

BIFFLE WATER WELL SERVICE										MORNING REPORT										DATE 20120405		RIG NO. 893		JOB TYPE		JOB NO.		WELL TYPE																																																																																																																										
WELLNAME UNIVERSITY 40-B 1603H										LEGAL DESCRIPTION										SPUD DATE / TIME 04-04-12 11:00				DAYS FR SPUD 1		PROJECTED TD																																																																																																																												
OPERATOR EOG RESOURCES, INC. (MIDLAND)										COUNTY / PARISH Crockett										STATE TX		JOB START DATE 04-04-12 06:00				DAYS ON JOB 1		EST. RELEASE																																																																																																																										
RIG MANAGER RICHARD KENNINGTON										RIG PHONE NUMBER 940 634 0693				OPERATORS REPRESENTATIVE				CO. MAN PH NO.				RELEASE DATE / TIME				WEATHER HOT AND DUSTY																																																																																																																												
OPERATIONS @ REPORT TIME SPUD ,DRILL										OPERATIONS NEXT 24 HRS DRILL AHEAD,CASE,CEMENT																																																																																																																																												
SAFETY	ACCIDENTS OR NEAR MISSES:										# OF JSA's		RIG SAFETY DAYS		SAFETY RATE		G.P.S. COORDINATES N 31.0737 W -101.147				BOP TEST DATE / PRESSURE																																																																																																																																	
	SAFETY MEETING TOPICS										# STOP CARDS		LAST MEETING DATE				CROWN-O-MATIC CHECKED				BOP DRILL DATE / TIME																																																																																																																																	
	LAST INSPECTION		INSPECTION BY / TITLE				CREW M / U		EXTRA CREWS / WHY?				OFFICE NOTIFIED		MANHOURS PAST 24 24.00				BOP DRILL DATE / TIME																																																																																																																																			
OPS	CURRENT DEPTH 200		FOOTAGE LAST 24 200.0		PEN. RATE		ROT. HRS 7.5		MAX. GAS		BCKGR GAS		CONN. GAS		TRIP GAS		LAST CASING SIZE & SET DEPTH				RIG COSTS																																																																																																																																	
	HOOKLOAD		PICKUP WEIGHT		SLACKOFF		ROTATING		ROTARY TORQUE		NEXT CASING SIZE & SET DEPTH						S & R		RENTAL																																																																																																																																			
MUD	Time		Mud Wt IN / OUT		Funnel Vis WATER		PV		YLD PT		10 S GEL		10 M GEL		FI. Loss		FILT CK		HTHP FL		HTHP FC		FUEL ADDED TO MUD		AVERAGE		0.00		0.00																																																																																																																									
	Mud Type		% SOLIDS		% LCM		% SAND		% OIL		% H2O		pH		MF		PF		CALCIUM		CHLORIDES		TODAY		MUD COSTS		CUMULATIVE																																																																																																																											
	CENTRIFUGES				SHAKER TYPE																		DAILY		MUD COSTS		CUMULATIVE																																																																																																																											
TIME LOG	FROM										TO										HRS										CODE										DETAILS OF OPERATIONS IN SEQUENCE										TIME BREAKDOWN										(Today / Well)																																																																																									
	600										1030										4.5										1										SAFETY MEETING,RIG UP										1: RIG UP / DOWN										4.5										4.5																																																																															
	1030										1800										7.5										2										DRILL FROM 0-200										2: DRILLING										7.5										7.5																																																																															



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/19/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :
PROPERTY # :	071410	WI % :	79.9	NRI % :
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :
REPORTED BY:	RICKY POINDEXTER	LAST CSG :	9.625	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :		RIG RELEASE:		1ST SALES :

**REPORT DATE: 04/08/2012** MD :854 TVD :854 PROGRESS : 0 DAYS : MW : VISC :  
 DAILY: DC: \$131,855 CC :\$0 TC : \$131,855 CUM : DC : \$131,855 CC : \$0 TC : \$131,855  
 FORMATION: PBDT : PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME:

DAILY DETAILS : NOTIFIED TRRC @ 10:30 4/4/2012 GAVE REPORT TO IVEY RRC. JOB # 2431. DRILLED ROTATED F/ 0' TO 854 SURVEY @ .5 DEG, PUMP SWEEP & CIRCULATE HOLE CLEAN , TRIP OUT HOLE LAID DOWN.DRILLING ASSEMBLY. RIG EXPRESS CASING CREW RUN TEXAS PATTERN GUIDE SHOE 1 JT 9 5/8 CASING FLOAT COLLAR & 18 JOINTS 9 5/8' CASING TP 19 JTS, @ 858.89 SET @ 854' RUN CENTRALIZER & STOP COLLAR ON NFIRST JT & 6 CENTERLAIZERS ON EVERY OTHER JT TO SURFACE FOR A TOTAL OF 7 CENTRALIZERS . HOLD PRE JOB METTING , RIG UP RISING STAR LINE TO CEMENT HEAD& TEST LINES TO 1500PSI. PUMPED 20 BBL FRESH WATER . MIX & PUMP 450 SKS LEAD CEMENT . ( CLASS C @ 14.80PPG YEILD @ 1.35 MIXED WITH 6.32 GALLONS FRESH WATER PER SK + 2% CACL+.25% R-38) @ 50 BBLs IN PSI WAS 450 .BUMPED PLUG @ 16:45 PM . PRESSURED UP TO 1050 PSI. BLEED OFF PSI , FLOAT EQUIP HELD . FULL RETURNS THROUGH OUT JOB. CIRCULATE 125 SX TOT OF 32 BBLs, R.R. COM JOB # 2431. WAITED 4 HRS .RAN GYRO

