



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/4/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :
PROPERTY # :	071641	WI % :	53.797	NRI % :
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :
REPORTED BY:	MIKE CARTER	LAST CSG :	9.625	SHOE MD/TVD:
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :		RIG RELEASE:		1ST SALES :

REPORT DATE: 10/20/2012 MD :570 TVD :0 PROGRESS : 562 DAYS : MW :8.4 VISC : 29
 DAILY: DC: \$135,899 CC :\$0 TC : \$135,899 CUM : DC : \$135,899 CC : \$0 TC : \$135,899
 FORMATION: PBDT : PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING SURFACE

DAILY DETAILS : DRILL FROM SURFACE TO 562 FT., POOH ,- TEXAS PATERN SHOE, 1 JOINT 9 5/8" 40 PPF, J-55, LT&C CASING, COLLAR, 14 JOINTS 9 5/8" 40 PPF, J-55, LT&C CASING. TOTAL CASING RAN = 570 WASHED DOWN F/ 540 TO 562 SET @ 562 CENTRALIXER MIDDLE OF FIRST JOINT EVERY OTHER JOINT TOTAL 5 CENTRILORS. RR JOB # 11716 INSTALL RISING STAR CEMENT HEAD, TEST LINES TO 1500 PSI, PUMP 20 BBL FRESH WATER SPACER, MIX & PUMP 200 SX LEAD, CLASS C +4%GEL+ 2%CACL+3# STAR SEAL+.25% R-38, CEMENT 13.60 PPG ,YIELD 1.21 MIXED WITH 9.36 GAL FRESH WATER. MIDDLE MIX AND PUMP 100 SACKS OF C +.7% C-43+.25% R-38+3% SALT, 14.20 PPG YIELD 1.77 MIXED WITH 7.30 GAL FRESH WATER, TAIL CEMENT MIX AND PUMP 200 SACKS CLASS C +4% GEL+2% CACL2 +.25% R-38, 13.6, 1.21 YLD, 9.36 GAL H2O P/SK, DISPLACED WITH RIG PUMP 39 BBL FRESH WATER @ 3 BPM, PUMPED @ 14:05 & 325 PSI. BUMPED PLUG @ 14:05 HRS, SHUT WELL IN. R.R. COM JOB # 11716 , FULL RETURNS . 60 BBLS OR 278 SACKS TO SURFACE WAIT FOUR HOURS CUT OFF CASING AND RIG DOW RIG AND MAKE READY TO MOVE

REPORT DATE: 12/04/2012 MD :570 TVD :0 PROGRESS : 0 DAYS : MW : VISC :
 DAILY: DC: \$69,995 CC :\$0 TC : \$69,995 CUM : DC : \$205,894 CC : \$0 TC : \$205,894
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: WAITING ON DAYLIGHT

DAILY DETAILS : WAIT ON DAYLIGHT MOVE H&P 434 F/HARPER A #1H T/UNIVERSITY 09 B #1103H (75% MOVED,20% SET,0% RIGGED UP)
 WAIT ON DAYLIGHT
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON MOVING RIG TO NEW LOCATION
 FUEL USED 0 GAL



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/5/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG :	9.625	SHOE MD/TVD:	562 / 562
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :		RIG RELEASE:		1ST SALES :	

REPORT DATE: 12/05/2012 MD :570 TVD :0 PROGRESS : 0 DAYS : MW : VISC :
 DAILY: DC: \$60,690 CC :\$0 TC : \$60,690 CUM : DC : \$266,584 CC : \$0 TC : \$266,584
 FORMATION: PBD : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DOWN WAITING ON DAYLIGHT

DAILY DETAILS : WAIT ON DAYLIGHT FINISH MOVING H&P 434 TO NEW LOCATION,SPOT & R/U SAME (100% MOVED,100% SPOTTED & 40% R/U) HELD QUARTERY SAFETY MEETING W/EOG REPS.,H&P CREWS & 3RD PARTY VENDORS CONTINUE R/U H&P 434 ON UNIVERSITY 09 B #1103H (100% MOVED,100% SET,60% RIGGED UP) DOWN WAITING ON DAYLIGHT
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON R/U ON NEW LOCATION
 FUEL USED 0 GAL



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/6/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG :	9.625	SHOE MD/TVD:	562 / 562
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :		RIG RELEASE:		1ST SALES :	

REPORT DATE: 12/06/2012 MD :570 TVD :0 PROGRESS : 0 DAYS : MW :9.0 VISC : 71
 DAILY: DC: \$262,484 CC :\$0 TC : \$262,484 CUM : DC : \$529,068 CC : \$0 TC : \$529,068
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: TESTING BOP'S

DAILY DETAILS : DOWN WAITING ON DAYLIGHT R/U & PREPARE H&P 434 FOR SPUD IN OPERATIONS 100% R/U PERFORM PRE-SPUD
 INSPECTION & MAKE CORRECTIONS AS NEEDED N/U BOP'S, OPEN UP DOORS ON SAME, INSPECT RUBBER GOODS ON ALL
 RAMS & C/O AS NEEDED (6 MONTHS H&P RAM INSPECTION) BEGIN TESTING BOPS, PIPE RAMS, ANNULAR, KILL
 MANIFOLD, AND MUD LINES TO 250 PSI LOW SIDE TEST AND 3500 PSI HIGH SIDE TEST
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON N/U & TESTING BOP'S
 RIG FUEL USED 387 GAL.
 MUD FUEL USED 0 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/7/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :
PROPERTY # :	071641	WI % :	53.797	NRI % :
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :
REPORTED BY:	FRED GARCIA	LAST CSG :	9.625	SHOE MD/TVD:
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:		1ST SALES :

REPORT DATE: 12/07/2012 MD :2032 TVD :2031 PROGRESS : 1492 DAYS : MW :8.3 VISC : 47
 DAILY: DC: \$61,112 CC :\$0 TC : \$61,112 CUM : DC : \$590,179 CC : \$0 TC : \$590,179
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING STRAIGHT HOLE SECTION @ 2084'

DAILY DETAILS : BEGIN TESTING BOPS, PIPE RAMS, ANNULAR, KILL MANIFOLD, AND MUD LINES TO 250 PSI LOW SIDE TEST AND 3500 PSI HIGH SIDE TEST-TEST CSG. T/1000 PSI. HOLD FOR 30 MIN.-ALL TESTS GOOD R/U KILL LINES,FLOW LINE,F/U LINE & OBM DRIP PANS ON BOP STACK R/D ETS BOP TESTING EQUIPMENT INSTALL WEAR BUSHING SERVICE RIG & C/O DIES ON TOP DRIVE BACK UP WRENCH & MAIN CYL. ON ST-80 P/U & M/U DIRECTIONAL TOOLS,SCRIBE MOTOR,INSTALL MWD TOOL & SURFACE TEST SAME (TROUBLESHOOT MWD TOOL FOR 1 HR./TOOL NOT SYNCHRONIZING) M/U 8.75" NOV BIT &TRIP IN HOLE P/U 5" HWD P F/120' T/XXX' (TAGGED CMT. @ 530') DRILL CEMENT/FLOAT EQUIP. F/530' T/592' WOB=5/7K,GPM=274,RPM=60,DIFF=250 ROT.,WOB=5/8KK,GPM=274,RPM=75,DIFF.=250/300 SURVEY & CONN. @ 717' INC=0 AZI=8.23 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 903' INC=.26 AZI=257.4 C/O SHAKER SCREENS & REAJUST CUTTINGS THROUGH ON SHAKERS (SHAKERS NOT KEEPING UP WITH CUTTINGS) ROT.,WOB=5/7K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 1088' INC=.53 AZI=217.15 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 1275 INC=.35 AZI=170.66 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 1464 INC=.09 AZI=149.21 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 1654 INC=.35 AZI=318.58 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600 SURVEY & CONN. @ 1843 INC=.70 AZI=309.26 ROT.,WOB=7/12K,GPM=548,RPM=100,DIFF.=600
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON SPUD IN WELL
 P/U=120K
 S/O=110K
 ROT.=115K
 TORQUE=6/7K
 30% SANDSTONE 70% SHALE
 LAST SURVEY @ 1843' INC=.70 AZI=309.26
 RIG FUEL USED 770 GAL.
 MUD FUEL USED 4200 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/10/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG : 5.500	SHOE MD/TVD:	17,080 / 7,975
RIG CONTR. :	H&P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:	1ST SALES :	

REPORT DATE: 12/08/2012 MD :5437 TVD :5436 PROGRESS : 3594 DAYS :2 MW :8.6 VISC : 49
 DAILY: DC: \$118,133 CC :\$0 TC : \$118,133 CUM : DC : \$751,322 CC : \$0 TC : \$751,322
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING VERTICAL SECTION @ 5678'

DAILY DETAILS : SURVEY & CONN. @ 2032 INC=1.14 AZI=308.38 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 2222 INC=.79 AZI=324.03 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 2411 INC=.97 AZI=332.9
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 2600 INC=.7 AZI=312.69
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 2789 INC=.79 AZI=315.06
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 2978 INC=1.06 AZI=328.07
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 3167 INC=1.06 AZI=337.39
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 3356 INC=1.06 AZI=345.47
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 3545 INC=1.58 AZI=324.99
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 3734 INC=.62 AZI=2.26
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 RIG SERVICE SURVEY & CONN. @ 3924 INC=1.32 AZI=345.73
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 4113 INC=1.32 AZI=2.08
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 4302 INC=1.41 AZI=17.02
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 4491 INC=1.49 AZI=33.9
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 4680 INC=1.32 AZI=41.55
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 4869 INC=.97 AZI=60.62
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 5058 INC=.79 AZI=42.34
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 5247 INC=.62 AZI=53.94
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500 SURVEY & CONN. @ 5437 INC=.26 AZI=352.06
 ROT.,WOB=20/25K,GPM=575,RPM=80/100,DIFF=500
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON MAKING CONNECTIONS
 P/U=185K
 S/O=175K
 ROT.=180K
 TORQUE=6/9K
 60% LIMESTONE 40% SHALE
 LAST SURVEY @ 5437' INC=.26 AZI=352.06
 RIG FUEL USED 1721 GAL.
 MUD FUEL USED 3323 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/10/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		FRED GARCIA		LAST CSG :		5.500		SHOE MD/TVD:		17,080 / 7,975	
RIG CONTR. :		H&P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102		ULS SVY		KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 12/09/2012 MD :6561 TVD :6560 PROGRESS : 935 DAYS : 3 MW :8.4 VISC : 53
 DAILY: DC: \$90,372 CC :\$0 TC : \$90,372 CUM : DC : \$841,694 CC : \$0 TC : \$841,694
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING AHEAD IN VERTICAL SECTION @ 6613'

