



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/5/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	6,725 / 15,000
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:		LAST CSG :	9.625	SHOE MD/TVD:	800 / 800
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :		RIG RELEASE:		1ST SALES :	

**REPORT DATE: 03/23/2012** MD :0 TVD :0 PROGRESS : 806 DAYS : MW : VISC :

DAILY: DC: \$95,301 CC :\$0 TC : \$95,301 CUM : DC : \$95,301 CC : \$0 TC : \$95,301

FORMATION: PBDT : PERF : PKR.DPTH:

ACTIVITY AT REPORT TIME:

DAILY DETAILS : NOTIFIED TRRC BEFORE SPUDDING UNIVERSITY 43 # 0905H . DRILLED ROTATED FROM 0' TO 806' .SURVEY # 806.5% . PUMP SWEEP & CIRCULATE HOLE CLEAN , TRIP OUT LAYING DOWN DRILLING ASSEMBLY .RIG UP EXPRESS CASING CREW .. RUN TIGER TOOTH GUIDE SHOE 1 JT 9 5/8 40PPF , J 55 LTC CASSING FLOAT COLLAR & 18 JTS 9 5/8" J55 LTC CASSING TO A DEPTH OF 803' RUN CENTRALIZERS & STOP COLLAR ON FIRST JOINT & 9 CENTRALIZERS ON EVERY OTHER JT TO SURFACE FOR A TOTAL OF 9 CENTRALIZERS .HOLD PRE JOB SAFTEY METTING , RIG UP RISING STAR LINE TO HEAD & TEST LINES TO1500PSI . PUMP 10BBLS FRESH WATER , MIX & PUMP 400 SKS LEAD CEMENT ( CLASS C@ 14.8PPG YIELD 1.35 MIXED WITH 6.34 GALLONS FRESH WATER PER SK +2% CACL +.25% R-38).@ 45 BBLS IN PSI WAS 380PSI SLOWED RATE TO 3 BBLS MIN BUMPED PLUG @ 2220 .PRESSURED UP TO 1080PSI , BLEED OFF PSI FLOATS HELD . CIRCULATED 154SKS 37 BBLS TO SURFACE . RIGGED DOWN RISING STAR.

**REPORT DATE: 07/05/2012** MD :0 TVD :0 PROGRESS : 0 DAYS :0 MW : VISC :

DAILY: DC: \$143,573 CC :\$0 TC : \$143,573 CUM : DC : \$238,874 CC : \$0 TC : \$238,874

FORMATION: PBDT : 0 PERF : PKR.DPTH: 0

ACTIVITY AT REPORT TIME: MAKING UP BHA

DAILY DETAILS : READY RIG TO SKID ONTO THE UNIVERSITY 0905H, ALL CRANES ANDTRUCKS ARRIVED AT 15:00 SKID RIG, SET IN STACK, CATWALK, KOOMY VFD HOUSE, WATER TANKS AND SET ALL STAIRS V DOOR. REALESE TRUCKS AND CRANES AT 1800 RUN ELECTRIC LINES, RIG UP CATWALK, ADD ALL EXTENSIONS, FUNCTION TEST ALL. RIG UP NIPPLE UP CREW, PICK UP AND INSTALL BOP STACK AND TORQUE UP, CHOKE LIN FILL STACK AND CHOKE MANIFOLD AND TEST BOP STACK AND CHOKE MANIFOLD, TEST PIPE RAMS AND BODY TEST OF STACK AND CHOKE MANIFOLD LOWW 200 AND HIGH 2500 PSI PSI, CLOSE ANNULAR AND CLOSE HCR VALVE AND TEST LOWW 200 AND HIGH 1500 PSI



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/6/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :	UNIVERSITY 43 #0905H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT : MIDLAND	PLAN MD/TVD :	6,725 / 15,000
COUNTY,ST. :	IRION , TX	API # : 42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % : 75	NRI % :	55.5
AFE# :	104980	AFE TOTAL : \$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	MIKE GALLAHER JR/ MIKE CA	LAST CSG : 9.625	SHOE MD/TVD:	800 / 800
RIG CONTR. :	PATTERSON	RIG NAME : 452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY		KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	1ST SALES :	

**REPORT DATE: 07/06/2012** MD :5335 TVD :5334 PROGRESS : 4465 DAYS : 1 MW :9.8 VISC : 30  
 DAILY: DC: \$78,950 CC :\$0 TC : \$78,950 CUM : DC : \$317,824 CC : \$0 TC : \$317,824  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: DRILLING AHEAD

DAILY DETAILS : MAKE UP BHA #2 TRIP IN THE HOLE FROM SURFACE TO 766 DRILL CEMENT AND FLOAT EQUIPMENT FROM 766 TO 800  
 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 886 IN .97 AZ 289.92 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 1070  
 IN .97 AZ 311.72 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 1257 IN .79 AZ 276.65 WOB 20, GPM 600, DIFF 150, TFO 90.  
 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 1448 IN .88 AZ 162.31 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @  
 1639 IN 1.23 AZ 159.76 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 1830 IN 1.23 AZ 153.69 WOB 20, GPM 600, DIFF 650,  
 RPM 70. SURVEY @ 2021 IN 1.23 AZ 156.68 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 2212 IN N1.32 AZ 154.57 WOB  
 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 2403 IN 1.32 AZ 155.89 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 2594 IN  
 1.23 AZ 143.5 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 2785 IN 1.41 AZ 134.01 WOB 20, GPM 600, DIFF 650, RPM 70.  
 SURVEY @ 2976 IN 1.58 AZ 133.83 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 3166 IN 1.67 AZ 126.27 WOB 20, GPM  
 600, DIFF 650, RPM 70. SURVEY @ 3357 IN 1.41 AZ 86.11 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 3548 IN 1.14 AZ  
 17.90 WOB 20, GPM 600, DIFF 150, TFO 90. WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 3739 WOB 20, GPM 600, DIFF  
 650, RPM 70. SURVEY @ 3929 WOB 20, GPM 600, DIFF 650, RPM 70. WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 4120  
 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 4311 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 4502 WOB 20, GPM  
 600, DIFF 650, RPM 70. SURVEY @ 4692 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 4883 WOB 20, GPM 600, DIFF 650,  
 RPM 70. SURVEY @ 5074 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 5265 WOB 20, GPM 600, DIFF 650, RPM 70.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/9/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,923 / 6,720	
COUNTY,ST. :		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:		MIKE GALLAHER JR/ MIKE CA		LAST CSG :		5.500		SHOE MD/TVD:		14,943 /	
RIG CONTR. :		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:				1ST SALES :			

**REPORT DATE: 07/07/2012** MD :6397 TVD :6442 PROGRESS : 1129 DAYS : 2 MW :10.0 VISC : 33  
 DAILY: DC: \$57,410 CC :\$0 TC : \$57,410 CUM : DC : \$375,234 CC : \$0 TC : \$375,234  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: DRILLING AHEAD IN CURVE

DAILY DETAILS : WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 5455 IN .97 AZ 121.88 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 5646 IN .88 AZ 110.36 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 5837 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 6028 WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 6123 WOB 20, GPM 600, DIFF 650, RPM 70. CIRCULATE 30 BBL SWEEP TO SURFACE POOH FROM 6175 TO 1973 BACK REAM FROM 1973-1814 POOH FROM 1814 TO SURFACE MAKE UP BHA #3 SLIP AND CUT DRILL LINE TRIP IN THE HOLE FROM SURFACE TO 6175 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6178 IN 1.32 AZ 87.86 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6209 IN 3.34 AZ 48.31 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6241 IN 5.89 AZ 40.41 WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6273 IN 9.50 AZ 39.52 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6305 IN 14.07 AZ 40.93 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6337 IN 18.29 AZ 40.58 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6369 IN 22.42 AZ 39.08 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6400

**REPORT DATE: 07/08/2012** MD :7303 TVD :6655 PROGRESS : 861 DAYS : 3 MW :10.0 VISC : 33  
 DAILY: DC: \$67,905 CC :\$0 TC : \$67,905 CUM : DC : \$443,139 CC : \$0 TC : \$443,139  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: DRILLING AHEAD IN LATTERAL