**REPORT DATE: 07/19/2012** MD :854 TVD :854 PROGRESS : 0 DAYS : MW : VISC :  
 DAILY: DC: \$23,572 CC :\$0 TC : \$23,572 CUM : DC : \$155,427 CC : \$0 TC : \$155,427  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: WAIT ON DAYLIGHT FOR RIG MOVE OPS W/ BRANTLEY TRUCKING.

DAILY DETAILS : WAIT ON DAYLIGHT HELD SAFETY MTG W/ RIG PERSONAL) RIG DOWN OPS W/ THREE CREWS, LAY DERRICK OVER @1100HRS,CONT. RIG DOWN OPS, CACTUS SHUT DOWN OPS @ 20:00 HRS, RIG IS 100 % READY FOR RIG MOVE, MOVED / SET IN CO. MAN TRAILER ON NEW LOC.( PLANS ARE TO START RIG MOVE W/ BRANTLEY TRUCKING .10 MILES F/ UNIVERSITY 40 B #1602HTO NEW LOC. UNIVERSITY 40 B #1603 H @ 0700 HRS 7-19-12, PROJ. SPUD DATE 7-21-12 WAIT ON DAYLIGHT.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/20/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :
PROPERTY # :	071410	WI % :	79.9	NRI % :
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :
REPORTED BY:	NOE LUJAN	LAST CSG :	9.625	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :		RIG RELEASE:		1ST SALES :

**REPORT DATE: 07/20/2012**   MD :854   TVD :854   PROGRESS : 0   DAYS :   MW :   VISC :  
 DAILY: DC: \$55,928   CC :\$0   TC : \$55,928   CUM : DC : \$211,355   CC : \$0   TC : \$211,355  
 FORMATION:   PBD : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   WAIT ON DAYLIGHT TO CONT. RIG UP OPS , PLANS ARE TO RAISE DERRICK @ 0800 HRS 7-20-12

DAILY DETAILS : WAIT ON DAY LIGHT. HELD SAFETY MTG W/ RIG & BRANTLEY PERSONAL) RIG MOVE OPS W/TWO CACTUS CREWS,  
 BRANTLEY TRUCKING /TWO CRANES. .4 MILES INFELD MOVE, SET IN / RIG UP ALL BACK YARD, SUB, SET IN DERRICK &  
 STRING UP .ON NEW LOC.( RELEASED BRANTLEY TRUCKING @ 15:30 HRS ) CACTUS PERSONAL SHUT DOWN @ 20:00  
 HRS( 100% RIG IS SET IN, 75% RIGGED UP ) PLANS ARE TO CONT. R/U OPS, @ 0700 HRS , RAISE DERRICK @ 0800 HRS  
 7-20-12 ( PROJ. SPUD DATE 7-21-12 WAIT ON DAYLIGHT



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/23/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:		NOE LUJAN		LAST CSG :		9.625		SHOE MD/TVD:		854 / 854	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY		KB ELEV :		0		GL ELEV:		0	
SPUD DATE :		7/21/2012		RIG RELEASE:				1ST SALES :			

**REPORT DATE: 07/21/2012** MD :854 TVD :854 PROGRESS : 0 DAYS : MW :10.0 VISC : 29  
 DAILY: DC: \$238,343 CC :\$0 TC : \$238,343 CUM : DC : \$449,698 CC : \$0 TC : \$449,698  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: START P/U BHA

DAILY DETAILS : WAIT ON DAYLIGHT HELD SAFETY MTG) R/U OPS W/TWO CACTUS CREWS, RAISED DERRICK @ 0730 HRS 7-20-12, CACTUS BROKE TOUR @ 1200 HRS RIG UP TOP DRIVE, FUNCTION TEST SAME CONT. R/U FLOOR, WELD ON 9 5/8 WELL HEAD, TEST SAME TO 600 PSI RIG UP ETS NIPPLE UP & WINCHES, NIPPLE UP BOPE, HOOK UP HYDAULIC LINES, RIG DOWN NIPPLE UP CREW & WINCHES RIG UP & TEST BOPE, CHOKE, TOP DRIVE VALVE, LOW 250 PSI / HIGH 2500 TEST 9 5/8 CSG TO 1000 PSI, RIG DOWN TESTER. INSTALL WEAR BUSHING. CENTER BOP, TEST STAND PIPE W/ RIG PUMPS

**REPORT DATE: 07/22/2012** MD :5094 TVD :5093 PROGRESS : 4213 DAYS : 1 MW :99.5 VISC : 27  
 DAILY: DC: \$63,350 CC :\$0 TC : \$63,350 CUM : DC : \$513,048 CC : \$0 TC : \$513,048  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: TOO H FOR BIT TRIP @ 1800' (PLANS ARE TO P/U #3 HUGHES DP606X )