DAILY DETAILS : SURVEY & CONN. @ 5626' INC=.97 AZI=34.95 ROT.,WOB=20/30K,GPM=600,RPM=80/100,DIFF=500/600 SURVEY & CONN. @ 5815 INC=1.58 AZI=340.99 ROT.,WOB=20/30K,GPM=600,RPM=80/100,DIFF=500/600 SURVEY & CONN. @ 6004 INC=.79 AZI=35.57 ROT.,WOB=20/30K,GPM=600,RPM=80/100,DIFF=500/600 SURVEY & CONN. @ 6194 INC=.62 AZI=64.05 ROT.,WOB=20/30K,GPM=600,RPM=80/100,DIFF=500/600 SURVEY & CONN. @ 6383 INC=.53 AZI=60.79 ROT.,WOB=20/30K,GPM=600,RPM=80/100,DIFF=500/600 CIRC. B/U FOR BIT TRIP @ 6482' (ROP DECREASED F/180 FT/HR. T/36 FT/HR.,BIT TORQUING UP) TRIP OUT OF HOLE T/C/O BIT F/6482' T/120' RETRIEVE MWD TOOL,B/O BIT,INSTALL MWD TOOL & SURFACE TEST SAME (BIT WAS 3/8" UNDER GUAGE) TRIP IN HOLE F/120' T/665' (HOLE TAKING WEIGHT DUE TO SHALE SWELLING UP,GETTING BACK QUARTER SIZE SHALE WHILE REAMING)) WASH/REAM F/665' T/6482' WOB=5/20K,GPM=235,RPM=65,DIFF=80/100,TORQUE=2/6K CIRC. TO CLEAN OUT HOLE @ 6482' ROT.,WOB=5/20K,GPM=600,RPM=80/100,DIFF=500/600
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON TRIPPING PIPE
 P/U=195K
 S/O=185K
 ROT.=190K
 TORQUE=6/9K
 40% LIMESTONE 30% SANDSTONE 30% SHALE
 LAST SURVEY @ 6651' INC=.35 AZI=83.91
 RIG FUEL USED 1584 GAL.
 MUD FUEL USED 105 GAL.

REPORT DATE: 12/10/2012 MD :7318 TVD :7317 PROGRESS : 777 DAYS : 4 MW :8.5 VISC : 55
 DAILY: DC: \$91,534 CC :\$0 TC : \$91,534 CUM : DC : \$933,228 CC : \$0 TC : \$933,228
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: T.I.H. W/CURVE ASSEMBLY

DAILY DETAILS : SURVEY & CONN. @ 6561' INC=.35 AZI=83.91 ROT. WOB=30,GPM=600,RPM=100,DIFF=600 SURVEY & CONN. @ 6750' INC=.62 AZI=87.6 ROT. WOB=30,GPM=600,RPM=100,DIFF=600 SURVEY & CONN. @ 6940' INC=.62 AZI=74.06 ROT. WOB=30,GPM=600,RPM=100,DIFF=600 SURVEY & CONN. @ 7129' INC=.44 AZI=75.47 SERVICE RIG ROT. WOB=30,GPM=600,RPM=100,DIFF=600 SURVEY & CONN. @ 7318' INC=.62 AZI=102.81 ROT. WOB=30,GPM=600,RPM=100,DIFF=600 PUMP HI VIS SWEEP & CIRC. OUT SAME @ 7390' PUMP SLUG & T.O.O.H. F/7390' T/120' RETRIEVE MWD TOOL & L/D STRAIGHT HOLE ASSEMBLY P/U & M/U CURVE ASSEMBLY,SCRIBE MOTOR,INSTALL MWD TOOL & SURFACE TEST SAME SLIP & CUT DRILL LINE M/U BIT & T.I.H. W/CURVE ASSEMBLY
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON TRIPPING PIPE
 P/U=220K
 S/O=210K
 ROT.=215K
 TORQUE=8/16K
 30% LIMESTONE 70% SHALE
 LAST SURVEY @ 7318' INC=.62 AZI=102.81
 RIG FUEL USED 1675 GAL.
 MUD FUEL USED 1238 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/11/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG : 5.500	SHOE MD/TVD:	17,080 / 7,975
RIG CONTR. :	H&P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:	1ST SALES :	

REPORT DATE: 12/11/2012 MD :8089 TVD :7864 PROGRESS : 775 DAYS :5 MW :8.4 VISC : 56
 DAILY: DC: \$115,128 CC :\$0 TC : \$115,128 CUM : DC : \$1,048,356 CC : \$0 TC : \$1,048,356
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING CURVE SECTION @ 8165'

DAILY DETAILS : T.I.H. W/CURVE ASSEMBLY ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=316M,DIFF=400
 SURVEY & CONN @ 7427' INC=.7 AZI=78.9 SLIDE,WOB=30,GPM=600,TFO=316M,DIFF=400 SURVEY & CONN @ 7459' INC=.97
 AZI=358.04 SLIDE,WOB=30,GPM=600,TFO=316M,DIFF=400 SURVEY & CONN @ 7490' INC=5.36 AZI=328.77
 SLIDE,WOB=30,GPM=600,TFO=30L,DIFF=400 SURVEY & CONN @ 7522' INC=10.46 AZI=329.3
 SLIDE,WOB=30,GPM=600,TFO=30L,DIFF=400 SURVEY & CONN @ 7553' INC=17.23 AZI=330.53
 SLIDE,WOB=30,GPM=600,TFO=40L,DIFF=400 SURVEY & CONN @ 7585' INC=23.21 AZI=230.79
 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY & CONN @ 7616' INC=28.23
 AZI=330.09 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY & CONN @ 7648'
 INC=34.03 AZI=329.65 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @
 7679' INC=38.69 AZI=329.39 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 7711' INC=43.09 AZI=328.33
 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 7742' INC=48.54 AZI=324.73
 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 7774' INC=53.11
 AZI=318.84 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 7805'
 INC=56.37 AZI=316.99 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @
 7837' INC=60.76 AZI=316.2 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SURVEY @ 7868' INC=65.07 AZI=317.26
 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SURVEY @ 7900' INC=66.57 AZI=317.35 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400
 SURVEY @ 7931' INC=67.01 AZI=317.79 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SURVEY @ 7963' INC=66.92 AZI=317.64
 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SURVEY @ 7794' INC=66.74 AZI=316.29 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400
 SURVEY @ 8026' INC=66.13 AZI=316.47 ROT.,WOB=30,GPM=600,RPM=20,DIFF=400 SURVEY @ 8057' INC=65.51 AZI=315.59
 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 8089' INC=65.07 AZI=315.76
 SLIDE,WOB=30,GPM=600,TFO=20L,DIFF=400 SURVEY @ 8120' INC=67.53 AZI=316.64
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON SERVICE TOP DRIVE
 P/U=180K
 S/O=140K
 ROT.=160K
 TORQUE=8/12K
 30% LIMESTONE 70% SHALE
 LAST SURVEY @ 8089' INC=65.07 AZI=315.76 TVD=7864 111' ATL 28' RTL
 RIG FUEL USED 1892 GAL.
 MUD FUEL USED 1547 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:		1ST SALES :	

REPORT DATE: 12/12/2012 MD :8591 TVD :7952 PROGRESS : 433 DAYS :6 MW :8.5 VISC : 58
 DAILY: DC: \$99,492 CC :\$0 TC : \$99,492 CUM : DC : \$1,137,948 CC : \$0 TC : \$1,137,948
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING LATERAL SECTION @ 8703'

DAILY DETAILS : SLIDE,WOB=45,GPM=600,TFO=30R,DIFF=200 SURVEY @ 8152' INC=72.72 AZI=318.14
 SLIDE,WOB=45,GPM=600,TFO=30R,DIFF=200 SURVEY @ 8183' INC=75.71 AZI=322.71
 SLIDE,WOB=45,GPM=600,TFO=30R,DIFF=200 SURVEY @ 8215' INC=78.17 AZI=329.56 PUMP HI-VIS SWEEP & CIRC. OUT SAME
 @ 8260' PUMP SLUG & T.O.O.H. W/CURVE ASSEMBLY RETRIEVE MWD TOOL,BREAK BIT & L/D MUD MOTOR, P/U & M/U NEW
 MUD MOTOR,SCRIBE SAME,INSTALL MWD TOOL & SURFACE TEST SAME M/U BIT & T.I.H. W/LATERAL ASSEMBLY F/101'
 T/810' (HOLE TIGHT @ 810') WASH/REAM F/810' T/2418' (HOLE TAKING 10/60K WITH PUMPS OFF/NO WEIGHT WITH PUMPS
 ON) T.I.H. F/2418' T/8260' (NO DRAG T.I.H.) REMOVE TRIP NIPPLE & INSTALL ROT. HEAD RUBBER
 ROT.,WOB=35,GPM=600,RPM=25,DIFF=600 SURVEY @ 8307' INC=83.19 AZI=336.59 TROUBLESHOOT MWD TOOL (INCORECT
 LOGGING DEPTH) ROT.,WOB=35,GPM=600,RPM=25,DIFF=600 SURVEY @ 8401' INC=82.66 AZI=336.86
 SLIDE,WOB=45,GPM=600,TFO=0,DIFF=300 ROT.,WOB=35,GPM=600,RPM=25,DIFF=600 SURVEY @ 8496' INC=83.36 AZI=335.19
 SLIDE,WOB=45,GPM=600,TFO=0,DIFF=300 ROT.,WOB=35,GPM=600,RPM=25,DIFF=600 SURVEY @ 8591' INC=84.77 AZI=333.25
 SLIDE,WOB=45,GPM=600,TFO=0,DIFF=300
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON C/O BHA
 P/U=195K
 S/O=165K
 ROT.=180K
 TORQUE=8/12K
 30% LIMESTONE 70% SHALE
 LAST SURVEY @ 8591' INC=84.77 AZI=333.25 TVD=7952 7' ATL 105' RTL
 RIG FUEL USED 1468 GAL.
 MUD FUEL USED 478 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG : 5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H&P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:	1ST SALES :	

