" J-55 PROD TBG & TALLY PIPE , POOH & LD W/ REMAINING 210 JT 2-7/8" PH-6 W/S & BHA
 RIH W/ 213 JTS J-55 PROD TBG , PK & 9 GLVS EOT @ 7,011.05' , SN @ 7,011.50' , PK @ 6,618' INSTALLED AS FOLLOWS

GAS LIFT INSTALLATION SHEET

Company: EOG Resources
 Lease: University 40
 Well No. : #1412
 Field: Barnyard

INTERNATIONAL LIFT SYSTEMS
 Date Installed: 12/11/2012

Tubing	Casing	Liner
Size: 2 7/8"	Size: 5.5"	O.D.:
Thread: 8rd	Weight: 17# P-110	
No. Joints: 213	Perfs: 6,845	Top:

WGT on PKR 13 pts

N/A	Packer	Arrowset - Tubing Set
I.D.:	Make:	Type: 2 7/8" X 5.5"
	Depth:	6618.98

Design Info. Gas Pressure
 Fluid Prod: 200-1500 K.O. 1,000 % H2O: 60%
 Static B.H.P. 3450 Operating: 1,000
 P.I. na Gravity: 0.7
 W.H.B.P. 150

Str. Wgt. 48K	Fluid	Valves
	Type: 1"	
	Fluid Grad.: 0.52 psi/ft	Type Oper. Pressure
	Type Checks: 1"	
	Type Mand.: 2-7/8" x 1" J-55	
	Recon.	

ELEVATION DATA:

		Valve Pressure						
Joints	Spacing	Depth	PTRO	PSO	PSC	Port	Misc Data	
KB	27.00	27.00						
52	1693.64	1720.64						
GLV#9	4.10	1724.74	975	1002	952	12 T.C.	Gas Lift Valve	
32	1042.24	2766.98						
GLV#8	4.10	2771.08	960	960	930	12 T.C.	Gas Lift Valve	
19	618.83	3389.91						
GLV #7	4.10	3394.01	945	932	909	12 T.C.	Gas Lift Valve	
16	521.08	3915.09						
GLV #6	4.10	3919.19	930	911	888	12 T.C.	Gas Lift Valve	
15	488.46	4407.65						
GLV #5	4.10	4411.75	915	889	866	12 T.C.	Gas Lift Valve	
15	488.64	4900.39						
GLV #4	4.10	4904.49	900	866	843	12 T.C.	Gas Lift Valve	
15	488.55	5393.04						
GLV #3	4.10	5397.14	885	841	819	12 T.C.	Gas Lift Valve	
16	521.12	5918.26						
GLV #2	4.10	5922.36	875	824	798	12 T.C.	Gas Lift Valve	
18	586.12	6508.48						
GLV #1	4.10	6512.58	795	716	698	12 T.C.	Gas Lift Valve	
3	97.75	6610.33						
On/Off	1.45	6611.78				2.31	ON/Off & Stinger	
PKR	7.20	6618.98					2 7/8" X 5.5" AS1X	
12	390.97	7009.95					Tailpipe	
S.N.	1.10	7011.05				2.28	Seating Nipple	
M.S.	0.45	7011.50	EOT				Mule Shoe	

Remarks: T.C. = Tungsten Carbide Ball & Seat
 For: John Dagenhart
 Thanks for the work.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/12/2012

WELL NAME : UNIVERSITY 40 #1412H

WELL NAME :	UNIVERSITY 40 #1412H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41579	TAX/CREDIT :
PROPERTY # :	071711	WI % :	75	NRI % :
AFE# :	105326	AFE TOTAL :	\$5,203,750	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	125 FNL 1400 FEL X: 1733983 Y: 512882	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	9/30/2012	RIG RELEASE:	10/7/2012	1ST SALES :

ND BOP STACK , NU PROD TREE RD WSU NABORS #

227 MOL, CLEAN LOCATION, TURN WELL OVER TO PROD
 FUEL USAGE RIG 70 GAL PUMP 65 GAL = 135 GAL CLEAR DIESEL

Well Name :

UNIVERSITY 40 #1412H
 Tubing Pressure : psi
 Casing Pressure : 0 psi
 Choke : 0/64th in
 Oil in last hour : 0 bbls
 Oil in last 24 hours : 990 bbls
 Water in last hour : 0 bbls
 Water in last 24 Hours : 2880 bbls
 Gas last hour : mcf
 Avg Gas in last 24 hours : mcf
 Load Water : 198515 bbls
 Load Water Recovered : 16140.00 bbls
 % Load Water Recovered : 8.13 %
 Chlorides : 0 ppm
 Proppant : gal/hr
 H2S : 0 ppm
 CO2 : mole %
 Oil Gravity :

NO ACCIDENTS REPORTED NO ACTIVITY