DAILY DETAILS : P/U BHA #2; NOV MTR (S/N 675-36-221) 6.75" OD, 7.25" OD.PAD, 7/8, 5.0, @ 1.5 ABH, .29 RPG MTR, BIT TO SURV 49', NMDC, PULS.SUB, NMFC, X-O, SHOCK SUB, 3PT RLR RMR, SCRIBE & TEST, M/U #2 PDC SECURITY FX66D W/6-18 JETS, (BHA LENGTH 115.89') CONT. M/U BHA' PICKING UP 5" HWDP FROM CATWALK, TAG UP TOP 9 5/8 FLT COLLAR @ 832' DRLG SHOE TRACK W/27' KB ADDED) FLT CLLR @ 832', 40' OF CMT, SHOE @ 881' ROT. 68', WOB 15, RPM 40, GPM 604, 2070 PSI / 400 DIFF, ROP 136 FPH SURVEY / CONN @ 900', INCL .52, AZM 159.83, TVD 899' ROT. 184', WOB 30, RPM 80, GPM 604, 450 DIFF, ROP 736 FPH SURVEY / CONN @ 1084', INCL .26, AZM 193.14, TVD 1083' ROT. 183', WOB 35, RPM 80, GPM 604, 510 DIFF, ROP 732 FPH SURVEY / CONN @ 1267', INCL .79, AZM 159.75, TVD 1266' ROT. 185', WOB 35, RPM 100, GPM 604, 620 DIFF, ROP 740 FPH SURVEY / CONN @ 1452', INCL .88, AZM 169.32, TVD 1451' ROT. 188', WOB 35, RPM 80, GPM 604, 450 DIFF, ROP 376 FPH SURVEY / CONN @ 1640', INCL .62, AZM 183.83, TVD 1639' ROT. 189', WOB 35, RPM 100, GPM 604, 500 DIFF, ROP 756 FPH SURVEY / CONN @ 1829', INCL .70, AZM 153.24, TVD 1828' ROT. 190', WOB 35, RPM 90, GPM 604, 550 DIFF, ROP 760 FPH SURVEY / CONN @ 2019', INCL .53, AZM 119.14, TVD 2018' ROT. 189', WOB 35, RPM 90, GPM 604, 700 DIFF, ROP 378 FPH SURVEY / CONN @ 2208', INCL .70, AZM 115.18, TVD 2207' ROT. 189', WOB 35, RPM 90, GPM 604, 625 DIFF, ROP 756 FPH SURVEY / CONN @ 2397', INCL .62, AZM 150.96, TVD 2396' ROT. 188', WOB 35, RPM 85, GPM 604, 525 DIFF, ROP 752 FPH SURVEY / CONN @ 2585', INCL .00, AZM 72.56, TVD 2584' ROT. 189', WOB 35, RPM 90, GPM 604, 550 DIFF, ROP 756 FPH SURVEY / CONN @ 2774', INCL .79, AZM 67.20, TVD 2773' ROT. 190', WOB 35, RPM 80, GPM 604, 700 DIFF, ROP 760 FPH SERVICE RIG SURVEY / CONN @ 2964', INCL .62, AZM 83.90, TVD 2963' ROT. 189', WOB 35, RPM 80, GPM 604, DIFF 800, ROP 378 FPH SURVEY / CONN @ 3153', INCL .62, AZM 103.23, TVD 3152' ROT. 189', WOB 35, RPM 80, GPM 604, DIFF 650, ROP 756 FPH SURVEY / CONN @ 3342', INCL .70, AZM 133.91, TVD 3341' ROT. 190', WOB 35, RPM 85, GPM 604, DIFF 600, ROP 760 FPH SURVEY / CONN @ 3532', INCL .53, AZM 119.76, TVD 3531' ROT. 189', WOB 45, RPM 65, GPM 604, DIFF 860, ROP 378 FPH SURVEY / CONN @ 3721', INCL .88, AZM 127.40, TVD 3720' ROT. 188', WOB 45, RPM 55, GPM 604, DIFF 800, ROP 752 FPH SURVEY / CONN @ 3909', INCL 1.06, AZM 103.50, TVD 3908' ROT. 189', WOB 45, RPM 75, GPM 604, DIFF 775, ROP 756 FPH SURVEY / CONN @ 4098', INCL .44, AZM 106.66, TVD 4097' ROT. 189', WOB 45, RPM 75, GPM 604, DIFF 800, ROP 756 FPH SURVEY / CONN @ 4287', INCL .62, AZM 149.02, TVD 4286' ROT. 189', WOB 48, RPM 55, GPM 604, DIFF 500, ROP 126 FPH SURVEY / CONN @ 4476', INCL .18, AZM 359.70, TVD 4475' ROT. 190', WOB 48, RPM 55, GPM 604, DIFF 700, ROP 152 FPH SURVEY / CONN @ 4666', INCL .88, AZM 260.38, TVD 4665' ROT. 189', WOB 48, RPM 55, GPM 604, DIFF 500, ROP 126 FPH SURVEY / CONN @ 4855', INCL 1.06, AZM 233.31, TVD 4854' ROT. 190', WOB 48, RPM 55, GPM 604, DIFF 500 , ROP 126 FPH SURVEY / CONN @ 5045', INCL 0.62, AZM 209.49, TVD 5044' CIRC 70 BBL HIGH VIS SWEEP AROUND @ 5094' PREP. FOR BIT TRIP TOO H FOR BIT TRIP F/ 5094' - 1800' ( PLANS ARE TO P/U #3 HUGHES DP606X )