DAILY DETAILS : WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6432 IN 31.13 AZ 33.46 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6464 IN 35.44 AZ 29.86 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6496 IN 38.87 AZ 24.87 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6528 IN 41.86 AZ 24.32 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6560 IN 45.29 AZ 21.95 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6591 IN 48.80 AZ 20.01 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6623 IN 52.50 AZ 19.04 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6655 IN 56.37 AZ 18.96 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6687 IN 60.67 AZ 18.78 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6719 IN 64.72 AZ 18.69 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6750 IN 68.41 AZ 18.87 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6782 IN 71.84 AZ 18.96 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6814 IN 75.53 AZ 18.61 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6846 IN 79.67 AZ 18.61 WOB 20, GPM 600, DIFF 650, RPM 30. WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6878 IN 83.96 AZ 18.43 WOB 30, GPM 600, DIFF 150, TFO HSTF. SURVEY @ 6909 IN 88.46 AZ 18.25 CIRCULATE 30 BBL SWEEP TO SURFACE. TRIP OUT OF HOLE FROM 6951 TO SURFACE MAKE UP BHA #5 TEST TOOLS TRIP IN THE HOLE FROM SURFACE TO 6801 WASH/REAM FROM 6801 TO 6951 PUMP SWEEP AND CIRCULATE TO SURFACE WOB 20, GPM 600, DIFF 650, RPM 70 SURVEY @ 6948 IN 90.48 AZ 14.74 WOB 30, GPM 600, DIFF 150, TFO HSTF. WOB 20, GPM 600, DIFF 650, RPM 70. SURVEY @ 7043 IN 91.10 AZ 9.29 WOB 20, GPM 600, DIFF 650, RPM 70 SURVEY @ 7138 IN 91.01 AZ 8.23 WOB 30, GPM 600, DIFF 150, TFO HSTF. WOB 20, GPM 600, DIFF 650, RPM 70 SURVEY @ 7234 IN 90.66 AZ 7.00 WOB 30, GPM 600, DIFF 150, TFO HSTF.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/9/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :	UNIVERSITY 43 #0905H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT : MIDLAND	PLAN MD/TVD :	14,923 / 6,720
COUNTY,ST. :	IRION , TX	API # : 42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % : 75	NRI % :	55.5
AFE# :	104980	AFE TOTAL : \$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:MIKE GALLAHER JR/ MIKE CA	LAST CSG : 5.500	SHOE MD/TVD:	14,943 /	
RIG CONTR. :	PATTERSON	RIG NAME : 452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	1ST SALES :	

**REPORT DATE: 07/09/2012** MD :12779 TVD :6707 PROGRESS : 5476 DAYS :4 MW :10.0 VISC : 33  
 DAILY: DC: \$53,766 CC :\$0 TC : \$53,766 CUM : DC : \$496,905 CC : \$0 TC : \$496,905  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: DRILLING AHEAD IN LATTERAL

DAILY DETAILS : WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7329 IN 88.11 AZ 5.07 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7425 IN 86.53 AZ 3.40 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7520 IN 88.02 AZ .85 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7616 IN 89.34 AZ 3.31 WOB 30, GPM 600, DIFF 150, TFO 90R. SURVEY @ 7711 IN 90.75 AZ 5.60 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7807 IN 88.99 AZ 1.20 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7902 IN 90.48 AZ 1.91 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 7998 IN 89.52 AZ 359.71 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8093 IN 90.13 AZ 359.45 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8189 IN 89.69 AZ 357.42 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8284 IN 89.69 AZ 355.40 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8380 IN 89.43 AZ 355.49 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8475 IN 89.25 AZ 356.72 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8571 IN 89.25 AZ 355.05 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8666 IN 88.55 AZ 354.17 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8761 IN 89.43 AZ 358.04 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8857 IN 89.52 AZ 356.72 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 8952 IN 89.43 AZ 358.65 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9045 IN 89.34 AZ 357.86 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9137 IN 89.52 AZ 359.88 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9229 IN 89.25 AZ 2.35 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9321 IN 89.34 AZ .59 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9413 IN 89.78 AZ 359.27 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9505 IN 89.16 AZ .41 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9597 IN 89.96 AZ 1.55 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9690 IN 90.04 AZ 359.97 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9782 IN 88.99 AZ 1.11 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 9874 IN 89.16 AZ 2.52 WOB 30, GPM 600, DIFF 650, RPM 70. SERVICE RIG SURVEY @ 9966 IN 89.43 AZ 1.99 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10058 IN 90.13 AZ 2.78 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10154 IN 88.90 AZ 359.53 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10249 IN 89.25 AZ 359.36 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10345 IN 89.08 AZ 358.13 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10440 IN 89.16 AZ .06 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10535 IN 89.60 AZ 359.80 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10631 IN 89.78 AZ 3.31 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10726 IN 89.08 AZ .85 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10822 IN 89.52 AZ 1.11 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 10917 IN 88.90 AZ 359.53 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11013 IN 89.43 AZ 359.97 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11108 IN 89.34 AZ 357.95 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11024 IN 89.69 AZ 358.92 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11299 IN 88.72 AZ .41 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11395 IN 89.52 AZ .68 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11490 IN 89.43 AZ .32 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11585 IN 89.69 AZ 359.80 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11681 IN 89.96 AZ 1.73 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11776 IN 90.48 AZ 2.43 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11872 IN 90.48 AZ 2.43 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 11967 IN 89.69 AZ 1.99 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12062 IN 90.57 AZ 1.64 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12158 IN 89.08 AZ 359.18 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12253 IN 89.69 AZ 2.35 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12349 IN 89.08 AZ 3.31 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12444 IN 89.34 AZ 5.07 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12539 IN 89.16 AZ 3.05 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12635 IN 89.87 AZ 3.75 WOB 30, GPM 600, DIFF 650, RPM 70. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12730 IN 88.99 AZ 1.82



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/10/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	MIKE GALLAHER JR/ MIKE CA	LAST CSG :	5.500	SHOE MD/TVD:	14,943 /
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:		1ST SALES :	

**REPORT DATE: 07/10/2012**   MD :14968   TVD :6731   PROGRESS : 2199   DAYS :5   MW :9.9   VISC : 36  
 DAILY: DC: \$157,964   CC :\$0   TC : \$157,964   CUM : DC : \$654,869   CC : \$0   TC : \$654,869  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   L/D DRILL PIPE

DAILY DETAILS : WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12826 IN 89.60 AZ 1.47 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 12921 IN 88.81 AZ 359.62 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13016 IN 89.78 AZ 1.29 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13112 IN 88.55 AZ 357.25 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13207 IN 88.37 AZ 357.34 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13303 IN 88.55 AZ 355.67 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13398 IN 89.78 AZ 355.84 WOB 30, GPM 600, DIFF 150, TFO 90R. WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13493 IN 90.04 AZ 357.95 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13589 IN 89.16 AZ 356.81 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13684 IN 89.08 AZ 359.18 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13780 IN 89.52 AZ 2.87 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13875 IN 89.87 AZ 6.39 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 13971 IN 88.46 AZ 305 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14066 IN 88.90 AZ 2.26 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14161 IN 89.96 AZ 3.25 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14257 IN 89.78 AZ 0.85 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14352 IN 89.78 AZ 358.04 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14448 IN 90.13 AZ 357.51 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14543 IN 89.08 AZ 357.06 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14639 IN 89.87 AZ 357.86 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14734 IN 90.22 AZ 357.95 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14830 IN 89.52 AZ 359.18 WOB 30, GPM 600, DIFF 650, RPM 70. SURVEY @ 14919 IN 88.72 AZ 359.80 CIRCULATE 4 50 BBL HIGH VISS SWEEPS TO SURFACE RIG UP L/D MACHINE PULL 10 STANDS AND L/D DRILL PIPE AT 2200



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/11/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	MIKE GALLAHER JR/ MIKE CA	LAST CSG :	5.500	SHOE MD/TVD:	14,943 /
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:		1ST SALES :	

<b>REPORT DATE: 07/11/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :6	MW :	VISC :
DAILY: DC: \$70,310	CC :\$0	TC : \$70,310	CUM : DC : \$725,179	CC : \$0		TC : \$725,179
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
ACTIVITY AT REPORT TIME: waiting on lead cement						