REPORT DATE: 12/13/2012 MD :12165 TVD :7953 PROGRESS : 3609 DAYS : 7 MW :8.5 VISC : 55
 DAILY: DC: \$98,883 CC :\$0 TC : \$98,883 CUM : DC : \$1,236,831 CC : \$0 TC : \$1,236,831
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING LATERAL SECTION @ 12312'

DAILY DETAILS : ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 8685' INC=88.9 AZI=333.69 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 8780 INC=89.52 AZI=334.05 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 8874' INC=89.52 AZI=335.19 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 8969' INC=89.6 AZI=338.18 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9063' INC=89.43 AZI=341.69 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9158' INC=89.96 AZI=341.52 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9253' INC=88.2 AZI=343.36 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9347' INC=87.93 AZI=347.76 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9442' INC=91.89 AZI=351.71 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9536' INC=90.75 AZI=353.03 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9631' INC=91.19 AZI=355.58 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9724' INC=88.2 AZI=358.13 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9817' INC=88.99 AZI=15 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 9909' INC=88.55 AZI=359.36 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10001' INC=90.75 INC=359.45 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10094' INC=89.34 AZI=356.02 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10188' INC=92.24 AZI=359.18 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10281' INC=91.54 AZI=359.45 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10374' INC=91.19 AZI=1.82 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10467' INC=91.36 AZI=1.2 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10559' INC=89.78 AZI=.50 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10652' INC=90.13 AZI=.68 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10745' INC=89.96 AZI=358.57 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10839' INC=89.87 AZI=357.51 C/O ROT. HEAD RUBBER SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 10934' INC=90.48 AZI=4.46 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11029' INC=90.75 AZI=4.63 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11123' INC=90.22 AZI=4.54 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11218' INC=89.6 AZI=2.17 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11407' INC=90.13 AZI=2.79 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11502' INC=90.04 AZI=2.52 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11692' INC=90.4 AZI=2.96 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11786' INC=89.08 AZI=2.79 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11881' INC=90.92 AZI=1.56 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 11976' INC=91.1 AZI=.41 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12070' INC=89.16 AZI=.41 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12165' INC=90.22 AZI=1.03 SLIDE,WOB=45,GPM=600,TFO=90R,DIFF=600 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12260' INC=89.52 AZI=1.73
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON MAKING CONNECTIONS
 P/U=195K
 S/O=165K
 ROT.=180K
 TORQUE=8/12K
 20% LIMESTONE 80% SHALE
 LAST SURVEY @ 12165' INC=90.22 AZI=1.03 TVD=7953 7' ATL 21' RTL
 RIG FUEL USED 2107 GAL.
 MUD FUEL USED 2080 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG : 5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H&P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:	1ST SALES :	

REPORT DATE: 12/14/2012 MD :15382 TVD :7957 PROGRESS : 3122 DAYS : 8 MW :8.4 VISC : 54
 DAILY: DC: \$97,474 CC :\$0 TC : \$97,474 CUM : DC : \$1,334,304 CC : \$0 TC : \$1,334,304
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DRILLING LATERAL SECTION @ 15434'

DAILY DETAILS : ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12354' INC=92.24 AZI=4.81
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12449' INC=89.16
 AZI=3.49 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12543' INC=88.81 AZI=2.61
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12638' INC=89.52 AZI=1.82 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 12733' INC=90.48 AZI=.06 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 12827' INC=88.99 AZI=1.99 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 12922' INC=90.84 AZI=3.93
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13016' INC=90.04
 AZI=3.05 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13111' INC=88.2
 AZI=2.87 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13206' INC=87.85 AZI=2.43
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13300' INC=88.99
 AZI=359.18 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13395' INC=90.48 AZI=1.2
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13490' INC=91.1 AZI=359.18 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 13584' INC=92.42 AZI=358.92 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13679' INC=91.1 AZI=.94 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 13774' INC=91.19 AZI=358.92 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13868' INC=88.46 AZI=357.78
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 13963' INC=88.11 AZI=.50
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14058' INC=91.1 AZI=3.93 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14152' INC=90.04 AZI=1.38 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 14247' INC=90.4 AZI=1.99 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14342' INC=90.31 AZI=358.83
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14436' INC=89.87 AZI=355.31
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14531' INC=90.66 AZI=353.91
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14626' INC=89.08
 AZI=355.14 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14720'
 INC=90.66 AZI=358.92 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @
 14815' INC=92.33 AZI=359.71 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 14909' INC=90.66 AZI=1.56
 SLIDE,WOB=30,GPM=600,TFO=120L,DIFF=300 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15004' INC=89.25
 INC=3.66 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15098' INC=89.08 AZI=2.96
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15193' INC=88.2 AZI=2.87 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 15287' INC=88.29 AZI=2.43 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15382' INC=89.96 AZI=4.72
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON FORKLIFT OPERATIONS
 P/U=200K
 S/O=170K
 ROT.=185K
 TORQUE=8/12K
 100% SHALE
 LAST SURVEY @ 15382' INC=89.96 AZI=4.72 TVD=7957' DLS=2.98 2' ATL 7' RTL
 DAILY RIG FUEL USED 2107 GAL.
 DAILY MUD FUEL USED 2128 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		FRED GARCIA		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H&P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102		ULS SVY		KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 12/15/2012 MD :16858 TVD :7963 PROGRESS : 1476 DAYS :9 MW :8.5 VISC : 51
 DAILY: DC: \$101,975 CC :\$0 TC : \$101,975 CUM : DC : \$1,436,279 CC : \$0 TC : \$1,436,279
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: T.O.O.H. L/D 5" DRILL PIPE

DAILY DETAILS : SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15476' INC=91.36 AZI=3.31
 SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15571' INC=89.25 AZI=3.4
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15666' INC=90.22 AZI=5.25 REPAIR ELECTRICAL WIRES ON SERVICE
 ARM FOR TOP DRIVE SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @
 15760' INC=90.66 AZI=3.31 SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @
 15855' INC=87.85 AZI=1.29 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 15949' INC=88.29 AZI=.41
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16044' INC=88.29 AZI=1.73 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 16139' INC=87.76 AZI=.76 SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 16233' INC=88.37 AZI=.59 SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 16328' INC=89.69 AZI=1.2 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16422' INC=91.45 AZI=.76
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16517' INC=91.98 AZI=.85 SLIDE,WOB=30,GPM=600,TFO=90L,DIFF=200
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16612' INC=91.45 AZI=357.42
 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16706' INC=90.31 AZI=355.4 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600
 SURVEY @ 16801' INC=89.78 AZI=351.36 ROT.,WOB=30,GPM=600,RPM=75,DIFF=600 SURVEY @ 16858' INC=90.48 AZI=352.68
 PUMP 2 HI-VIS SWEEPS & CIRC. OUT SAME @ 16910' WHILE WORKING PIPE THROUGH CIRC. CYCLE T.O.O.H. L/D 5" DRILL
 PIPE
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON L/D DRILL PIPE
 P/U=245K
 S/O=205K
 ROT.=225K
 TORQUE=8/16K
 90% SHALE 10% LIMESTONE
 LAST SURVEY @ 16858' INC=90.48 AZI=352.68 TVD=7963' VS=9046 DLS=2.62 5' BTL 2' LTL
 DAILY RIG FUEL USED 2035 GAL.
 DAILY MUD FUEL USED 1305 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H&P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	12/6/2012	RIG RELEASE:		1ST SALES :	

REPORT DATE: 12/16/2012 MD :16858 TVD :7963 PROGRESS : 0 DAYS :10 MW :8.6 VISC : 54
 DAILY: DC: \$86,570 CC :\$0 TC : \$86,570 CUM : DC : \$1,522,849 CC : \$0 TC : \$1,522,849
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: RUNNING 5.5" CSG. @ 11986'

DAILY DETAILS : T.O.O.H. L/D 5" D.P. RETRIEVE MWD TOOL,BREAK BIT & L/D DIRECTIONAL TOOLS PULL WEAR BUSHING S/M W/EXPRESS
 CSG. CREW & R/U SAME S/M W/EXPRESS CSG. CREW & RUN 5 1/2 " CASING TO 11986', TOTAL CASING RAN = 1 DAVIS
 LYNCH 5 1/2 " FLOAT SHOE. 5 1/2 " FLOAT COLLAR & 202 JOINTS 5 1/2 17 PPF, HC/P 110 CASING. 1 DAVIS LYNCH
 FLOATATION COLLAR, 15 JOINTS 5 1/2 ' 17 PPF, HC/P110 CASING MARKER JOINTS & 63 JOINTS 5 1/2 17 PPF, HC/P110.
 CASING RAN 5 1/2" X 8 1/4" TURBULATORS ON EVERY OTHER JOINT FROM # 46 THROUGH JOINT # 209 FOR A TOTAL OF 82
 TURBULATORS, RAN DAVIS LYNCH BOW SPRING CENTRALIZERS ON EVERY 5 TH JOINT 5356' TO 486'
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON RUNNING CSG.
 P/U=110K
 S/O=100K
 ST. WT.=105
 TORQUE=0K
 90% SHALE 10% LIMESTONE
 LAST SURVEY @ 16858' INC=90.48 AZI=352.68 TVD=7963' VS=9046 DLS=2.62 5' BTL 2' LTL
 DAILY RIG FUEL USED 1289 GAL.
 DAILY MUD FUEL USED 0 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/17/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		FRED GARCIA		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H&P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:				1ST SALES :			

REPORT DATE: 12/17/2012 MD :16858 TVD :7963 PROGRESS : 0 DAYS :11 MW : VISC :
 DAILY: DC: \$593,728 CC :\$0 TC : \$593,728 CUM : DC : \$2,116,578 CC : \$0 TC : \$2,116,578
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: TESTING STUDDERED WELL CAP FLANGE TO 5,000 PSI.