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/23/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :	UNIVERSITY 40B #1603H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT : MIDLAND	PLAN MD/TVD :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # : 42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % : 79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL : \$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	NOE LUJAN	LAST CSG : 9.625	SHOE MD/TVD:	854 / 854
RIG CONTR. :	CACTUS	RIG NAME : 102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	1ST SALES :	

**REPORT DATE: 07/23/2012** MD :6361 TVD :6241 PROGRESS : 1267 DAYS : 2 MW :9.9 VISC : 28  
 DAILY: DC: \$93,763 CC :\$0 TC : \$93,763 CUM : DC : \$606,812 CC : \$0 TC : \$606,812  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:

ACTIVITY AT REPORT TIME: ROT. DRLG CURVE @ 6361' ROP 88 FPH, SURV. 6317' INC 53.20, AZ 0.22, TVD 6241.37, VS 164.36, DLS 3.87, BRN 6.8 A- 83 L-7

DAILY DETAILS : TOH F/ 1800' - #2 BHA , BRK OFF SEC PDC FX66D ( BIT RUNG OUT ON SHOULDER, FULL GUAGED PADS) M/U RR #2 BHA; MTR, MWD, TEST SAME, M/U #3 HUGHES DP606X, TIH F/ SURF.- 2500' SERVICE RIG / ST-80 CONT. TIH F' 2500'- 5000' WASH/REAM F/ 5000'- 5094' BTM ROT. 189', WOB 25, RPM 50, GPM 557, 400 DIFF, ROP 252 FPH SURVEY / CONN @ 5234', INCL .79, AZM 198.42, TVD 5233' ROT. 188', WOB 35, RPM 75, GPM 604, 800 DIFF, ROP 752 FPH SURVEY / CONN @ 5422', INCL .62, AZM 163.26, TVD 5421' ROT. 190', WOB 35, RPM 75, GPM 604, 875 DIFF, ROP 380 FPH SURVEY / CONN @ 5612', INCL .79, AZM 151.57, TVD 5611' ROT. 189', WOB 35, RPM 75, GPM 604, 700 DIFF, ROP 378 FPH SURVEY / CONN @ 5801', INCL .35, AZM 124.59, TVD 5800' T.D.) ROT. 65', WOB 35, RPM 70, GPM 604, 650 DIFF, ROP 260 FPH SURVEY / CONN @ 5866', INCL .44, AZM 129.95, TVD 5865' PUMP / CIRC HIGH VIS SWEEP OUT, PREP. FOR TOOH TO P/U CURVE ASSY. TOH F/ 5915'- 115' BHA C/O BHA , P/U CURVE CURVE ASSY BHA #3) SDI MTR (S/N 6569) 6.50" OD, 6.625" OD.PAD, 7/8, 3.0, @ 2.12 ABH, .28 RPG MTR, BIT TO SURV 44', NMDC, PULS.SUB, NMFC, X-O, 30 JTS 5" DP, 45 JTS HWDP, SCRIBE & TEST, M/U #4 PDC HUGHES VGD20 W/3-18 JETS, (BHA LENGTH 2422.55') TIH W/BHA #3 TO 5825' WASH F/ 5825'- 5915' BTM SLIDE 68', WOB 30, GPM 604, DIFF 110, TFO: 0 G, ROP 68 FPH SURVEY / CONN @ 5939', INCL 3.69, AZM 355.48, TVD 5938' SLIDE 31', WOB 35, GPM 604, DIFF 145, TFO: 0 G, ROP 124 FPH SURVEY / CONN @ 5970', INCL 8.27, AZM 356.62, TVD 5969' SLIDE 32', WOB 35, GPM 604, DIFF 115, TFO: 0 G, ROP 128 FPH SURVEY / CONN @ 6002', INCL 14.07, AZM 356.18, TVD 6000' SLIDE 31', WOB 35, GPM 604, DIFF 310, TFO: 0 G, ROP 124 FPH SURVEY / CONN @ 6033', INCL 20.22, AZM 356.36, TVD 6030' SLIDE 32', WOB 35, GPM 604, DIFF 275, TFO: 0 G, ROP 128 FPH SURVEY / CONN @ 6065', INCL 25.59, AZM 357.06, TVD 6059' SLIDE 31', WOB 35, GPM 604, DIFF 105, TFO: 0 G, ROP 62 FPH SURVEY / CONN @ 6096', INCL 31.39, AZM 359.17, TVD 6087' SLIDE 32', WOB 35, GPM 604, DIFF 110, TFO: 0 G, ROP 128 FPH SURVEY / CONN @ 6128', INCL 37.11, AZM 0.22, TVD 6113' SLIDE 15', WOB 35, GPM 604, DIFF 90, TFO: 0 G, ROP 60 FPH ROT. 16', WOB 30, RPM 40, GPM 604, 70 DIFF, ROP 64 FPH SURVEY / CONN @ 6159', INCL 42.21, AZM 359.17, TVD 6137' SLIDE 15', WOB 35, GPM 604, DIFF 130, TFO: 0 G, ROP 60 FPH ROT. 17', WOB 30, RPM 40, GPM 604, 140 DIFF, ROP 68 FPH SURVEY / CONN @ 6191', INCL 45.90, AZM 358.78, TVD 6160' SLIDE 15', WOB 35, GPM 604, DIFF 70, TFO: 0 G, ROP 60 FPH ROT. 16', WOB 35, RPM 40, GPM 604, 125 DIFF, ROP 64 FPH SURVEY / CONN @ 6222', INCL 48.10, AZM 358.20, TVD 6181' SLIDE 15', WOB 35, GPM 604, DIFF 55, TFO: 15 R, ROP 60 FPH ROT. 17', WOB 35, RPM 40, GPM 604, 150 DIFF, ROP 68 FPH SLIDE 10', WOB 35, GPM 604, DIFF 100, TFO: 15 R, ROP 40 FPH ROT. 21', WOB 35, RPM 40, GPM 604, 110 DIFF, ROP 84 FPH SURVEY / CONN @ 6285', INCL 51.97, AZM 0.05, TVD 6221' SLIDE 10', WOB 35, GPM 604, DIFF 100, TFO: 0 G, ROP 40 FPH ROT. 22', WOB 35, RPM 40, GPM 604, 110 DIFF, ROP 88 FPH SURVEY / CONN @ 6317', INCL 53.20, AZM 0.22, TVD 6241'