DAILY DETAILS : L/D DRILL PIPE PULL WEAR BUSHING RIG UP CASING CREW AND HOLD SAFTEY MEETING RUN 5 1/2" DAVIS LYNCH FLOAT SHOE,, DAVIS LYNCH FLOAT COLLAR, CHECK FLOAT EQUIPMENT FOR CIRCULATION, RUN 185 JOINTS 5 1/2" 17 PPF, HC/P110 CASING, DAVIS LYNCH FLOATATION COLLAR, 16 JOINTS 5 1/2" 17 PPF, HC/P110 CASING, MARKER JOINT, RAN 138 JOINTS 5-1/2" 17 PPF , HC/P110 CASING. TOTAL 339 JOINTS .RAN 5 5/8" X 8 1/4" TURBULATORS ON EVERY OTHER JOINT AND CENTRIEERS ON EVERY 5 TH JOINT TOTAL 22. RIG DOWN CASING CREW AND LAY DOWN MACHINE AND RIG UP HEAD AND BLLED LINES AND FILL CASING. PRESSURE UP CASING TO 2365 PSI AND BLOW DISC IN FLOTAION COLLAR AND BLEED AIR OUT OF CASING AND CIRCULATE WELL WHILE WAITING ON CEMENT. WHILE WAITING NIPPLE UP TUBING SPOOL ON UNIVERSITY 43-0913H





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/12/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :
PROPERTY # :	071368	WI % :	75	NRI % :
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :
REPORTED BY:	MIKE GALLAHER JR/ MIKE CA	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:		1ST SALES :

<b>REPORT DATE: 07/12/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :7	MW :	VISC :
DAILY: DC: \$522,431	CC :\$0	TC : \$522,431	CUM : DC : \$1,247,610	CC : \$0		TC : \$1,247,610
FORMATION:		PBTD : 0	PERF :			PKR.DPTH:
ACTIVITY AT REPORT TIME:	RIG DOWN RIG					

DAILY DETAILS : CIRCULATE WELL @ 7 BBL PER MIN, WAIT ON HALLIBURTON TO LOAD CEMENT IN BENDS HELD SAFETY MEETING AND TEST LINES TO 7000 PSI.,PUMP 20 BLS OF FRESH WATER, MIX & PUMP 930 SX LEAD CEMENT (ECONOCHEM HLH +0.2% BENTONITE, + 0.5% HR-800 @ 11.5 PPG, YIELD 2.76, MIXED WITH 16.3 GAL FRESH WATER PER SACK. PUMPED @ 7.0 BPM. MIX & PUMP TAIL CEMENT 2200 SX VERSACHEM H + 0.7% HALAD23 + 0.1% WG 17 + 5% KCL + 5 LBM MICROBOND + .55 % HR-601 @ 14.4 PPG, YIELD 1.32, MIXED WITH 5.76 GAL FRESH WATER PER SACK. PUMPED @ 7.0 BPM. DROP TOP PLUG & DISPLACE WITH 346 BBL FRESH WATER @ 7.0 BPM. SLOW PUMPS TO 3.5 BPM LAST 20 BBL, BUMP PLUG WITH 2000 PSI @ 10:28 HRS. PRESSURE UP TO 3000 PSI, AND SHEAR PLUG @ 3500 PSI.PUMP 5 BBL OF SURGER WATER FOR WET SHOE, SHUT CASING IN AT HEAD WITH 1900 PSI. 197 BLS OF CEMENT BACK TO SURFACE 400 SACKS. NIPPLE DOWN BOP AND SET SLIPS WITH 110 K, MAKE ROUGH CUT AND LAY DOWN BOP AND IN STALL TUBING HEAD. RELEASED RIG ON 7-11-2012 @ 18:00 HRS ON 7-11-2012. RIG DOWN RIG AND MAKE READY TO MOVE FROM UNIVERSITY #43 0905 H TO THE UNIVERSITY 38 # 0603 H. NOTE: MOVED DRILL PIPE AND COLLARS TO NEW LOCATION, LAY DOWN TOP DRIVE, MAKE RIG FLOOR READY TO LAY DERRICK OVER. WAIT ON DAY



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	SAUTNER/WADE/ROCHELL/B/	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

<b>REPORT DATE: 08/18/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :10	MW :	VISC :
DAILY: DC: \$0	CC :\$310,677	TC : \$310,677	CUM : DC : \$1,247,610	CC : \$322,002	TC :	\$1,569,612
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API WIRELINE		GUN TYPE : HSC			OD : 3.13	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
14610	14611		60
14650	14651		60
14690	14691		60
14730	14731		60
14770	14771		60

ACTIVITY AT REPORT TIME: WIRELINE

DAILY DETAILS : Hold Safety Meeting, Test Lines. Stage #1 Perforating

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

Pump Down:	Max Rate 14.0	Max Psi 3,450	
Spot Acid Bbls.	48	Pump Down Fluid	1,224
Set Plug @	14,900'	Test Plug to	4,532 Psi
Perf Cluster #1	14,880'		
Break Down	2,740	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	14,610' to 14,880'		
POOH with wireline left remaining acid across perfs, All guns confirmed Fired			
Stage #1 Frac			
14,610' to	14,880'		
Max Psi 7,137	Max Rate 78.2	Avg Psi 6,853	Avg Rate 76.6
Total Clean Fluid	8,202	Production Water	4,710 57.4% Of Total Clean
Total Proppant	192,400	Max Prop Con.	2.00
ISIP 2490	Frac Gradient 0.81		

RIH set plug and shot 4 set of guns.  
POOH, establish bad switch causing 4 sets of guns not to go off. down time for 3 runs Stage #2 Perforating

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

Pump Down:	Max Rate 14.6	Max Psi 3,056
Spot Acid Bbls.	72	Pump Down Fluid 1,570
Set Plug @	14,580'	Test Plug to 4,535 Psi
Perf Cluster #1	14,560'	
Break Down	3,056	Psi Pump 12 bbls acid into cluster #1
Perforated Interval	14,280' to 14,560'	
POOH with wireline left remaining acid across perfs, All guns confirmed fired		

Stage #2 Frac

14,280' to	14,560'		
Max Psi 7,720	Max Rate 82.4	Avg Psi 6,921	Avg Rate 78.8
Total Clean Fluid	8,790	Production Water	5,170 58.8% Of Total Clean
Total Proppant	287,220	Max Prop Con.	2.00
ISIP 2510	Frac Gradient 0.81		

Stage #3 Perforating

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

Pump Down:	Max Rate 15.5	Max Psi 6,000
Spot Acid Bbls.	48	Pump Down Fluid 514
Set Plug @	14,240'	Test Plug to 4,702 Psi
Perf Cluster #1	14,220'	





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	SAUTNER/WADE/ROCHELL/B/	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

Break Down 6,000 Psi Pump 12 bbls acid into cluster #1

Perforated Interval 13,950' to 14,220'

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

stage 3- shut down for weather, had to go to flush, on 1.75# 100 mesh

down for weather Stage #3 Frac

13,950' to 14,220'

Max Psi 7,620 Max Rate 82.0 Avg Psi 6,396 Avg Rate 81.0

Total Clean Fluid 7,673 Production Water 3,590 46.8% Of Total Clean

Total Proppant 288,060 Max Prop Con. 2.00

ISIP 2650 Frac Gradient 0.83

upps to do mantence, no incidents or accidents



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

<b>REPORT DATE: 08/19/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :11	MW :	VISC :
DAILY: DC: \$0	CC :\$443,098	TC : \$443,098	CUM : DC: \$1,247,610	CC : \$765,100	TC :	\$2,012,710
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API WIRELINE		GUN TYPE : HSC			OD : 3.13	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
13780	13781		60
13815	13816		60
13860	13861		60
13900	13901		60
13300	13301		60

ACTIVITY AT REPORT TIME: PERFORATE

DAILY DETAILS : Safety Meeting, Test Pumps and Lines to 8600 psi, Set trips 7700 psi to 7900 psi, Rupture disc rated to 8500 psi Stage #4 Perforating

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

Pump Down:	Max Rate 15.3	Max Psi	2,935
Spot Acid Bbls.	48	Pump Down Fluid	463
Set Plug @	13,920'	Test Plug to	4,537 Psi
Perf Cluster #1	13,900'		
Break Down	3,007	Psi	Pump
Perforated Interval	13,620' to 13,900'		12 bbls acid into cluster #1

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

API 121, Peak 5502

Stage #4 Frac

13,620' to 13,900'				
Max Psi 7,059	Max Rate 82.0	Avg Psi 6,172	Avg Rate 79.7	
Total Clean Fluid	5,955	Production Water	2,450	41.1% Of Total Clean
Total Proppant	336,480	Max Prop Con.	3.00	
ISIP 2486	Frac Gradient 0.80			Standby due to lightning Stage #5 Perforating

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

Pump Down:	Max Rate 15.7	Max Psi	3,015
Spot Acid Bbls.	48	Pump Down Fluid	437
Set Plug @	13,590'	Test Plug to	4,552 Psi
Perf Cluster #1	13,570' with 6		
Break Down	3,058	Psi	Pump
Perforated Interval	13,300' to 13,570'		12 bbls acid into cluster #1