DAILY DETAILS : S/M W/EXPRESS CSG. CREW & RUN 5 1/2 " CASING TO 16895' , TOTAL CASING RAN = 1 DAVIS LYNCH 5 1/2 " FLOAT SHOE. 5 1/2 " FLOAT COLLAR & 202 JOINTS 5 1/2 17 PPF, HC/P 110 CASING. 1 DAVIS LYNCH FLOATATION COLLAR, 15 JOINTS 5 1/2 ' 17 PPF, HC/P110 CASING MARKER JOINTS & 167 JOINTS 5 1/2 17 PPF, HC/P110.
 CASING RAN 5 1/2" X 8 1/4" TURBULATORS ON EVERY OTHER JOINT FROM # 46 THROUGH JOINT # 209 FOR A TOTAL OF 82 TURBULATORS, RAN DAVIS LYNCH BOW SPRING CENTRALIZERS ON EVERY 5 TH JOINT 5356' TO 486' C/O CSG.
 ELEVATORS,HELD S/M W/HALLIBURTON & R/U CMT. CIRC. EQUIPMENT PRESSURE UP ON CASING TO 2750 PSI, SHEAR FLOATATION COLLAR ,DISPLACE AIR FROM CASING,PUMP 50 BBL SPACER OF 9.2 PPG BRINE WATER & 25 GLS. OF MU-SOL,FILL CSG. W/10 PPG BRINE WATER,DISPLACE 1654 BBLS OF 8.6 PPG OIL BASE MUD& CIRCULATE 1.5 TIMES OF CASING VOLUME PUMP INJECTOR PLUG & RUPTURE SAME @ 3400 PSI. HOLD SAFETY MEETING W/HALLIBURTON & DAVIS LYNCH REP. & TEST LINE TO 7000 PSI, MIX AND PUMP 1060 SX /475 BBLS. LEAD CEMENT ECONO CEM H+ 0.15% WG-SA-1015 + 0.25 IBM/SX D-AIR 5000 + 0.7% HR-601, + @ 11.5 PPG, YIELD 2.52, MIXED WITH 14.85 GAL , FRESH WATER PER SACK PUMP @ 8 .0 BPM MIX AND PUMP TAIL CEMENT 2400 SX/564 BBLS. VERSACEM H + 0.7% HALAD 23 + 0.2% CFR-3 +0.1% FWCA + 5% KCL + 5 PPS MICROBOND + 0. 4% HR 601.@ 14.4 YIELD 1.32, MIX WITH 5.76 GAL WITH FRESH WATER PER SACK PUMP @ 7.0 BPM, DROP TOP PLUG & DISPLACE WITH 392 BBL FRESH WATER @ 8 BPM WITH 2650 MAX PSI SLOW PUMPS TO 4 BBL LAST 15 BBL BUMP PLUG @ 20:45 HRS WITH 3150 PSI PRESSURE UP TO 4300 PSI TO RUPTURE PLUG & PUMP ADDITIONAL 10 BBL SUGAR WATER THROUGH SHOE,LOST ALL RETURNS AFTER PUMPING 82 BBLS. OF LEAD CMT @ 5.0 BPM, 65% RETURNS COMING BACK AFTER 118 BBLS LEAD CMT PUMPED,100% RETURNS AFTER PUMPING 424 BBLS. LEAD CMT.,DROPPED PLUG & MAINTAINED 50% RETURNS THROUGH OUT DISPLACEMENT OF 392 BBLS.,0 BBLS. CMT. BACK TO SURFACE RIG DOWN HALLIBURTON, WASH THRU BOP'S, NIPPLE DOWN FLOW LINE & RIG UP ETS NIPPLE DOWN BOP'S WHILE WAIT ON CMT. PLUG DOWN AT 20:45 HRS. 12-16-12, PICK UP BOP'S AND SET SLIPS ON 5 1/2 CASING WITH 100K ON SLIPS, OPENED UP VALVES ON CMT. HEAD,CUT OFF LANDING JT.,L/D SAME,SECURE BOP ON BOP CARRIER, INSTALL CAMERON 7 1/16' 10M X 11' 5KLB STUDDERED WELL CAP FLANGE & TEST SAME T/5000 PSI.
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON CEMENT OPERATIONS
 P/U=125K
 S/O=110K
 CSG. ST. WT.=120K
 TORQUE=0K
 90% SHALE 10% LIMESTONE
 TOTAL OIL BASE RECOVERED FROM DISPLACEMENT=1886 BBLS
 ESTIMATED MUD FUEL COST=\$107,559.64
 TOTAL MUD FUEL USED=28,350 GLS.
 DAILY RIG FUEL USED 987 GAL.
 DAILY MUD FUEL USED 0 GAL.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 12/18/2012

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	FRED GARCIA	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 12/18/2012 MD :16858 TVD :7963 PROGRESS : 0 DAYS :12 MW : VISC :
 DAILY: DC: \$31,988 CC :\$0 TC : \$31,988 CUM : DC : \$2,148,566 CC : \$0 TC : \$2,148,566
 FORMATION: PBD : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: DOWN WAITING ON DAYLIGHT

DAILY DETAILS : JET OUT & CLEAN MUD PITS (RIG RELEASED @ 10:00 HRS. ON 12/17/12) R/D & PREPARE H&P 434 TO SKID F/UNIVERSITY 09 B #1103H T/UNIVERSITY 09 B #1102H (100% R/D) DOWN WAITING ON DAYLIGHT
 ALL CREWS FULL
 NO ACCIDENTS REPORTED
 SAFETY MEETING ON R/D H&P 434
 TOTAL OIL BASE RECOVERED FROM DISPLACEMENT=1886 BBLS
 ESTIMATED MUD FUEL COST=\$107,559.64
 TOTAL MUD FUEL USED=28,350 GLS.
 DAILY RIG FUEL USED 582 GAL.
 DAILY MUD FUEL USED 0 GAL.
 FINAL REPORT



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 1/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	SAUTNER/VALLIANT	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY		KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 01/25/2013 MD :16858 TVD :7963 PROGRESS : DAYS :13 MW : VISC :
 DAILY: DC: \$0 CC :\$6,300 TC : \$6,300 CUM : DC : \$2,148,566 CC : \$6,300 TC : \$2,154,866
 FORMATION: PBTD : 0 PERF : PKR.DPTH:
 ACTIVITY AT REPORT TIME: WELL SHUT IN AND SECURED.

DAILY DETAILS : RU PRO. RUN GR/CCL LOGS. RU CUDD. LOAD HOLE. FORMATION BROKE 2 BPM @ 2485 PSI. INCREASE RATE TO 11.8 BPM @ 2660 PSI. PUMPED 100 BBLS 2% KCL WATER. ISIP 2530 PSI. SHUT WELL IN AND SECURE.
 CURRENT ACTIVITY: WELL SHUT IN READY FOR FRAC OPERATIONS.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/18/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		DAVIS/THOMPSON/ROCHELL/		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

REPORT DATE: 03/17/2013 MD :16858 TVD :7963 PROGRESS : DAYS :14 MW : VISC :
 DAILY: DC: \$0 CC :\$225,631 TC : \$225,631 CUM : DC : \$2,148,566 CC : \$231,931 TC : \$2,380,497
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 CONTRACTOR : PRO-LOG, INC. GUN TYPE : HSC OD : 3.18

TOP DEPTH	BOTTOM DEPTH	DENSITY	PHASE
16625	16626	4	60
16665	16666	4	60
16705	16706	4	60
16745	16746	4	60
16778	16779	4	60

ACTIVITY AT REPORT TIME: Frac Stg 3 of 44

DAILY DETAILS : Frac crew still rigging in a pump, starting equipment and priming up and pressure testing Safety Meeting, Pressure Test Lines To 8,500psi, Install 8,500psi Rupture Discs Pump 4,032gal 15% HCL Acid, Flush acid with 579bbls of clean fluid @ 22.9bpm @ 5,182psi Waiting on acid to finish unloading and to roll acid. Replace blender flowmeters, Replace pump due to no colored inspection bands on the iron, Install whip checks on discharge hoses. Move data van away from the frac lines (was not 35ft away from frac lines) Stage #1 Perforating
 Perforate w/ 3 1/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k . CBP

Pump Down: Max Rate 10.0 Max Psi 5,182
 Spot Acid Bbls. 144 Pump Down Fluid 1,576
 Set Plug @ 16,795' Test Plug to 4,367 Psi
 Perf Cluster #1 16,778'
 Break Down 3,067 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 16,625' to 16,778'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro-Wireline 3471 Stage #1 Frac
 16,625' to 16,778'
 Max Psi 6,385 Max Rate 41.9 Avg Psi 4,759 Avg Rate 41.4
 Total Clean Fluid 9,054 Production Water 0 0.0% Of Total Clean
 Total Proppant 196,700 Max Prop Con. 1.50
 ISIP 1934 Frac Gradient 0.68 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 16.4 Max Psi 3,930
 Spot Acid Bbls. 48 Pump Down Fluid 689
 Set Plug @ 16,600' Test Plug to 4,585 Psi
 Perf Cluster #1 16,585'
 Break Down 2,643 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 16,425' to 16,585'
 POOH with wireline left remaining acid across perfs, All guns confirmed fired
 Stage #2 Frac
 16,425' to 16,585'
 Max Psi 5,941 Max Rate 41.7 Avg Psi 4,447 Avg Rate 41.3
 Total Clean Fluid 8,767 Production Water 0 0.0% Of Total Clean
 Total Proppant 286,260 Max Prop Con. 1.75
 ISIP 2033 Frac Gradient 0.69 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 15.5 Max Psi 6,682
 Spot Acid Bbls. 48 Pump Down Fluid 569
 Set Plug @ 16,402' Test Plug to 4,472 Psi
 Perf Cluster #1 16,385'