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/24/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :	UNIVERSITY 40B #1603H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT : MIDLAND	PLAN MD/TVD :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # : 42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % : 79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL : \$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	NOE LUJAN	LAST CSG : 9.625	SHOE MD/TVD:	854 / 854
RIG CONTR. :	CACTUS	RIG NAME : 102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	1ST SALES :	

**REPORT DATE: 07/24/2012** MD : 7690 TVD : 6432 PROGRESS : 1329 DAYS : 3 MW : 9.9 VISC : 28  
 DAILY: DC: \$54,819 CC : \$0 TC : \$54,819 CUM : DC : \$661,631 CC : \$0 TC : \$661,631  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: CIRC / SWEEP HOLE CLEAN @ 7690' PREP. FOR TOH MWD FAILURE

DAILY DETAILS : SLIDE 10', WOB 35, GPM 604, DIFF 55, TFO: 0 G, ROP 40 FPH ROT. 22', WOB 32, RPM 40, GPM 604, DIFF 140, ROP 88 FPH SURVEY / CONN @ 6349', INCL 54.61, AZM 0.05, TVD 6260' SLIDE 10', WOB 35, GPM 604, DIFF 75, TFO: 0 G, ROP 40 FPH ROT. 22', WOB 35, RPM 40, GPM 604, DIFF 150, ROP 88 FPH SURVEY / CONN @ 6381', INCL 55.75, AZM 0.58, TVD 6278' SLIDE 10', WOB 35, GPM 604, DIFF 60, TFO: 0 G, ROP 40 FPH ROT. 21', WOB 35, RPM 40, GPM 604, DIFF 150, ROP 84 FPH SURVEY / CONN @ 6412', INCL 56.37, AZM 0.84, TVD 6295' SLIDE 20', WOB 35, GPM 604, DIFF 75, TFO: 0 G, ROP 80 FPH ROT. 12', WOB 35, RPM 40, GPM 604, DIFF 150, ROP 48 FPH SURVEY / CONN @ 6444', INCL 56.10, AZM 0.40, TVD 6313' SLIDE 25', WOB 35, GPM 604, DIFF 85, TFO: 0 G, ROP 100 FPH ROT. 7', WOB 35, RPM 40, GPM 604, DIFF 115, ROP 28 FPH SURVEY / CONN @ 6476', INCL 58.56, AZM 359.87, TVD 6330' SLIDE 25', WOB 35, GPM 604, DIFF 85, TFO: 0 G, ROP 100 FPH ROT. 6', WOB 35, RPM 40, GPM 604, DIFF 100, ROP 24 FPH SURVEY / CONN @ 6507', INCL 61.91, AZM 0.14, TVD 6346' SLIDE 15', WOB 35, GPM 604, DIFF 85, TFO: 0 G, ROP 60 FPH ROT. 17', WOB 35, RPM 40, GPM 604, DIFF 120, ROP 68 FPH SURVEY / CONN @ 6539', INCL 65.16, AZM 1.19, TVD 6360' SLIDE 18', WOB 35, GPM 604, DIFF 95, TFO: 0 G, ROP 72 FPH ROT. 13', WOB 35, RPM 40, GPM 604, DIFF 100, ROP 52 FPH SURVEY / CONN @ 6570', INCL 68.11, AZM 0.14, TVD 6378' SLIDE 18', WOB 35, GPM 604, DIFF 100, ROP 56 FPH SURVEY / CONN @ 6602', INCL 71.05, AZM 1.89, TVD 6383' SLIDE 18', WOB 35, GPM 604, PSI 2350 / DIFF 95, TFO: 0 G, ROP 72 FPH ROT. 14', WOB 35, RPM 40, GPM 604, DIFF 110, ROP 56 FPH SLIDE 18', WOB 35, GPM 604, DIFF 50, TFO: 0 G, ROP 72 FPH ROT. 13', WOB 35, RPM 40, GPM 604, DIFF 160, ROP 52 FPH SURVEY / CONN @ 6665', INCL 77.03, AZM 0.66, TVD 6401' SLIDE 15', WOB 35, GPM 604, DIFF 80, TFO: 0 G, ROP 60 FPH ROT. 17', WOB 40, RPM 40, GPM 604, DIFF 130, ROP 68 FPH SURVEY / CONN @ 6697', INCL 80.11, AZM 0.14, TVD 6407' SLIDE 15', WOB 35, GPM 604, DIFF 80, TFO: 0 G, ROP 60 FPH ROT. 16', WOB 30, RPM 40, GPM 604, DIFF 130, ROP 