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

API 121, Peak 5502

Stage #5 Frac

13,300' to 13,900'				
Max Psi 6,545	Max Rate 82.5	Avg Psi 6,073	Avg Rate 80.0	
Total Clean Fluid	5,848	Production Water	2,350	40.2% Of Total Clean
Total Proppant	336,200	Max Prop Con.	3.00	
ISIP 2420	Frac Gradient 0.79			Stage #6 Perforating

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



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

Pump Down: Max Rate 15.5 Max Psi 2,970  
 Spot Acid Bbls. 48 Pump Down Fluid 399  
 Set Plug @ 13,260' Test Plug to 4,501 Psi  
 Perf Cluster #1 13,240'  
 Break Down 3,013 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 12,960' to 13,240'  
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

API 121, Peak 5502

Stage #6 Frac

12,960' to 13,240'  
 Max Psi 6,510 Max Rate 82.4 Avg Psi 5,868 Avg Rate 81.1  
 Total Clean Fluid 5,897 Production Water 2,660 45.1% Of Total Clean  
 Total Proppant 338,840 Max Prop Con. 3.00  
 ISIP 2236 Frac Gradient 0.77

Stage #7 Perforating

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

Pump Down: Max Rate 15.9 Max Psi 2,988  
 Spot Acid Bbls. 48 Pump Down Fluid 368  
 Set Plug @ 12,925' Test Plug to 4,734 Psi  
 Perf Cluster #1 12,905'  
 Break Down 2,988 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 12,636' to 12,905'  
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

API 121, Peak 5502

Stage #7 Frac

12,636' to 12,905'  
 Max Psi 7,480 Max Rate 82.0 Avg Psi 5,827 Avg Rate 81.0  
 Total Clean Fluid 5,669 Production Water 2,040 36.0% Of Total Clean  
 Total Proppant 335,441 Max Prop Con. 3.00  
 ISIP 2530 Frac Gradient 0.81

Stage #8 Perforating

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

Pump Down: Max Rate 15.2 Max Psi 4,230  
 Spot Acid Bbls. 48 Pump Down Fluid 350  
 Set Plug @ 12,600' Test Plug to 4,684 Psi  
 Perf Cluster #1 12,580'  
 Break Down 4,230 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 12,300' to 12,580'  
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

API 121, Peak 5502

Stage #8 Frac

12,300' to 12,580'  
 Max Psi 7,410 Max Rate 82.5 Avg Psi 4,702 Avg Rate 80.9



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

Total Clean Fluid	5,628	Production Water	0	0.0%	Of Total Clean
Total Proppant	336,859	Max Prop Con.	3.00		
ISIP 2510	Frac Gradient	0.81			

## Stage #9 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	2,912
Spot Acid Bbls.	48	Pump Down Fluid	407
Set Plug @	12,270'	Test Plug to	4,570 Psi
Perf Cluster #1	12,250'		
Break Down	2,912 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	11,970' to 12,250'		

POOH with wireline ,All guns confirmed fired. pump acid away 38 bpm @ 3260 psi

API 121, Peak 5502

UPPS TO DO MANTENACE, NO INCIDENTS OR ACIDENTS



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

<b>REPORT DATE: 08/20/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :12	MW :	VISC :
DAILY: DC: \$0	CC :\$365,332	TC : \$365,332	CUM : DC: \$1,247,610	CC : \$1,130,432	TC :	\$2,378,042
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API WIRELINE		GUN TYPE : HSC	OD : 3.13			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
11640	11641		60
11680	11681		60
11720	11721		60
11760	11761		60
11800	11801		60

ACTIVITY AT REPORT TIME: FRAC

DAILY DETAILS : Safety Meeting, Test Pumps Lines to 8300 psi, Set trips 7700 psi to 7900 psi, Rupture disc rated to 8500 psi Stage #9 Frac

11,970' to 12,250'					
Max Psi 7,415	Max Rate 82.1	Avg Psi 5,203	Avg Rate 80.3		
Total Clean Fluid 5,649	Production Water 540	9.6%	Of Total Clean		
Total Proppant 336,831	Max Prop Con. 3.00				
ISIP 2512	Frac Gradient 0.81		Stage #10 Perforating		

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

Pump Down:	Max Rate 15.3	Max Psi 2,926	
Spot Acid Bbls. 48	Pump Down Fluid 348		
Set Plug @ 11,940'	Test Plug to 4,534	Psi	
Perf Cluster #1 11,920'			
Break Down 2,980	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 11,640' to 11,915'			

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

API 121, Peak 5502

Stage #10 Frac

11,640' to 11,915'				
Max Psi 5,879	Max Rate 83.8	Avg Psi 5,146	Avg Rate 81.6	
Total Clean Fluid 5,643	Production Water 1,010	17.9%	Of Total Clean	
Total Proppant 336,993	Max Prop Con. 3.00			
ISIP 2612	Frac Gradient 0.82		Stage #11 Perforating	

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

Pump Down:	Max Rate 15.3	Max Psi 3,170	
Spot Acid Bbls. 48	Pump Down Fluid 330		
Set Plug @ 11,606'	Test Plug to 4,554	Psi	
Perf Cluster #1 11,585'			
Break Down 3,374	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 11,310' to 11,585'			

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

API 121, Peak 5502

Stage #11 Frac

11,310' to 11,585'			
Max Psi 6,300	Max Rate 83.6	Avg Psi 5,560	Avg Rate 82.0



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

Total Clean Fluid 5,825 Production Water 1,170 20.1% Of Total Clean  
 Total Proppant 336,600 Max Prop Con. 3.00  
 ISIP 2506 Frac Gradient 0.81 DOWN TIME:(WIRELINE COMPANY) Plug didn't  
 set . Plug shoot adapter or diode bad. Stage #12 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 2,771  
 Spot Acid Bbls. 96 Pump Down Fluid 593  
 Set Plug @ 11,280' Test Plug to 4,527 Psi  
 Perf Cluster #1 11,260'  
 Break Down 3,191 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 10,985' to 11,260'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 API 121, Peak 5502 Stage #12 Frac

10,985' to 11,260'  
 Max Psi 5,730 Max Rate 81.7 Avg Psi 4,988 Avg Rate 80.7  
 Total Clean Fluid 6,034 Production Water 1,300 21.5% Of Total Clean  
 Total Proppant 336,030 Max Prop Con. 3.00  
 ISIP 2730 Frac Gradient 0.84  
 Stage #13 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 2,746  
 Spot Acid Bbls. 48 Pump Down Fluid 295  
 Set Plug @ 10,950' Test Plug to 4,550 Psi  
 Perf Cluster #1 10,930'  
 Break Down 3,180 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 10,650' to 10,930'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 API 121, Peak 5502 DOWN TIME:(FRAC/ACID/COMPANY) Curb  
 side engine wouldn't start and stay running. Had to replace throttle sensor.Had to wait on part to be brought out from San  
 Angelo,Texas.Once part was replaced problem was not fixed.Decided to switch out blender and start back in a.m. UPPS will repair  
 and maintain equipment.No incidents or accidents reported.





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/21/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

<b>REPORT DATE: 08/21/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :13	MW :	VISC :
DAILY: DC: \$0	CC :\$548,456	TC : \$548,456	CUM : DC: \$1,247,610	CC : \$1,678,888	TC :	\$2,926,498
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API WIRELINE		GUN TYPE : HSC			OD : 3.38	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
10325	10326		60
10360	10361		60
10400	10401		60
10440	10441		60
10480	10481		60

ACTIVITY AT REPORT TIME: FRAC

DAILY DETAILS : Hold Safety Meeting, Test Lines. Down due to frac van, new van put into place. Stage #13 Frac

10,650' to 10,930'					
Max Psi 7,080	Max Rate 81.6	Avg Psi 5,070	Avg Rate 79.2		
Total Clean Fluid 5,893	Production Water 2,300	39.0%	Of Total Clean		
Total Proppant 336,421	Max Prop Con. 3.00				
ISIP 2660	Frac Gradient 0.83				Stage #14 Perforating

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

Pump Down:	Max Rate 15.2	Max Psi 3,217	
Spot Acid Bbls. 48	Pump Down Fluid 293		
Set Plug @ 10,620'	Test Plug to 4,533	Psi	
Perf Cluster #1 10,600'			
Break Down 3,279	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 10,320' to 10,600'			