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/18/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	DAVIS/THOMPSON/ROCHELL/	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Break Down 6,700 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 16,225' to 16,385'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Start Frac Stg 3.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/18/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	DAVIS/THOMPSON/ROCHELL/	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/18/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :15	MW :	VISC :
DAILY: DC: \$0	CC :\$315,677	TC : \$315,677	CUM : DC: \$2,148,566	CC : \$547,608	TC : \$2,696,174	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : PRO-LOG, INC.		GUN TYPE : HSC		OD : 3.18		

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
16025	16026	4	60
16065	16066	4	60
16105	16106	4	60
16145	16146	4	60
16185	16186	4	60

ACTIVITY AT REPORT TIME: Fracing Stage 8 of 44

DAILY DETAILS : SAFETY MEETING, Pressure test 8650, Rupture disk @ 8500. Pump trips @ 8100-8588. Stage #3 Frac

16,225' to 16,385'					
Max Psi 4,743	Max Rate 41.7	Avg Psi 4,505	Avg Rate 41.2		
Total Clean Fluid 8,486	Production Water 0	0.0%	Of Total Clean		
Total Proppant 290,620	Max Prop Con. 1.75				
ISIP 2180	Frac Gradient 0.71				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 15.0	Max Psi 6,300		
Spot Acid Bbls. 48	Pump Down Fluid 476			
Set Plug @ 16,204'	Test Plug to 4,922	Psi		
Perf Cluster #1 16,185'				
Break Down 5,477	Psi Pump 12 bbls acid into cluster #1			
Perforated Interval 16,025' to 16,185'				

POOH with wireline left remaining acid across perfs, All guns confirmed Fired
Pro Wireline 3471 DOWN TIME: FRAC/ACID/COMPANY (Blender 1520116 unable to read rate, Pulled flow meter found a Rag inside. Cleaned the flow meter out reprimed pumps) Stage #4 Frac

16,025' to 16,185'				
Max Psi 5,500	Max Rate 41.7	Avg Psi 4,496	Avg Rate 41.5	
Total Clean Fluid 6,413	Production Water 0	0.0%	Of Total Clean	
Total Proppant 287,000	Max Prop Con. 2.00			
ISIP 2100	Frac Gradient 0.70			Stage #5 Perforating

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

Pump Down:	Max Rate 15.0	Max Psi 5,610		
Spot Acid Bbls. 48	Pump Down Fluid 479			
Set Plug @ 16,008'	Test Plug to 4,537	Psi		
Perf Cluster #1 15,985'	with 4			
Break Down 5,154	Psi Pump 12 bbls acid into cluster #1			
Perforated Interval 15,825' to 15,985'				

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

Pro Wireline 3471

Stage #5 Frac

15,825' to 16,185'				
Max Psi 5,981	Max Rate 41.9	Avg Psi 4,402	Avg Rate 41.2	
Total Clean Fluid 6,551	Production Water 0	0.0%	Of Total Clean	
Total Proppant 289,160	Max Prop Con. 2.00			
ISIP 2077	Frac Gradient 0.69			



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/18/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		DAVIS/THOMPSON/ROCHELL/		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

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 16.4	Max Psi	6,177
Spot Acid Bbls.	48	Pump Down Fluid	493
Set Plug @	15,800'	Test Plug to	4,509 Psi
Perf Cluster #1	15,780'		
Break Down	7,085 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	15,625' to 15,780'		

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

Pro Wireline 3471

Stage #6 Frac

15,625' to 15,780'				
Max Psi 5,237	Max Rate 42.0	Avg Psi 4,454	Avg Rate 41.9	
Total Clean Fluid 6,603	Production Water 0	0.0%	Of Total Clean	
Total Proppant 291,640	Max Prop Con. 2.00			
ISIP 2112	Frac Gradient 0.70			

Stage #7 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.3	Max Psi	5,117
Spot Acid Bbls.	48	Pump Down Fluid	513
Set Plug @	15,610'	Test Plug to	4,511 Psi
Perf Cluster #1	15,585'		
Break Down	5,223 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	15,430' to 15,585'		

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

Pro Wireline 3471

Stage #7 Frac

15,430' to 15,585'				
Max Psi 5,760	Max Rate 42.1	Avg Psi 4,302	Avg Rate 41.6	
Total Clean Fluid 6,603	Production Water 0	0.0%	Of Total Clean	
Total Proppant 290,020	Max Prop Con. 2.00			
ISIP 2183	Frac Gradient 0.71			

Stage #8 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.8	Max Psi	4,758
Spot Acid Bbls.	48	Pump Down Fluid	588
Set Plug @	15,405'	Test Plug to	4,631 \Psi
Perf Cluster #1	15,385'		
Break Down	4,721 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	15,225' to 15,385'		

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

Pro Wireline 3471

Blender Unit #116 valve stem broke on tub bypass,

Changed out blender Fracing Stage #8



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/19/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	DAVIS/THOMPSON/ROCHELL/	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/19/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :16	MW :	VISC :
DAILY: DC: \$0	CC :\$364,521	TC : \$364,521	CUM : DC : \$2,148,566	CC : \$912,129	TC : \$3,060,695	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : PRO-LOG, INC.		GUN TYPE : HSC		OD : 3.18		

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
15020	15021	4	60
15060	15061	4	60
15105	15106	4	60
15145	15146	4	60
15185	15186	4	60

ACTIVITY AT REPORT TIME: Frac Stg 13 of 44

DAILY DETAILS : SAFETY MEETING, Test lines to 6850psi, Rupture disk @ 8500. Pump trips 8100-8500. Stage #8 Frac

15,225' to 15,385'					
Max Psi 6,419	Max Rate 42.0	Avg Psi 4,976	Avg Rate 40.3		
Total Clean Fluid 6,793	Production Water 0	0.0%	Of Total Clean		
Total Proppant 288,980	Max Prop Con. 2.00				
ISIP 2396	Frac Gradient 0.73				Stage #9 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.0	Max Psi 6,550	
Spot Acid Bbls. 48	Pump Down Fluid 420		
Set Plug @ 15,212'	Test Plug to 4,953	Psi	
Perf Cluster #1 15,185'			
Break Down 5,645	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 15,020' to 15,185'			

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

Pro Wireline 3471

Stage #9 Frac

15,020' to 15,185'				
Max Psi 5,405	Max Rate 44.0	Avg Psi 4,324	Avg Rate 40.8	
Total Clean Fluid 6,828	Production Water 0	0.0%	Of Total Clean	
Total Proppant 288,540	Max Prop Con. 2.00			
ISIP 2173	Frac Gradient 0.71			Stage #10 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.0	Max Psi 5,723	
Spot Acid Bbls. 48	Pump Down Fluid 431		
Set Plug @ 15,010'	Test Plug to 4,495	Psi	
Perf Cluster #1 14,988'			
Break Down 6,938	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 14,825' to 14,988'			

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

Pro Wireline 3471

Stage #10 Frac

14,825' to 14,988'				
Max Psi 5,795	Max Rate 42.8	Avg Psi 4,371	Avg Rate 42.0	
Total Clean Fluid 6,371	Production Water 0	0.0%	Of Total Clean	
Total Proppant 288,820	Max Prop Con. 2.00			



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/19/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		DAVIS/THOMPSON/ROCHELL/		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

ISIP 2248 Frac Gradient 0.72

Stage #11 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.0 Max Psi 4,213
 Spot Acid Bbls. 48 Pump Down Fluid 420
 Set Plug @ 14,800' Test Plug to 4,404 Psi
 Perf Cluster #1 14,785'
 Break Down 4,215 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 14,625' to 14,785'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #11 Frac

14,625' to 14,785'
 Max Psi 6,496 Max Rate 42.3 Avg Psi 4,630 Avg Rate 41.1
 Total Clean Fluid 6,529 Production Water 0 0.0% Of Total Clean
 Total Proppant 293,640 Max Prop Con. 2.00
 ISIP 2130 Frac Gradient 0.70 Stage #12 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.3 Max Psi 4,521
 Spot Acid Bbls. 48 Pump Down Fluid 380
 Set Plug @ 14,602' Test Plug to 4,637 Psi
 Perf Cluster #1 14,585'
 Break Down 4,529 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 14,425' to 14,585'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #12 Frac

14,425' to 14,585'
 Max Psi 7,705 Max Rate 42.6 Avg Psi 4,875 Avg Rate 42.2
 Total Clean Fluid 6,486 Production Water 0 0.0% Of Total Clean
 Total Proppant 288,100 Max Prop Con. 2.00
 ISIP 2076 Frac Gradient 0.69 Stage #13 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.6 Max Psi 4,566
 Spot Acid Bbls. 48 Pump Down Fluid 399
 Set Plug @ 14,402' Test Plug to 4,527 Psi
 Perf Cluster #1 14,385'
 Break Down 4,677 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 14,225' to 14,385'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #13 Frac

14,225' to 14,385'
 Max Psi 6,102 Max Rate 42.2 Avg Psi 4,735 Avg Rate 41.8
 Total Clean Fluid 6,454 Production Water 0 0.0% Of Total Clean
 Total Proppant 288,400 Max Prop Con. 2.00
 ISIP 2147 Frac Gradient 0.70



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/20/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		DAVIS/THOMPSON/ROCHELL/		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

REPORT DATE: 03/20/2013 MD :16858 TVD :7963 PROGRESS : DAYS :17 MW : VISC :
 DAILY: DC: \$0 CC :\$295,153 TC : \$295,153 CUM : DC : \$2,148,566 CC : \$1,207,282 TC : \$3,355,848
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 CONTRACTOR : PRO-LOG, INC. GUN TYPE : HSC OD : 3.18