64 FPH SLIDE 10', WOB 35, GPM 604, DIFF 125, TFO: 0 G, ROP 40 FPH ROT. 22', WOB 35, RPM 40, GPM 604, DIFF 150, ROP 88 FPH SURVEY / CONN @ 6760', INCL 85.56, AZM 0.14, TVD 6415' T.D.) SLIDE 10', WOB 35, GPM 604, DIFF 125, TFO: 0 G, ROP 40 FPH SWEEP HOLE @ TD 6814' PREP. FOR TOH TO P/U LATERAL ASSY TOH F/6814'- 0000 L/O CURVE ASSY BHA #3 ) BIT IN GREAT COND, SERVICE RIGE WAIT ON NOV MOTOR P/U LATERAL ASSY.BHA #4) #3 NOV MTR (S/N 675-36-045) 6.75" OD, 7.25" OD.PAD, 7/8, 5.0, @ 1.83 ABH, .29 RPG MTR, BIT TO SURV 49', NMDC, PULS.SUB, NMFC, X-O, 3 JTS 5" DP, RT TOOL, 42 JTS 5" DP, ADGITATOR, SHOCK SUB, SCRIBE & TEST, M/U RR #5 PDC HUGHES DP606X W/6-22 JETS, (BHA LENGTH 1540.61') TIH TO 6743' WASH F/ 6743'- 6814' BTM ROT. 23', WOB 30, RPM 75, GPM 604, DIFF 700, ROP 92 FPH SURVEY / CONN @ 6788', INCL 87.85, AZM 359.87, TVD 6417' ROT. 95', WOB 37, RPM 70, GPM 604, DIFF 750, ROP 380 FPH SURVEY / CONN @ 6883', INCL 89.34, AZM 358.55, TVD 6419' ROT. 95', WOB 45, RPM 75, GPM 604, DIFF 890, ROP 380 FPH SLIDE 15', WOB 25, GPM 604, PSI 2565 / DIFF 295, TFO:75 R, ROP 60 FPH ROT. 174', WOB 45, RPM 75, GPM 604, DIFF 875, ROP 696 FPH SURVEY / CONN @ 7167', INCL 89.60, AZM 3.12, TVD 6423' ROT. 95', WOB 45, RPM 75, GPM 604, DIFF 930, ROP 380 FPH SLIDE 12', WOB 25, GPM 604, DIFF 295, TFO:75 R, ROP 48 FPH ROT. 82', WOB 45, RPM 75, GPM 604, PSI 3275 / DIFF 860, ROP 328 FPH SLIDE 15', WOB 25, GPM 604, DIFF 295, TFO:60 R, ROP 60 FPH ROT. 80', WOB 45, RPM 75, GPM 604, PSI 3250 / DIFF 830, ROP 320 FPH SLIDE 15', WOB 25, GPM 604, DIFF 300, TFO:75 R, ROP 60 FPH ROT. 80', WOB 45, RPM 75, GPM 604, DIFF 830, ROP 320 FPH SLIDE 25', WOB 25, GPM 604, DIFF 300, TFO:75 R, ROP 100 FPH ROT. 70', WOB 45, RPM 75, GPM 604, DIFF 800, ROP 280 FPH SURVEY / CONN @ 7641', INCL 89.08, AZM 347.22, TVD 6432' SWEEP / CIRC HOLE @ 7690', PREP. FOR TOOH DUE TO MWD FAILURE.





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/25/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :	UNIVERSITY 40B #1603H	EVENT NO. : 1	DIVISION :	MIDLAND
OPERATOR :	EOG RESOURCES, INC	WELL TYPE : DEVO	WELL CLASS :	DRIL
FIELD :	UNASSIGNED	DISTRICT : MIDLAND	PLAN MD/TVD :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # : 42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % : 79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL : \$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	NOE LUJAN	LAST CSG : 9.625	SHOE MD/TVD:	854 / 854
RIG CONTR. :	CACTUS	RIG NAME : 102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY		KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	1ST SALES :	

**REPORT DATE: 07/25/2012** MD :9864 TVD :6456.89 PROGRESS : 2174 DAYS :4 MW :10.0 VISC : 28  
 DAILY: DC: \$78,081 CC :\$0 TC : \$78,081 CUM : DC : \$739,711 CC : \$0 TC : \$739,711  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: ROT. DRLG CURVE @ 9864' ROP 280 FPH, Proj to bit 9864', 89.96 inc, 0.49 azm, 6456.92 tvd, 0 a/b, 58 left, 3658.15 vs