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

API 121, Peak 5502

Stage #14 Frac

10,320' to 10,600'				
Max Psi 7,438	Max Rate 82.4	Avg Psi 5,387	Avg Rate 79.3	
Total Clean Fluid 5,992	Production Water 1,150	19.2%	Of Total Clean	
Total Proppant 339,784	Max Prop Con. 3.00			
ISIP 2565	Frac Grad. 0.82			Stage #15 Perforating

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

Pump Down:	Max Rate 15.2	Max Psi 3,043	
Spot Acid Bbls. 48	Pump Down Fluid 284		
Set Plug @ 10,290'	Test Plug to 4,559	Psi	
Perf Cluster #1 10,270'			
Break Down 3,072	Psi Pump 12 bbls acid into cluster #1		
Perforated Interval 9,990' to 10,270'			

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

API 121, Peak 5502

Stage #15 Frac

9,990' to 10,270'			
Max Psi 5,829	Max Rate 82.0	Avg Psi 5,049	Avg Rate 81.3



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/21/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,968 / 6,731	
COUNTY,ST. :		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:ROCHELL/BARBER/CABALLO:				LAST CSG :		5.500		SHOE MD/TVD:		14,943 / 6,720	
RIG CONTR. :		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:		7/11/2012		1ST SALES :			

Total Clean Fluid	5,849	Production Water	1,660	28.4%	Of Total Clean
Total Proppant	339,367	Max Prop Con.	3.00		
ISIP	2447	Frac Grad.	0.80		Stage #16 Perforating

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

Pump Down:	Max Rate 14.8	Max Psi	3,048
Spot Acid Bbls.	48	Pump Down Fluid	276
Set Plug @	9,960'	Test Plug to	4,482 Psi
Perf Cluster #1	9,940'		
Break Down	3,165	Psi	Pump
Perforated Interval	9,662' to 9,940'		12 bbls acid into cluster #1

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

API 121, Peak 5502

Stage #16 Frac

9,662' to 9,940'				
Max Psi	5,910	Max Rate	82.1	Avg Psi 4,862 Avg Rate 81.4
Total Clean Fluid	5,515	Production Water	1,960	35.5% Of Total Clean
Total Proppant	341,805	Max Prop Con.	3.00	
ISIP	2175	Frac Grad.	0.76	

Stage #17 Perforating

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

Pump Down:	Max Rate 15.0	Max Psi	2,952
Spot Acid Bbls.	48	Pump Down Fluid	266
Set Plug @	9,632'	Test Plug to	4,570 Psi
Perf Cluster #1	9,610'		
Break Down	3,282	Psi	Pump
Perforated Interval	9,330' to 9,610'		12 bbls acid into cluster #1

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

API 121, Peak 5502

Stage #17 Frac

9,330' to 9,610'				
Max Psi	7,760	Max Rate	81.1	Avg Psi 5,356 Avg Rate 78.8
Total Clean Fluid	5,735	Production Water	2,190	38.2% Of Total Clean
Total Proppant	333,840	Max Prop Con.	3.00	
ISIP	2735	Frac Grad.	0.84	

Stage #18 Perforating

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

Pump Down:	Max Rate 15.1	Max Psi	3,187
Spot Acid Bbls.	48	Pump Down Fluid	258
Set Plug @	9,300'	Test Plug to	4,501 Psi
Perf Cluster #1	9,280'		
Break Down	3,305	Psi	Pump
Perforated Interval	8998' to 9,280'		12 bbls acid into cluster #1

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

API 121, Peak 5502

Stage #18 Frac

8,998' to 9,280'				
Max Psi	5,980	Max Rate	81.6	Avg Psi 4,267 Avg Rate 80.6
Total Clean Fluid	5,695	Production Water	0	0.0% Of Total Clean



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/21/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	ROCHELL/BARBER/CABALLO	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

Total Proppant	335,148	Max Prop Con.	3.00
ISIP 2799	Frac Grad.	0.85	

Stage #19 Perforating

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

Pump Down:	Max Rate 15.0	Max Psi	3,272
Spot Acid Bbls.	48	Pump Down Fluid	249
Set Plug @	8,970'	Test Plug to	4,516 Psi
Perf Cluster #1	8,950'		
Break Down	3,640	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	8,670' to	8,950'	

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

API 121, Peak 5502

Stage #19 Frac

8,670' to	8,950'			
Max Psi 5,600	Max Rate 83.5	Avg Psi 4,490	Avg Rate 83.0	
Total Clean Fluid	5,646	Production Water	0	0.0% Of Total Clean
Total Proppant	336,344	Max Prop Con.	3.00	
ISIP 2675	Frac Grad.	0.83		

Stage #20 Perforating

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

Pump Down:	Max Rate 15.1	Max Psi	3,346
Spot Acid Bbls.	48	Pump Down Fluid	301
Set Plug @	8,630'	Test Plug to	4,360 Psi
Perf Cluster #1	8,610'		
Break Down	3,667	Psi Pump	12 bbls acid into cluster #1
Perforated Interval	8,340' to	8,610'	

POOH with wireline. All guns confirmed Fired. Put acid away 43.2 BPM @ 4464 PSI

API 121, Peak 5502

UPPS will repair and maintain equipment.No incidents or accidents

reported.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/22/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	SPURLIN/THOMPSON/CABALL	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

**REPORT DATE: 08/22/2012** MD :14968 TVD :6731 PROGRESS : 0 DAYS : 14 MW : VISC :  
 DAILY: DC: \$0 CC :\$503,877 TC : \$503,877 CUM : DC : \$1,247,610 CC : \$2,182,765 TC : \$3,430,375  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: FRAC STG 20

DAILY DETAILS : Safety Meeting, Pressure Test Lines, Rupture Discs Rated For 8,500PSI Start fracing Stg 20 Down Due To Iron Failure, 1502 to 1002 change over between the chixon and the well head flange failed @ 50bpm and 7,746psi. Flowback 400 bbls Stage #20 Frac

8,340'	to	8,610'		
Max Psi	7,573	Max Rate	81.3	Avg Psi 5,163 Avg Rate 76.9
Total Clean Fluid	6,684	Production Water	2,760	41.3% Of Total Clean
Total Proppant	338,006	Max Prop Con.	2.50	
ISIP	2785	Frac Grad.	0.85	

Cant get wireline through the #1 valve, call Tony

to come check problem. Took frac stack off to #2 valve and didn't find anything wrong with #2 valve or rest of stack. Checked seals on #1 valve and they checked out good. Replace stack with another #2 valve and attempt to GIH W/wireline and 4.3" setting tool. Tagged something hard just below #1 valve. GIH W/ 3 3/8" O.D. tool. Tool tagged at same spot (just below #1 valve). GIH w/wireline W/3 1/8" tool and still tagged at same spot. Secure well. RDMO location with all frac and associated equipment. No incidents or accidents reported.

## Frac Operations Summary

Total combined sand = 6,498,669 LBS.

100 Mesh = 3030146 LBS.

40/70 = 3468523 LBS.

7.5% Acid = 1032 BBLS.

Clean water = 123,822 BBLS.

Produced water = 39,010 bbls.

EPA Fuel usage for frac operations

Red Diesel = 22,839 GALS.

Clear Diesel = 2383 GALS.

Total Frac Plugs = 19 EACH

Total Bridge plugs = 1 EACH



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/27/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :
PROPERTY # :	071368	WI % :	75	NRI % :
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :
REPORTED BY:	SAUTNER	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :

**REPORT DATE: 08/25/2012**   MD :14968   TVD :6731   PROGRESS : 0   DAYS :17   MW :   VISC :  
 DAILY: DC: \$0   CC :\$8,305   TC : \$8,305   CUM : DC : \$1,247,610   CC : \$2,209,528   TC : \$3,457,138  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME: FLOWBACK

DAILY DETAILS : Tubing Pressure: 0 psi  
 Casing Pressure: 1500 psi  
 Choke: 8 64th in  
 Oil in last hour: 0 bbls  
 Oil in last 24 hours: 0 bbls  
 Water in last hour: 30 bbls  
 Water in last 24 Hours: 807 bbls  
 Gas last hour: 0 mcf  
 Avg Gas in last 24 hours: 0 mcf  
 Load Water: 162922 bbls  
 Load Water Recovered: 2121 bbls  
 % Load Water Recovered: 1 %  
 Chlorides: 0 ppm  
 Proppant: 0 gal/hr  
 H2S: 0 ppm  
 CO2: 0 mole %  
 Oil Gravity: 0