TOP DEPTH	BOTTOM DEPTH	DENSITY	PHASE
14025	14026	4	60
14065	14066	4	60
14105	14106	4	60
14140	14141	4	60
14185	14186	4	60

ACTIVITY AT REPORT TIME: Perf Stg 19 of 44

DAILY DETAILS : Hold Safety Meeting, Test Lines 8650. rupture disk @ 8500, pump trips @ 8100-8500 Stage #14 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.0 Max Psi 5,326
 Spot Acid Bbls. 48 Pump Down Fluid 376
 Set Plug @ 14,200' Test Plug to 4,955 Psi
 Perf Cluster #1 14,185'
 Break Down 5,545 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 14,025' to 14,185'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #14 Frac

14,025' to 14,185'
 Max Psi 5,399 Max Rate 42.5 Avg Psi 4,315 Avg Rate 41.9
 Total Clean Fluid 6,474 Production Water 0 0.0% Of Total Clean
 Total Proppant 289,320 Max Prop Con. 2.00
 ISIP 2200 Frac Grad. 0.71 Stage #15 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.0 Max Psi 4,500
 Spot Acid Bbls. 48 Pump Down Fluid 367
 Set Plug @ 14,000' Test Plug to 5,124 Psi
 Perf Cluster #1 13,982'
 Break Down 4,050 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 13,825' to 13,982'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Repairing Pumps Stage #15 Frac

13,825' to 13,982'
 Max Psi 6,008 Max Rate 41.6 Avg Psi 4,337 Avg Rate 39.6
 Total Clean Fluid 6,407 Production Water 0 0.0% Of Total Clean
 Total Proppant 292,820 Max Prop Con. 2.00
 ISIP 2005 Frac Grad. 0.69 Stage #16 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.0 Max Psi 5,152



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/20/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	DAVIS/THOMPSON/ROCHELL/	LAST CSG : 5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE: 12/17/2012	1ST SALES :	

Spot Acid Bbls. 48 Pump Down Fluid 369
 Set Plug @ 13,800' Test Plug to 4,619 Psi
 Perf Cluster #1 13,780'
 Break Down 4,755 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 13,625' to 13,780'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #16 Frac

13,625' to 13,780'
 Max Psi 5,681 Max Rate 43.2 Avg Psi 4,312 Avg Rate 42.0
 Total Clean Fluid 6,388 Production Water 0 0.0% Of Total Clean
 Total Proppant 291,620 Max Prop Con. 2.00
 ISIP 2201 Frac Grad. 0.71 Stage #17 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.8 Max Psi 3,745
 Spot Acid Bbls. 48 Pump Down Fluid 350
 Set Plug @ 13,594' Test Plug to 4,557 Psi
 Perf Cluster #1 13,578'
 Break Down 3,871 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 13,421' to 13,578'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #17 Frac

13,421' to 13,578'
 Max Psi 5,995 Max Rate 42.8 Avg Psi 4,603 Avg Rate 41.3
 Total Clean Fluid 6,268 Production Water 0 0.0% Of Total Clean
 Total Proppant 286,410 Max Prop Con. 2.00
 ISIP 2210 Frac Grad. 0.71 Stage #18 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.2 Max Psi 4,287
 Spot Acid Bbls. 48 Pump Down Fluid 350
 Set Plug @ 13,400' Test Plug to 4,640 Psi
 Perf Cluster #1 13,385'
 Break Down 4,434 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 0,004' to 13,385'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #18 Frac

13,225' to 13,385'
 Max Psi 5,043 Max Rate 42.9 Avg Psi 4,350 Avg Rate 42.0
 Total Clean Fluid 6,520 Production Water 0 0.0% Of Total Clean
 Total Proppant 289,600 Max Prop Con. 2.00
 ISIP 2265 Frac Grad. 0.72 Stage #19 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 16.0 Max Psi 4,533
 Spot Acid Bbls. 48 Pump Down Fluid 347
 Set Plug @ 13,200' Test Plug to 4,569 Psi
 Perf Cluster #1 13,185'
 Break Down 4,552 Psi Pump 12 bbls acid into cluster #1



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/20/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	DAVIS/THOMPSON/ROCHELL/	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Perforated Interval 13,025' to 13,185'
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

Pro Wireline 3471

Start Frac Stg 19.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/21/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/21/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :18	MW :	VISC :
DAILY: DC: \$0	CC :\$361,704	TC : \$361,704	CUM : DC : \$2,148,566	CC : \$1,568,986	TC : \$3,717,552	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : PRO-LOG, INC.		GUN TYPE : HSC	OD : 3.18			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
12825	12826	4	60
12865	12866	4	60
12901	12902	4	60
12945	12946	4	60
12985	12986	4	60

ACTIVITY AT REPORT TIME: Perforate Stage 25 of 44

DAILY DETAILS : Stage #19 Frac continued.

13,025' to 13,185'					
Max Psi 7,350	Max Rate 42.8	Avg Psi 5,649	Avg Rate 41.5		
Total Clean Fluid 6,322	Production Water 0	0.0%	Of Total Clean		
Total Proppant 286,800	Max Prop Con. 2.00				
ISIP 2269	Frac Grad. 0.72				

Hold Safety Meeting, Test Lines 8675. rupture disk @ 8500,

pump trips @ 8100-8500 Stage #20 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.4	Max Psi 5,248	
Spot Acid Bbls. 48	Pump Down Fluid 360		
Set Plug @ 13,005'	Test Plug to 4,870	Psi	
Perf Cluster #1 12,985'			
Break Down 4,889	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 12,825' to 12,985'			

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

Pro Wireline 3471

Stage #20 Frac

12,825' to 12,985'				
Max Psi 7,175	Max Rate 42.5	Avg Psi 5,114	Avg Rate 41.7	
Total Clean Fluid 6,336	Production Water 0	0.0%	Of Total Clean	
Total Proppant 289,520	Max Prop Con. 2.00			
ISIP 2200	Frac Grad. 0.71			

Stage #21 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.4	Max Psi 5,666	
Spot Acid Bbls. 48	Pump Down Fluid 347		
Set Plug @ 12,800'	Test Plug to 4,579	Psi	
Perf Cluster #1 12,780'			
Break Down 4,578	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 12,625' to 12,780'			

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

Pro Wireline 3471

Stage #21 Frac



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/21/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG : 5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE: 12/17/2012	1ST SALES :	

12,625' to	12,780'				
Max Psi 6,120	Max Rate 43.4	Avg Psi 4,928	Avg Rate 42.2		
Total Clean Fluid	6,158	Production Water	0	0.0%	Of Total Clean
Total Proppant	291,200	Max Prop Con.	2.00		
ISIP 2276	Frac Grad.	0.72			

Stage #22 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.1	Max Psi 4,478	
Spot Acid Bbls.	48	Pump Down Fluid	334
Set Plug @	12,608'	Test Plug to	4,583 Psi
Perf Cluster #1	12,585'		
Break Down	4,494	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	12,422' to	12,585'	

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

Pro Wireline 3471

Stage #22 Frac

12,422' to	12,585'				
Max Psi 6,284	Max Rate 42.9	Avg Psi 5,088	Avg Rate 42.2		
Total Clean Fluid	6,388	Production Water	0	0.0%	Of Total Clean
Total Proppant	290,200	Max Prop Con.	2.00		
ISIP 2355	Frac Grad.	0.73			

Stage #23 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.5	Max Psi 4,493	
Spot Acid Bbls.	48	Pump Down Fluid	324
Set Plug @	12,400'	Test Plug to	4,592 Psi
Perf Cluster #1	12,375'		
Break Down	4,509	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	12,225' to	12,375'	

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

Pro Wireline 3471

Stage #23 Frac

12,225' to	12,375'				
Max Psi 6,208	Max Rate 42.5	Avg Psi 4,977	Avg Rate 41.9		
Total Clean Fluid	6,608	Production Water	0	0.0%	Of Total Clean
Total Proppant	287,760	Max Prop Con.	2.00		
ISIP 2199	Frac Grad.	0.71			

Stage #24 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 16.5	Max Psi 4,223	
Spot Acid Bbls.	48	Pump Down Fluid	318
Set Plug @	12,192'	Test Plug to	4,632 Psi
Perf Cluster #1	12,174'		
Break Down	4,241	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	12,021' to	12,174'	

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

Pro Wireline 3471

Stage #24 Frac

12,021' to	12,174'				
Max Psi 5,835	Max Rate 42.7	Avg Psi 4,657	Avg Rate 41.3		



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/21/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Total Clean Fluid	6,422	Production Water	0	0.0%	Of Total Clean
Total Proppant	288,830	Max Prop Con.	2.00		
ISIP 2201	Frac Grad.	0.71			Stage #25 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.3	Max Psi	5,100
Spot Acid Bbls.	48	Pump Down Fluid	335
Set Plug @	11,995'	Test Plug to	4,624 Psi
Perf Cluster #1	11,972'		
Break Down	4,224	Psi	Pump
Perforated Interval	11,825' to	11,972'	

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

Pro Wireline 3471



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/22/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/22/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :19	MW :	VISC :
DAILY: DC: \$0	CC :\$268,632	TC : \$268,632	CUM : DC : \$2,148,566	CC : \$1,837,618	TC :	\$3,986,184
FORMATION:		PBTD :	0	PERF :		PKR.DPTH:
CONTRACTOR :	PRO-LOG, INC.	GUN TYPE :	HSC			OD : 3.18

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
11625	11626	4	60
11665	11666	4	60
11705	11706	4	60
11745	11746	4	60
11773	11774	4	60

ACTIVITY AT REPORT TIME: Perforated Stage 30 of 44/ Wait on Coil Tubing to Fish tool String

DAILY DETAILS : SAFETY MEETING with all vendors Stage #25 Frac

11,825' to 11,972'					
Max Psi 6,600	Max Rate 42.4	Avg Psi 4,384	Avg Rate 41.5		
Total Clean Fluid 6,356	Production Water 0	0.0%	Of Total Clean		
Total Proppant 290,240	Max Prop Con. 2.00				
ISIP 2414	Frac Grad. 0.74				