DAILY DETAILS : SWEEP / CIRC HOLE CLEAN @ 7690' PREP. FOR TOH 'MWD FAILURE' TOH F/ 7690'- BHA CHECK ALL BREAKS, TOOLFACE OFFSET, MWD ORIENTATION, LOAD BACK UP MWD, M/U TOOLS, & TEST SAME. M/U BIT, TIH F/SURF - 1500' SLIP & CUT 100' OF DRILL LINE. RIG SERVICE TIH F/ 1500'- 7595' WASH F/7595'- 7690' BTM SLIDE 30', WOB 30, GPM 604, DIFF 350, TFO:75 R, ROP 120 FPH ROT. 64', WOB 35, RPM 75, GPM 604, DIFF 780, ROP 256 FPH SURVEY / CONN @ 7735', INCL 90.22, AZM 347.39, TVD 6433' SLIDE 35', WOB 30, GPM 604, DIFF 255, TFO:90 R, ROP 46.67 FPH ROT. 60', WOB 45, RPM 75, GPM 604, DIFF 730, ROP 240 FPH SURVEY / CONN @ 7830', INCL 90.57, AZM 350.29, TVD 6432' SLIDE 35', WOB 30, GPM 604, DIFF 300, TFO:90 R, ROP 140 FPH ROT. 59', WOB 45, RPM 75, GPM 604, DIFF 600, ROP 236 FPH SURVEY / CONN @ 7924', INCL 91.45, AZM 355.74, TVD 6430' SLIDE 30', WOB 25, GPM 604, DIFF 300, TFO:105 R, ROP 120 FPH ROT. 65', WOB 45, RPM 75, GPM 604, DIFF 775, ROP 260 FPH SURVEY / CONN @ 8019', INCL 91.28, AZM 359.70, TVD 6428' SLIDE 40', WOB 25, GPM 604, DIFF 315, TFO:105 R, ROP 160 FPH ROT. 55', WOB 45, RPM 75, GPM 604, DIFF 775, ROP 220 FPH SURVEY / CONN @ 8114', INCL 89.69, AZM 2.95, TVD 6427' ROT. 94', WOB 45, RPM 75, GPM 604, DIFF 825, ROP 376 FPH SURVEY / CONN @ 8208', INCL 88.90, AZM 2.51, TVD 6428' ROT. 190', WOB 45, RPM 75, GPM 604, DIFF 845, ROP 760 FPH SURVEY / CONN @ 8398', INCL 89.08, AZM 3.56, TVD 6432' ROT. 189', WOB 45, RPM 75, GPM 604, DIFF 880, ROP 756 FPH SURVEY / CONN @ 8587', INCL 88.99, AZM 4.53, TVD 6435' ROT. 189', WOB 50, RPM 75, GPM 604, DIFF 860, ROP 378 FPH SURVEY / CONN @ 8776', INCL 88.81, AZM 1.19, TVD 6438' ROT. 95', WOB 50, RPM 75, GPM 604, DIFF 830, ROP 380 FPH ROT. 94', WOB 50, RPM 75, GPM 604, DIFF 800, ROP 376 FPH SURVEY / CONN @ 8965', INCL 88.90, AZM 2.16, TVD 6441' ROT. 189', WOB 50, RPM 75, GPM 604, DIFF 845, ROP 756 FPH SURVEY / CONN @ 9154', INCL 89.43, AZM 359.26, TVD 6445' SLIDE 15', WOB 35, GPM 604, DIFF 215, TFO:90 R, ROP 60 FPH ROT. 174', WOB 50, RPM 75, GPM 604, PSI 3520 / DIFF 800, ROP 696 FPH SURVEY / CONN @ 9343', INCL 89.52, AZM 356.97, TVD 6448' SLIDE 20', WOB 35, GPM 604, DIFF 215, TFO:90 R, ROP 80 FPH ROT. 75', WOB 50, RPM 75, GPM 604, PSI 3550 / DIFF 880, ROP 300 FPH SERVICE RIG SURVEY / CONN @ 9438', INCL 88.46, AZM 358.47, TVD 6449' SLIDE 20', WOB 40, GPM 604, PSI 2945 / DIFF 250, TFO:90 R, ROP 80 FPH ROT. 74', WOB 50, RPM 75, GPM 604, PSI 3550 / DIFF 885, ROP 296 FPH SURVEY / CONN @ 9532', INCL 88.64, AZM 1.63, TVD 6452' ROT. 94', WOB 55, RPM 75, GPM 604, DIFF 840, ROP 376 FPH SLIDE 20', WOB 40, GPM 604, PSI 2935 / DIFF 235, TFO:90 R, ROP 80 FPH ROT. 74', WOB 55, RPM 75, GPM 604, DIFF 775, ROP 296 FPH SLIDE 25', WOB 45, GPM 604, DIFF 280, TFO:90 R, ROP 100 FPH ROT. 70', WOB 55, RPM 75, GPM 604, DIFF 810, ROP 280 FPH SURVEY / CONN @ 9815', INCL 89.96 , AZM 0.49 , TVD 6456'



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/26/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	MIKE CARTER	LAST CSG :	9.625	SHOE MD/TVD:	854 / 854
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:		1ST SALES :	

**REPORT DATE: 07/26/2012** MD :13897 TVD :6502.19 PROGRESS : 4003 DAYS :5 MW :9.9 VISC : 29  
 DAILY: DC: \$101,570 CC :\$0 TC : \$101,570 CUM : DC : \$841,281 CC : \$0 TC : \$841,281  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: DRILLING LATERAL