**REPORT DATE: 08/26/2012**   MD :14968   TVD :6731   PROGRESS : 0   DAYS :18   MW :   VISC :  
 DAILY: DC: \$0   CC :\$8,305   TC : \$8,305   CUM : DC : \$1,247,610   CC : \$2,217,833   TC : \$3,465,443  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME: FLOWBACK WELL

DAILY DETAILS : Tubing Pressure: 0 psi  
 Casing Pressure: 1450 psi  
 Choke: 10 64th in  
 Oil in last hour: 0 bbls  
 Oil in last 24 hours: 0 bbls  
 Water in last hour: 40 bbls  
 Water in last 24 Hours: 907 bbls  
 Gas last hour: 0 mcf  
 Avg Gas in last 24 hours: 0 mcf  
 Load Water: 162922 bbls  
 Load Water Recovered: 3028 bbls  
 % Load Water Recovered: 2 %  
 Chlorides: 0 ppm  
 Proppant: 0 gal/hr  
 H2S: 0 ppm  
 CO2: 0 mole %  
 Oil Gravity: 0



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/27/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :
PROPERTY # :	071368	WI % :	75	NRI % :
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :
REPORTED BY:	SAUTNER	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :

<b>REPORT DATE: 08/27/2012</b>	MD :14968	TVD :6731	PROGRESS : 0	DAYS :19	MW :	VISC :
DAILY: DC: \$0	CC :\$3,905	TC : \$3,905	CUM : DC : \$1,247,610	CC : \$2,221,738	TC :	\$3,469,348
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME:	WELL SHUT IN					

DAILY DETAILS : Tubing Pressure: 0 psi  
 Casing Pressure: 1400 psi  
 Choke: 10 64th in  
 Oil in last hour: 0 bbls  
 Oil in last 24 hours: 0 bbls  
 Water in last hour: 34 bbls  
 Water in last 24 Hours: 928 bbls  
 Gas last hour: 0 mcf  
 Avg Gas in last 24 hours: 0 mcf  
 Load Water: 162922 bbls  
 Load Water Recovered: 3217 bbls  
 % Load Water Recovered: 2 %  
 Chlorides: 0 ppm  
 Proppant: 0 gal/hr  
 H2S: 0 ppm  
 CO2: 0 mole %  
 Oil Gravity: 0 SHUT WELL IN @ 11:00 HRS.  
 ACTIVITY: WELL SHUT IN. WELL RESUME REPORTS WHEN MOVE BACK ON TO FLOWBACK WELL





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 9/20/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	WEST	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

**REPORT DATE: 09/20/2012**   MD :14968   TVD :6731   PROGRESS :   DAYS :20   MW :   VISC :  
 DAILY: DC: \$0   CC :\$8,912   TC : \$8,912   CUM : DC : \$1,247,610   CC : \$2,230,650   TC : \$3,478,260  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   PREP TO RUN WORK STRING

DAILY DETAILS : NO ACTIVITY. FLOW WELL TO TANK RU CUDD PUMP TRUCK. TEST LINES TO 5000 PSIG. PUMP 200 BBW @ 12.5 TO 7 BPM  
 HOLE LOADED AT 47 BBLS & PRESSURE INCREASED TO 4700 PSIG. ISIP 650 PSIG. WELL BLED TO 0 PSI IN 30 MIN. WITH  
 WELL ON SLIGHT VACUUM ND FRAC VALVE & REMOVE SAME. INSPECT WELL HEAD & CASING INSIDE B SECTION. FOUND  
 NO DAMAGE AT SURFACE. INSTALL HANGER W/ BPV. NO ACTIVITY. WO CAMERON HAND TO TEST SEALS RETEST SEALS  
 TO 5000 PSI AND HELD OK. SET IN SUPPORT EQUIPMENT. RACKS, LD MACHINE, & NU BOP'S RUCU. WELL SHUT IN  
 SECURE. NO ACTIVITY.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 9/21/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	WEST	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

**REPORT DATE: 09/21/2012**   MD :14968   TVD :6731   PROGRESS :   DAYS :21   MW :   VISC :  
 DAILY: DC: \$0   CC :\$22,804   TC : \$22,804   CUM : DC : \$1,247,610   CC : \$2,253,454   TC : \$3,501,064  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   PREP TO KILL WELL & LD REMAINDER OF WORK STRING

DAILY DETAILS : NO ACIVITY OFF LOAD 473 JTS OF NEW 2-7/8" 7.9# P-110 PH-6 TUBING & 47 JTS OF USED 2-7/8" TUBING. LOAD 300 JTS ON RACKS. REMOVE NEW FEMALE PROTECTOR & LOOSEN MALE PROTECTORS. TALLEY 300 JT OF WORK STRING AND JTS AVERAGED 31.25' / JT. PU USED BIT AND RIH W/ BIT TO 3125'. LOAD TUBING W/ FW & CIRCULATE OUT 50 BBLS BW TO PIT. LUNCH 30 MIN. RIH W/ BIT TO 6250'. LOAD TUBING & CIRCULATE WELL W/ 100 BBLS FW TO REMOVE 10 PPG BW. CONTINUE IN HOLE W/ BIT ON WORK STRING. DID NOT TAG CFP @ 8630' AS ANTICIPATED. CONTINUED IN HOLE & PUSHED PLUG TO 8850'. PU POWER SWIVEL & RU FLOOR TO DRILL OUT TO 8970'. DRILL W/ LITTLE RESISTENCE F/ 8850' TO 8955' TUBING TALLEY & ROTATE ON PLUG F/ 5 MIN W/ NO MOVE MENT. CIRCULATE HOLE CLEAN W/ FW. SET OUT SWIVEL & RU FLOOR TO PULL WORK STRING. POOH STANDING 80 JTS OF WORK STRING IN DERRICK. HAD NO DRAG POOH. SHUT WELL IN AND SECURE. WELL SHUT IN AND SECURE. NO ACTIVITY



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 9/24/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	WEST	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

<b>REPORT DATE: 09/22/2012</b>	MD :14968	TVD :6731	PROGRESS :	DAYS :22	MW :	VISC :
DAILY: DC: \$0	CC :\$14,461	TC : \$14,461	CUM : DC : \$1,247,610	CC : \$2,267,915	TC :	\$3,515,525
FORMATION:		PBTD :	0	PERF :		PKR.DPTH:
ACTIVITY AT REPORT TIME:	WO FRAC					

DAILY DETAILS : NO ACTIVITY. KILL WELL W/ CIRCULATION DOWN 2-7/8" TUBING. POOH & LAY DOWN 206 JTS OF WORK STRING. RUN 40 STANDS OF WORK STRING F/ DERRICK & LD SAME. ND DRILL STACK AND NU 10K X 7-1/16" MANUAL FRAC VALVE AND SHUT WELL IN TO SECURE. SET OUT WORK STRING, SWIVEL, RACKS, LD MACHINE, & PUMP EQUIPMENT. RD&MOCU. WELL SHUT IN AND SECURE. NO ACTIVITY



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/9/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	COMP
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :	\$1,405,352 CWC : \$4,593,500
REPORTED BY:	BARBER/ROCHELL/STEWART	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

**REPORT DATE: 10/09/2012** MD :14968 TVD :6731 PROGRESS : 0 DAYS :23 MW : VISC :  
 DAILY: DC: \$0 CC :\$442,973 TC : \$442,973 CUM : DC : \$1,247,610 CC : \$2,710,888 TC : \$3,958,498  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 CONTRACTOR : API WIRELINE GUN TYPE : HSC OD : 3.125

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
8008	8009	6	60
8050	8051	6	60
8090	8091	6	60
8130	8131	6	60
8170	8171	6	60

ACTIVITY AT REPORT TIME: WIRELINE

DAILY DETAILS : Safety Meeting / Test pumps and lines to 8500 psi / Pressure trips range 8000 psi to 8300 psi / Rupture disc rated to 8500 psi Flush with 300 bbls 18 bpm @ 4079 psi Stage #21 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 4,175  
 Spot Acid Bbls. 48 Pump Down Fluid 541  
 Set Plug @ 8,310' Test Plug to 4,558 Psi  
 Perf Cluster #1 8,290'  
 Break Down 3,602 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 8,008' to 8,290'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API 121, Peak 5502

Stage #21 Frac

8,008' to 8,290'  
 Max Psi 7,700 Max Rate 82.0 Avg Psi 5,749 Avg Rate 79.4  
 Total Clean Fluid 5,890 Production Water 0 0.0% Of Total Clean  
 Total Proppant 334,846 Max Prop Con. 3.00  
 ISIP 2855 Frac Grad. 0.86  
 Stage # 21 Step Test  
 ISIP - psi 2304  
 MD to 1st Perf 8,008  
 Step Rate Pressure  
 1 76 7,680  
 2 60 6,980  
 3 44.7 5,531  
 4 35 4,500