Stage #26 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.1	Max Psi 4247		
Spot Acid Bbls. 48	Pump Down Fluid 339			
Set Plug @ 11,800'	Test Plug to 4,492	Psi		
Perf Cluster #1 11,773'				
Break Down 4,247	Psi Pump 12 bbls acid into cluster #1			
Perforated Interval 11,625' to 11,773'				

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

Pro Wireline 3471

Stage #26 Frac

11,625' to 11,773'				
Max Psi 6,710	Max Rate 42.4	Avg Psi 5,285	Avg Rate 42.1	
Total Clean Fluid 6,273	Production Water 0	0.0%	Of Total Clean	
Total Proppant 289,540	Max Prop Con. 2.00			
ISIP 2360	Frac Grad. 0.73			

Stage #27 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.1	Max Psi 4,299		
Spot Acid Bbls. 48	Pump Down Fluid 329			
Set Plug @ 11,580'	Test Plug to 4,511	Psi		
Perf Cluster #1 11,565'				
Break Down 4,299	Psi Pump 12 bbls acid into cluster #1			
Perforated Interval 11,419' to 11,565'				

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

Pro Wireline 3471
a water line. Stage #27 Frac

Start Frac Stg 27 DOWN TIME: WATER TRANSFER. Blew



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/22/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT : MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # : 42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % : 53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL : \$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG : 5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME : 434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	12/6/2012	RIG RELEASE: 12/17/2012	1ST SALES :	

11,419' to	11,565'				
Max Psi 6,220	Max Rate 42.5	Avg Psi 4,745	Avg Rate 41.5		
Total Clean Fluid	6,694	Production Water	0	0.0%	Of Total Clean
Total Proppant	292,300	Max Prop Con.	2.00		
ISIP 2218	Frac Grad.	0.71			Stage #28 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.8	Max Psi 4,825	
Spot Acid Bbls.	48	Pump Down Fluid	302
Set Plug @	11,400'	Test Plug to	4,534 Psi
Perf Cluster #1	11,385'		
Break Down	4,921	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	11,225' to	11,385'	

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

Pro Wireline 3471

Stage #28 Frac

11,225' to	11,385'				
Max Psi 8,072	Max Rate 42.3	Avg Psi 4,537	Avg Rate 41.5		
Total Clean Fluid	6,226	Production Water	0	0.0%	Of Total Clean
Total Proppant	284,860	Max Prop Con.	2.00		
ISIP 2307	Frac Grad.	0.72			Stage #29 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.6	Max Psi 4,162	
Spot Acid Bbls.	48	Pump Down Fluid	299
Set Plug @	11,190'	Test Plug to	4,628 Psi
Perf Cluster #1	11,172'		
Break Down	4,169	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	0,004' to	11,172'	

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

Pro Wireline 3471

Stage #29 Frac

11,025' to	11,172'				
Max Psi 5,158	Max Rate 42.7	Avg Psi 4,090	Avg Rate 41.7		
Total Clean Fluid	6,140	Production Water	0	0.0%	Of Total Clean
Total Proppant	285,660	Max Prop Con.	2.00		
ISIP 2272	Frac Grad.	0.72			Stage #30 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.2	Max Psi 4,170	
Spot Acid Bbls.	48	Pump Down Fluid	294
Set Plug @	11,000'	Test Plug to	4,559 Psi
Perf Cluster #1	10,975'		
Break Down	4,203	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	10,825' to	10,975'	

POOH with wireline @ 4432' we lost line tension it was determined we had dropped the tool string, upon getting out with wireline it appeared that it was a clean break and no line was left in the hole. tool string left in hole is as follows:

1.6' fishing neck 2" OD
 2" CCL 2 3/4" OD
 6" quick change
 13' gun string 3 1/8" OD
 6" quick change 1 1/2" OD
 6" quick change 3 1/8" OD



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/22/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

6' setting tool 3 1/2" OD
 1.6' setting sleeve 4.67" OD
 Remaining Acid was displaced into formation

Pro Wireline 3471

Waiting on Coil tubing unit to fish gun string



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/23/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :20	MW :	VISC :
DAILY: DC: \$0	CC :\$23,207	TC : \$23,207	CUM : DC : \$2,148,566	CC : \$1,860,825	TC : \$4,009,391	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME:	tih with coil tubing					

DAILY DETAILS : DOWN TIME: WIRELINE COMPANY hold safety meeting with all venders on loc. MIRU CT (IPS), Old School Tool. tih with fishing tools, ct, (tool string on next report)



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/24/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :21	MW :	VISC :
DAILY: DC: \$0	CC :\$239,269	TC : \$239,269	CUM : DC: \$2,148,566	CC : \$2,100,094	TC :	\$4,248,660
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : PRO-LOG, INC.		GUN TYPE : HSC	OD : 3.18			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
10625	10626	4	60
10667	10668	4	60
10701	10702	4	60
10745	10746	4	60
10770	10771	4	60

ACTIVITY AT REPORT TIME: Frac Stg 32 of 43

DAILY DETAILS : Hold safety meeting with all wenders on loc. fish gun string. Tool Description as follows:

COIL CONNECTOR	2.875 - 1.25 - .75
DF BACK PRESSURE VALVE	2.875 - 1.00 - 1.25
NOV ACCELERATOR	2.875 - 1.00 - 9.35
NOV JAR	2.875 - 1.00 - 8.30
HYDRAULIC DISCONNECT	2.875 - 0 - 1.45
CROSSOVER SUB	3.14 - 1.55 - .50
OVERSHOT	4.625 - 2.441 - 2.57

RD perforating guns, rdmo ct, ru frac lines MIRU WL Crane (Reliance),WL Lubricator (Peak). Test Lines, Set kick outs, Install 8400 psi rupture disk. Stage #30 Frac

10,825' to 10,975'

Max Psi	5,560	Max Rate	43.7	Avg Psi	4,289	Avg Rate	42.4
Total Clean Fluid			6,190	Production Water	0	0.0%	Of Total Clean
Total Proppant			287,980	Max Prop Con.	2.00		
ISIP	2236	Frac Grad.	0.71				SD due to Wind. Stage #31 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.6	Max Psi	4,701
Spot Acid Bbls.	48	Pump Down Fluid	303
Set Plug @	10,788'	Test Plug to	4,589 Psi
Perf Cluster #1	10,770'		
Break Down	4,823 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	10,625' to 10,770'		

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

Pro Wireline 3471

Stage #31 Frac

10,625' to 10,770'			
Max Psi	7,787	Max Rate	43.3
Total Clean Fluid		Avg Psi	4,647
Total Proppant		Production Water	0
ISIP	2218	Max Prop Con.	2.00
Frac Grad.	0.71		SD due to wind. Stage #32 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.2	Max Psi	4,812
Spot Acid Bbls.	48	Pump Down Fluid	290
Set Plug @	10,600'	Test Plug to	4,563 Psi
Perf Cluster #1	10,582'		
Break Down	4,894 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	10,425' to 10,582'		

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



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Pro Wireline 3471

Stage #32 Frac

10,425' to	10,582'				
Max Psi 7,897	Max Rate 42.6	Avg Psi 5,015	Avg Rate 41.3		
Total Clean Fluid	6,034	Production Water	0	0.0%	Of Total Clean
Total Proppant	287,220	Max Prop Con.	2.00		
ISIP 2220	Frac Grad.	0.71			

Start in hole to perforate stage 33.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

REPORT DATE: 03/25/2013	MD :16858	TVD :7963	PROGRESS :	DAYS :22	MW :	VISC :
DAILY: DC: \$0	CC :\$292,491	TC : \$292,491	CUM : DC : \$2,148,566	CC : \$2,392,585	TC : \$4,541,151	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : PRO-LOG, INC.		GUN TYPE : HSC	OD : 3.18			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
10225	10226	4	60
10260	10261	4	60
10305	10306	4	60
10345	10346	4	60
10370	10371	4	60

ACTIVITY AT REPORT TIME: Frac Stg 38 of 43

DAILY DETAILS : Stage #33 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.5	Max Psi 5,160
Spot Acid Bbls.	48	Pump Down Fluid 289
Set Plug @	10,389'	Test Plug to 4,568 Psi
Perf Cluster #1	10,370'	
Break Down	4,820 Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	10,225' to 10,370'	

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

Pro Wireline 3471

Hold Safety meeting with all personnel on location. Stage #33 Frac

10,225' to 10,370'				
Max Psi 6,452	Max Rate 43.5	Avg Psi 4,446	Avg Rate 41.9	
Total Clean Fluid 6,103	Production Water 0	0.0%	Of Total Clean	
Total Proppant 288,640	Max Prop Con. 2.00			
ISIP 2307	Frac Grad. 0.72			

Stage #34 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.3	Max Psi 4,710
Spot Acid Bbls.	48	Pump Down Fluid 280
Set Plug @	10,200'	Test Plug to 4,538 Psi
Perf Cluster #1	10,185'	
Break Down	4,714 Psi	Pump 12 bbls acid into cluster #1
Perforated Interval	10,025' to 10,185'	

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

Pro Wireline 3471

Stage #34 Frac

10,025' to 10,185'				
Max Psi 5,720	Max Rate 43.2	Avg Psi 4,300	Avg Rate 42.1	
Total Clean Fluid 6,068	Production Water 0	0.0%	Of Total Clean	
Total Proppant 286,140	Max Prop Con. 2.00			
ISIP 2431	Frac Grad. 0.74			



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		CEBALLOS/STEWART/ROCHE		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY				KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

Stage #35 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.6 Max Psi 4,566
 Spot Acid Bbls. 48 Pump Down Fluid 285
 Set Plug @ 9,990' Test Plug to 4,566 Psi
 Perf Cluster #1 9,975'
 Break Down 4,473 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,830' to 9,975'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #35 Frac

9,830' to 9,975'
 Max Psi 5,875 Max Rate 43.0 Avg Psi 4,482 Avg Rate 42.0
 Total Clean Fluid 6,146 Production Water 0 0.0% Of Total Clean
 Total Proppant 293,160 Max Prop Con. 2.00
 ISIP 2112 Frac Grad. 0.70 Stage #36 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.3 Max Psi 3,991
 Spot Acid Bbls. 48 Pump Down Fluid 265
 Set Plug @ 9,800' Test Plug to 4,552 Psi
 Perf Cluster #1 9,785'
 Break Down 4,086 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,625' to 9,785'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Water transfer ruptured a line at the pit replaced line and

resumed operations Stage #36 Frac

9,625' to 9,785'
 Max Psi 5,748 Max Rate 42.7 Avg Psi 3,864 Avg Rate 41.9
 Total Clean Fluid 6,033 Production Water 0 0.0% Of Total Clean
 Total Proppant 288,860 Max Prop Con. 2.00
 ISIP 2272 Frac Grad. 0.72 Stage #37 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.3 Max Psi 3,976
 Spot Acid Bbls. 48 Pump Down Fluid 261
 Set Plug @ 9,590' Test Plug to 4,571 Psi
 Perf Cluster #1 9,575'
 Break Down 4,042 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,428' to 9,575'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Stage #37 Frac

9,428' to 9,575'
 Max Psi 5,748 Max Rate 42.5 Avg Psi 4,759 Avg Rate 41.8
 Total Clean Fluid 6,061 Production Water 0 0.0% Of Total Clean
 Total Proppant 285,880 Max Prop Con. 2.00
 ISIP 2218 Frac Grad. 0.71 Stage #38 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/25/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Pump Down: Max Rate 15.1 Max Psi 4,518
 Spot Acid Bbls. 48 Pump Down Fluid 258
 Set Plug @ 9,400' Test Plug to 4,552 Psi
 Perf Cluster #1 9,381'
 Break Down 4,522 Psi Pump 12 bbls acid into cluster #1
 Perforated Interval 9,225' to 9,381'
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

Pro Wireline 3471

Start Frac Stg 38. SD due to blown water line.



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/26/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		LIN (WOLFCAMP)		DISTRICT :		MIDLAND		PLAN MD/TVD :		16,910 / 7,975	
COUNTY,ST. :		REAGAN , TX		API # :		42-383-38000		TAX/CREDIT :			
PROPERTY # :		071641		WI % :		53.797		NRI % :		40.347	
AFE# :		105244		AFE TOTAL :		\$6,344,450		DHC :		\$2,355,450 CWC : \$3,989,000	
REPORTED BY:		CEBALLOS/STEWART/ROCHE		LAST CSG :		5.500		SHOE MD/TVD:		16,895 / 7,975	
RIG CONTR. :		H & P		RIG NAME :		434		WATER DEPTH:			
LOCATION :		2218 FSL 1430 FEL X: 1591924		Y: 589102 ULS SVY		KB ELEV :		0		GL ELEV: 0	
SPUD DATE :		12/6/2012		RIG RELEASE:		12/17/2012		1ST SALES :			

REPORT DATE: 03/26/2013 MD :16858 TVD :7963 PROGRESS : DAYS :23 MW : VISC :
 DAILY: DC: \$0 CC :\$389,628 TC : \$389,628 CUM : DC : \$2,148,566 CC : \$2,782,213 TC : \$4,930,779
 FORMATION: PBDT : 0 PERF : PKR.DPTH:
 CONTRACTOR : PRO-LOG, INC. GUN TYPE : HSC OD : 3.18

TOP DEPTH	BOTTOM DEPTH	DENSITY	PHASE
9028	9029	4	60
9060	9061	4	60
9103	9104	4	60
9145	9146	4	60
9168	9169	4	60

ACTIVITY AT REPORT TIME: Well Completed/Frac 43 of 43

DAILY DETAILS : hold safety meting with all venders on loc. test lines 8200 psi, set kick outs install 8400 psi rupture disk DOWN TIME: WATER TRANSFER finish frac stg 38

Stage #38 Frac

9,225' to	9,381'				
Max Psi 5,701	Max Rate 43.1	Avg Psi 4,705	Avg Rate 42.4		
Total Clean Fluid	7,286	Production Water	0	0.0%	Of Total Clean
Total Proppant	288,920	Max Prop Con.	2.00		
ISIP 2307	Frac Grad.	0.72			

Stage #39 Perforating

Perforate w/ 3 1/8" 4 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down:	Max Rate 15.1	Max Psi 4,301	
Spot Acid Bbls. 48	Pump Down Fluid	268	
Set Plug @ 9,185'	Test Plug to 4,720	Psi	
Perf Cluster #1 9,168'			
Break Down 4,301	Psi Pump	12 bbls acid into cluster #1	
Perforated Interval 9,028' to 9,168'			

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

Pro Wireline 3471

Stage #39 Frac

9,028' to	9,168'				
Max Psi 7,970	Max Rate 41.8	Avg Psi 4,677	Avg Rate 41.6		
Total Clean Fluid	6,228	Production Water	0	0.0%	Of Total Clean
Total Proppant	289,460	Max Prop Con.	2.00		
ISIP 2254	Frac Grad.	0.72			

Stage #40 Perforating

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

Pump Down:	Max Rate 15.1	Max Psi 4,049	
Spot Acid Bbls. 48	Pump Down Fluid	263	
Set Plug @ 9,000'	Test Plug to 4,611	Psi	
Perf Cluster #1 8,985'			
Break Down 4,049	Psi Pump	12 bbls acid into cluster #1	
Perforated Interval 8,825' to 8,985'			

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



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/26/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :		UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :		EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :		LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :		REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :		071641	WI % :	53.797	NRI % :	40.347
AFE# :		105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:		CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :		H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :		2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :		12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Pro Wireline 3471

Stage #40 Frac

8,825' to 8,985'					
Max Psi 6,450	Max Rate 42.5	Avg Psi 4,600	Avg Rate 42.2		
Total Clean Fluid	6,186	Production Water	0	0.0%	Of Total Clean
Total Proppant	288,900	Max Prop Con.	2.00		
ISIP 2183	Frac Grad. 0.71				Stage #41 Perforating

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

Pump Down:	Max Rate 15.3	Max Psi 3,454	
Spot Acid Bbls. 48	Pump Down Fluid	245	
Set Plug @ 8,790'	Test Plug to 4,532	Psi	
Perf Cluster #1 8,772'			
Break Down 3,969	Psi Pump	12 bbls acid into cluster #1	
Perforated Interval 8,665' to 8,772'			

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

Pro Wireline 3471

Stage #41 Frac

8,665' to 8,772'					
Max Psi 5,427	Max Rate 43.7	Avg Psi 4,380	Avg Rate 42.6		
Total Clean Fluid	6,011	Production Water	0	0.0%	Of Total Clean
Total Proppant	287,590	Max Prop Con.	2.00		
ISIP 2165	Frac Grad. 0.71				Stage #42 Perforating

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

Pump Down:	Max Rate 15.2	Max Psi 4,329	
Spot Acid Bbls. 48	Pump Down Fluid	239	
Set Plug @ 8,640'	Test Plug to 4,596	Psi	
Perf Cluster #1 8,625'			
Break Down 4,381	Psi Pump	12 bbls acid into cluster #1	
Perforated Interval 8,511' to 8,625'			

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

Pro Wireline 3471

Stage #42 Frac

8,511' to 8,625'					
Max Psi 5,519	Max Rate 42.8	Avg Psi 4,454	Avg Rate 42.0		
Total Clean Fluid	6,114	Production Water	0	0.0%	Of Total Clean
Total Proppant	287,160	Max Prop Con.	2.00		
ISIP 2378	Frac Grad. 0.73				Stage #43 Perforating

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

Pump Down:	Max Rate 15.4	Max Psi 3,948	
Spot Acid Bbls. 48	Pump Down Fluid	239	
Set Plug @ 8,480'	Test Plug to 4,568	Psi	
Perf Cluster #1 8,465'			
Break Down 3,871	Psi Pump	12 bbls acid into cluster #1	
Perforated Interval 8,345' to 8,465'			

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

Pro Wireline 3471

Stage #43 Frac

8,345' to 8,465'



WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 3/26/2013

WELL NAME : UNIVERSITY 09 B #1103H

WELL NAME :	UNIVERSITY 09 B #1103H	EVENT NO. : 1	DIVISION :	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	LIN (WOLFCAMP)	DISTRICT :	MIDLAND	PLAN MD/TVD :	16,910 / 7,975
COUNTY,ST. :	REAGAN , TX	API # :	42-383-38000	TAX/CREDIT :	
PROPERTY # :	071641	WI % :	53.797	NRI % :	40.347
AFE# :	105244	AFE TOTAL :	\$6,344,450	DHC :	\$2,355,450 CWC : \$3,989,000
REPORTED BY:	CEBALLOS/STEWART/ROCHE	LAST CSG :	5.500	SHOE MD/TVD:	16,895 / 7,975
RIG CONTR. :	H & P	RIG NAME :	434	WATER DEPTH:	
LOCATION :	2218 FSL 1430 FEL X: 1591924 Y: 589102 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	12/6/2012	RIG RELEASE:	12/17/2012	1ST SALES :	

Max Psi	6,524	Max Rate	43.0	Avg Psi	4,200	Avg Rate	42.3
Total Clean Fluid	6,064	Production Water	0	0.0%	Of Total Clean		
Total Proppant	289,300	Max Prop Con.	2.00				
ISIP	2325	Frac Grad.	0.73				RIH set CBP @ 7711, Negative Test good. RD
Frac (UPPI), WL (Pro), WL Lubricator/BOPS (Peak). Well Totals:							
Total Prop-12,325,930lbs							
100 Mesh-8,463,490lbs							
40/70-3,862,440lbs							
Clean-280679							
Produced-0							
Clean w/o Acid-278519							
Fuel Total-38208gal							
Clear-3588gal							
Dyed-34620gal							
7 1/2% HCL-2160							
15% HCL-96bbls							
CBP-2							
CFP- 42							