Stage #22 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 3,462  
 Spot Acid Bbls. 48 Pump Down Fluid 229  
 Set Plug @ 7,980' Test Plug to 4,520 Psi  
 Perf Cluster #1 7,944'  
 Break Down 3,510 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 7,680' to 7,944'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API 121, Peak 5502

Stage #22 Frac



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/9/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,968 / 6,731	
COUNTY,ST. :		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:		BARBER/ROCHELL/STEWART		LAST CSG :		5.500		SHOE MD/TVD:		14,943 / 6,720	
RIG CONTR. :		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:		7/11/2012		1ST SALES :			

7,680' to 7,944'  
 Max Psi 7,317 Max Rate 81.3 Avg Psi 5,696 Avg Rate 78.9  
 Total Clean Fluid 5,475 Production Water 0 0.0% Of Total Clean  
 Total Proppant 335,200 Max Prop Con. 3.00  
 ISIP 2650 Frac Grad. 0.83  
 Stage # 22 Step Test  
 ISIP - psi 2603  
 MD to 1st Perf 7,680  
 Step Rate Pressure  
 1 72.4 7,463  
 2 58.3 6,023  
 3 40 4,900  
 4 24.5 3,427 Stage #23 Perforating  
 Perforate w/ 3 3/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 14.6 Max Psi 4,105  
 Spot Acid Bbls. 48 Pump Down Fluid 220  
 Set Plug @ 7,650' Test Plug to 4,405 Psi  
 Perf Cluster #1 7,630'  
 Break Down 4,080 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 7,350' to 7,630'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API 121, Peak 5502

Stage #23 Frac

7,350' to 7,630'  
 Max Psi 6,049 Max Rate 81.2 Avg Psi 5,211 Avg Rate 80.2  
 Total Clean Fluid 5,524 Production Water 0 0.0% Of Total Clean  
 Total Proppant 337,214 Max Prop Con. 3.00  
 ISIP 2668 Frac Grad. 0.83

Stage # 23  
 ISIP - psi 2668  
 MD to 1st Perf 7,350  
 Step Rate Pressure  
 1 65.6 6,260  
 2 52.7 5,316  
 3 38.8 4,119  
 4 20.3 3,085

Stage #24 Perforating

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

Pump Down: Max Rate 15.0 Max Psi 3209  
 Spot Acid Bbls. 60 Pump Down Fluid 215  
 Set Plug @ 7,320' Test Plug to 4,421 Psi  
 Perf Cluster #1 7,303'  
 Break Down 3,209 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 7,020' to 7,303'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API 121, Peak 5502

Stage #24 Frac



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/9/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,968 / 6,731	
COUNTY,ST.:		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:		BARBER/ROCHELL/STEWART		LAST CSG :		5.500		SHOE MD/TVD:		14,943 / 6,720	
RIG CONTR.:		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:		7/11/2012		1ST SALES :			

7,020' to 7,303'					
Max Psi 7,800	Max Rate 80.5	Avg Psi 5,009	Avg Rate 79.9		
Total Clean Fluid 5,461		Production Water 0	0.0%	Of Total Clean	
Total Proppant 335,840		Max Prop Con. 3.00			
ISIP 2918	Frac Grad. 0.87				

Stage # 24	
ISIP - psi 2577	
MD to 1st Perf 7,020	
Step Rate Pressure	
1 74.5 7,207	
2 66.5 6,336	
3 50.1 4,791	
4 36.5 3,875	

RDMO, Frac (UPPI), WL (API), Lubricator &amp; BOP (Peak),

Water Transfer (Kyukendall) (Hydrozonix). Secure Well Frac operations complete / End of well totals as follows

Well Totals

100 Mesh - 3,601,826 lbs

40/70 - 4, 239,943 lbs

Clean Fluid - 146,172 bbls

Produced - 39,010 bbls

Fuel Clear - 3,238 gal

Dyed - 27,731 gal

7 1/2% HCL - 51,912 gal

CBP - 2

CFP - 23





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/15/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :
PROPERTY # :	071368	WI % :	75	NRI % :
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :

**REPORT DATE: 10/12/2012** MD :14968 TVD :6731 PROGRESS : DAYS :24 MW : VISC :  
 DAILY: DC: \$0 CC :\$16,594 TC : \$16,594 CUM : DC: \$1,247,610 CC : \$2,727,482 TC : \$3,975,092  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: TIH W/ BHA & W/S TAG CAP PLUG

DAILY DETAILS : NO ACTIVITY MI & RUWSU NABORS # 227 SPOT RIG SUPPORT EQUIP & UNLOAD W/S ND WELL CAP & SENT IN W/ DALE MEYER TO DELIVER TO CAMERON, NU BOP STACK SWI SDFN NO ACCIDENTS REPORTED , FUEL USAGE TOLAL =RIG 25 GAL NO ACTIVITY

**REPORT DATE: 10/14/2012** MD :14968 TVD :6731 PROGRESS : 0 DAYS :26 MW : VISC :  
 DAILY: DC: \$0 CC :\$30,797 TC : \$30,797 CUM : DC: \$1,247,610 CC : \$2,758,279 TC : \$4,005,889  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: D/O CFPS

DAILY DETAILS : NO ACTIVITY CREW SAFETY MEETING BREAK CIRCL. START D/O ON CAP PLUG @ 7:15 D/O CFP 1-11 OF 24 WASH DOWN @ # 12 , START TORQUE @ 1,800 FP W/ 211 JTS IN HOLE ,1,650 PSI W/ RATE 3.8 BPM , END TORQUE 3,000 FP W/ 352 JTS IN HOLE 1,525 PSI 4.7 BPM RATE, PLUGS DRILLED OUT 5-10 MIN. 30 MIN WASH DOWN WELL HAS HEAVY SAND IN RETURNS , PUMP MF-55 SWEEP AFTER EVERY PLUG CIRCULATE SWEEP BETWEEN EA. WASH DOWN TO KEEP WELL BORE CLEAN FLOW BACK & CIRCULATE WELL OVER NIGHT W/ FLOW BACK CREW SUPERVISON , ROTATE PIPE 10 MIN EVERY HR, PUMP SWEEP @ 12:00 & 5:00 A:M

Well Name :

University 43 #0905H

Tubing Pressure : psi

Casing Pressure : 40 psi

Choke : 0/64th in

Oil in last hour : 0 bbls

Oil in last 24 hours : 0 bbls

Water in last hour : 6 bbls

Water in last 24 Hours : 130 bbls

Gas last hour : 0 mcf

Avg Gas in last 24 hours : mcf

Load Water : 185615 bbls

Load Water Recovered : 130.00 bbls

% Load Water Recovered : 0.07 %

Chlorides : 53333 ppm

Proppant : gal/hr

H2S : 0 ppm

CO2 : mole %

Oil Gravity :

NO ACCIDENTS REPORTED FUEL UASGE = RIG 75 GAL, PUMP 250 GAL = 325 GAL CLEAR DIESEL



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/15/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	<b>MIDLAND</b>
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :
PROPERTY # :	071368	WI % :	75	NRI % :
AFE# :	104980	AFE TOTAL :	\$5,998,852	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :

**REPORT DATE: 10/15/2012**   MD :14968   TVD :6731   PROGRESS : 0   DAYS :27   MW :   VISC :  
 DAILY: DC: \$0   CC :\$32,694   TC : \$32,694   CUM : DC : \$1,247,610   CC : \$2,790,973   TC : \$4,038,583  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   LD W/S , KILL WELL PREPARE TO RUN PROD TBG.

DAILY DETAILS : WELL ON FLOW BACK & CIRCULATION W/ 40 PSI CSG. @ 6 BPH FLOW BACK CREW SAFETY MEETING CONT. D/O CFPS  
 12-20 OF 24 W/D @ # 21 START TORQUE @ 2,800 FP W/ 352 JTS IN HOLE PUMP @ 1,650 PSI W/ 4.7 BPM END TORQUE @  
 3,400 FP W/ 448 JTS IN HOLE @ 1,850 PSI W/ 4.7 BPM W/ HEAVY SAND IN RETURNS LOW BOTTOM HOLE PRESSURE  
 MAKES SLOW D/O, PUMP SWEEPS TO HELP CLEAN RETURNS WELL ON FLOW BACK & CIRCULATION W/ FLOW BACK  
 CREW SUPERVISION , ROTATE 10 MIN EVERY HR   Well Name : University 43 #0905H  
 Tubing Pressure : psi  
 Casing Pressure : 50 psi  
 Choke : 0/64th in  
 Oil in last hour : 0 bbls  
 Oil in last 24 hours : 0 bbls  
 Water in last hour : 6 bbls  
 Water in last 24 Hours : 130 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 185615 bbls  
 Load Water Recovered : 260.00 bbls  
 % Load Water Recovered : 0.14 %  
 Chlorides : 53333 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/16/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,968 / 6,731	
COUNTY,ST. :		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:		JOHN DAGENHART		LAST CSG :		5.500		SHOE MD/TVD:		14,943 / 6,720	
RIG CONTR. :		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:		7/11/2012		1ST SALES :			

**REPORT DATE: 10/16/2012** MD :14968 TVD :6731 PROGRESS : 0 DAYS :28 MW : VISC :  
 DAILY: DC: \$0 CC :\$33,154 TC : \$33,154 CUM : DC : \$1,247,610 CC : \$2,824,127 TC : \$4,071,737  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: RIH W/ PK & GLVS RD MOL TURN WELL OVER TO PROD

DAILY DETAILS : WELL ON FLOW BACK & CIRCULATION @ 50 CSG PSI , GOOD CIRCULATION, NO GAIN ON FLOW BACK CREW SAFETY MEETING CONT. D/O CFPS 21-23 OF 24 WASH DOWN @ #24 NO DRILL PBDT @ 14,900' CIRCULATE VISMMASTER SWEEP BOTTOMS UP W/ 225 BBLS CLEAN F/W RETURNS CLEAN CREW BREAK FOR LUNCH WHILE CIRCULATING POOH W/ 3 JTS ON SWIVEL , RD POWER SWIVEL CONT. POOH W/ 2 -7/8 PH-6 W/S@ R NIPPEL RU PUMP DISP. 100 BBLS 10 # BRINE KILL WELL , CONT. POOH W/ 104 JTS W/S , 106 JTS IN HOLE SWI SDFN NO ACCIDENTS REPORTED FUEL USAGE =RIG 80 GAL PUMP 250 GAL =330 GAL DIESEL NO ACTIVITY  
 Well Name : University 43 #0905H

Tubing Pressure : psi  
 Casing Pressure : 0 psi  
 Choke : 0/64th in  
 Oil in last hour : 0 bbls  
 Oil in last 24 hours : 0 bbls  
 Water in last hour : 55 bbls  
 Water in last 24 Hours : 1450 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 185615 bbls  
 Load Water Recovered : 1580.00 bbls  
 % Load Water Recovered : 0.85 %  
 Chlorides : 23704 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/17/2012

WELL NAME : UNIVERSITY 43 #0905H

WELL NAME :		UNIVERSITY 43 #0905H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		14,968 / 6,731	
COUNTY,ST. :		IRION , TX		API # :		42-235-34930		TAX/CREDIT :			
PROPERTY # :		071368		WI % :		75		NRI % :		55.5	
AFE# :		104980		AFE TOTAL :		\$5,998,852		DHC :		\$1,405,352 CWC : \$4,593,500	
REPORTED BY:		JOHN DAGENHART		LAST CSG :		5.500		SHOE MD/TVD:		14,943 / 6,720	
RIG CONTR. :		PATTERSON		RIG NAME :		452		WATER DEPTH:			
LOCATION :		2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/5/2012		RIG RELEASE:		7/11/2012		1ST SALES :			

**REPORT DATE: 10/17/2012** MD :14968 TVD :6731 PROGRESS : 0 DAYS :29 MW : VISC :  
 DAILY: DC: \$0 CC :\$80,874 TC : \$80,874 CUM : DC : \$1,247,610 CC : \$2,905,001 TC : \$4,152,611  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: N/A TUEN WELL OVER TO PROD

DAILY DETAILS : NO ACTIVITY FINISH LD 2-7/8" PH-6 W/S & BHA UNLOAD 212 JTS 2-7/8" J-55 PROD TBG & TALLY TIH W/ PK 9 GLVS & 206 JTS 2-7/8" J-55 PROD TBG EOT @ 6,772, SN @ 6,771 , PK @ 6,510' AS FOLLOWS INSTALL SHEET

GAS LIFT  
 INSTALLATION SHEET  
 INTERNATIONAL LIFT SYSTEMS  
 Date Installed: 10/16/2012

Company: EOG Resources  
 Lease: University 43  
 Well No. : 0905H  
 Field: Barnyard

Tubing Casing Liner N/A  
 Size: 2 7/8 J-55 Size: 5.5" P-110 O.D.:  
 Thread: 8rd Weight: 17# I.D.:  
 No. Joints: 206 Perfs: 6655(TVD) Top:  
 Design Info. Gas Pressure  
 Fluid Prod: 200-2500 K.O. 1,000 % H2O: 70%  
 Static B.H.P. 3450 Operating: 1,000  
 P.I. n/a Gravity: 0.65  
 W.H.B.P. 150

Packer Set on pkr: 10Pts  
 Make: Arrowset  
 Type: 2 7/8x5.5" AS1X  
 Depth: 6510  
 Str Wght: 46K  
 Fluid Valves  
 Type: 1"  
 Fluid Grad.: .52 psi/ft. Type Oper. Pressure  
 Type Checks: 1"  
 Type Mand.: 2 7/8x1" J-55

## ELEVATION DATA:

Joints	Spacing	Depth	PTRO	PSO	PSC	Port	Misc Data
KB	27.00	27.00					
52	1690.52	1717.52					
GLV #9	4.10	1721.62	970	999	950	12 T.C.	Gas Lift Valve
32	1040.32	2761.94					
GLV #8	4.10	2766.04	955	956	927	12 T.C.	Gas Lift Valve
20	650.20	3416.24					
GLV #7	4.10	3420.34	940	928	905	12 T.C.	Gas Lift Valve
15	487.80	3908.14					
GLV #6	4.10	3912.24	925	907	884	12 T.C.	Gas Lift Valve
15	487.65	4399.89					
GLV #5	4.10	4403.99	910	885	862	12 T.C.	Gas Lift Valve
16	520.16	4924.15					
GLV #4	4.10	4928.25	895	862	839	12 T.C.	Gas Lift Valve
15	488.02	5416.27					
GLV #3	4.10	5420.37	880	837	815	12 T.C.	Gas Lift Valve
15	487.65	5908.02					
GLV #2	4.10	5912.12	870	820	794	12 T.C.	Gas Lift Valve
17	552.67	6464.79					
GLV #1	4.10	6468.89	790	711	694	12 T.C.	Gas Lift Valve
1	32.51	6501.40					
On/Off Tool		1.80	6503.20				2.313 ID On/Off Tool
Packer	7.20	6510.40					AS1X Packer
8	260.08	6770.48					2 7/8 tailpipe
Seat Nipple		1.00	6771.48				2.28 ID Seat Nipple
Mule Shoe 0.45		6771.93	EOT				Entry Guide

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



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 10/17/2012

WELL NAME : UNIVERSITY 43 #0905H

<b>WELL NAME :</b>	<b>UNIVERSITY 43 #0905H</b>	<b>EVENT NO. : 1</b>	<b>DIVISION :</b>	MIDLAND	
OPERATOR :	EOG RESOURCES, INC	WELL TYPE :	DEVO	WELL CLASS :	
FIELD :	UNASSIGNED	DISTRICT :	MIDLAND	PLAN MD/TVD :	14,968 / 6,731
COUNTY,ST. :	IRION , TX	API # :	42-235-34930	TAX/CREDIT :	
PROPERTY # :	071368	WI % :	75	NRI % :	55.5
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REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	14,943 / 6,720
RIG CONTR. :	PATTERSON	RIG NAME :	452	WATER DEPTH:	
LOCATION :	2100 FSL 2258 FWL X: 1715868 Y: 530944 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/5/2012	RIG RELEASE:	7/11/2012	1ST SALES :	

SET 10 # ON PK LAND TBG HANGER CREW BREAK

FOR LUNCH ND BOP STACK UN PROD TREE RD WSU NABORS #227 MOVED OUT OF WAY FOR PROD TO HOOK UP WELL ,  
 MOVE EQUIP OUT OF WAY, WILL MOVE RIG & EQUIP TO UNIV. 38 # 0604 A:M NO ACTIVITY TRUN WELL OVER TO PROD @  
 16:00

NO ACCIDENTS REPORTED FUEL USAGE = RIG 65 GAL CLEAR DIESEL

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