DAILY DETAILS : WOB 25, GPM 600, DIFF 220,GPM 600, TF 90R WOB 45, GPM 600, RPM 70 SURVEY @ 10003 INC 88.99 AZM 1.54 TVD 6460.13 WOB 45, GPM 600, RPM 70 SURVEY @ 10098 INC 89.34 AZM 359.26 TVD 6461.52 WOB 25, GPM 600, TF 90 R WOB 45,GPM 600, DIFF 650, RPM 70 SURVEY @ 10286 INC 88.64 AZM 1.98 TVD 6465.41 WOB 45, GPM 600, DIFF 620, RPM 70 WOB 25, GPM 600, DIFF 250, TF 90 RIGHT WOB 45, GPM 600, DIFF640, RPM 70 SURVEY 10476 INC 89.43 AZM 358.55 TVD 6468.55 WOB25, GPM 600, DIFF 190, TF 110 R WOB 45,GPM 600, DIFF610, RPM 70 SURVEY @ 10570 INC 89.34 AZM 357.32 TVD 6469.56 WOB 25, GPM 600, DIFF 140, TF 110 R WOB 45, GPM 600, DIFF 590, RPM 70 SURVEY @ 10759 INC 90.40 AZM 1.10 TVD 6471.01 WOB 25, GPM 600, DIFF 160, TF 130 R WOB 45, GPM 600, DIFF 600, RPM 70 SURVEY @ 10948 INC 89.96 AZM 6.99 TVD 6473.84 WOB 25,GPM 600, DIFF 175,TF 150L WOB 45, GPM 600, DIFF620, RPM 70 SURVEY @ 11042 INC 89.69 AZM 5.85 TVD 6474.13 WOB 25,GPM 600, DIFF 185, TF 150 L WOB 45,GPM 600, DIFF 605,RPM 70 SURVEY @ 11279 INC 88.90 AZM 5.76 TVD 6479.10 WOB 25,GPM 600, DIFF 185, TF 130 L WOB 25, GPM 600, DIFF 640, RPM 70 SURVEY @ 11416 INC 86.97 AZM 2.95 TVD 6487.22 WOB 25,GMP 600, DIFF 590, RPM 70 SURVEY @ INC 87.32 AZM 2.33 TVD 6491.75 WOB 25, GPM 600, DIFF 130, TF 45L WOB 25, GPM 600, DIFF 6020, RPM 70 SURVEY @ 11601 INC 90.04 AZM 4.35 TVD 6493.92 WOB 25,GPM 600, DIFF 610, RPM 70 SURVEY @ 11785 INC 89.78 AZM 2.33 TVD 6494.98 WOB 25,GPM 600, DIFF 590, RPM 70 SURVEY @ 11877 INC 89.96 AZM 3.12 TVD 6495.19 WOB 25,GPM 600, DIFF 595 RPM 70 SURVEY @ 11970 INC 89.52 AZM 3.30 TVD 6495.62 WOB 25, GPM 600, DIFF 601,RPM 70 SURVEY @ 12063 INC 89.78 AZM 3.65 TVD 6496.19 WOB 25, GPM 600, DIFF 185, TF 105L WOB 25, GPM 600, DIFF 595, RPM 70 SERVICE RIG AND TOP DRIVE SURVEY @ 12155 INC 89.52 AZM 1.98 TVD 6496.75 WOB 25, GPM 600, DIFF 175, TF 90L WOB 25, GPM 600, DIFF 605,RPM 70 SURVEY @ 12247 INC 89.69 AZM 2.86 TVD 6497.39 WOB 25,GPM 600, DIFF 190, TF 90L WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 12296 89.78 INC .84 TVD 6497.61 WOB 25, GPM 600,DIFF 185, GPM 600, TF 90L WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 12430 @ 89.78 AZM 359.08 TVD 6498.13 WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 12523 INC 89.87 AZM 358.91 TVD 6498.41 WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 12617 INC 89.87 AZM 358.55 TVD 6498.63 WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 12712 INC 90.13 AZM 358.64 TVD 6498.63 WOB 25, GPM 600, DIFF 580, RPM 70 SURVEY @ 12901 INC 89.87 AZM 356.80 TVD 6498.99 WOB 25, GPM 600, DIFF 600, RPM 70 SURVEY @ 12996 INC 89.78 AZM 355.83 TVD 6499.28 WOB 25, GPM 600, DIFF 180, TF 90R WOB 25, GPM 600, DIFF 600, RPM 70 SURVEY @ 13091 INC 90.04 AZM 357.32 TVD 6499.43 WOB 25, GPM 600, DIFF 190, TF 120R WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 13186 INC 90.31 AZM 359.26 TVD 6499.14 WOB 25, GPM 600, DIFF 160, TF 180 G WOB 25, GPM 600, DIFF 600, RPM 70 SURVEY @ 13281 INC 90.48 AZM 1.37 TVD 6498.48 WOB 25, GPM 600, DIFF 160, TF 180 G WOB 25, GPM 600, DIFF 600, RPM 70 SURVEY @ 13375 INC 88.55 AZM .40 TVD 6499.27 WOB 30, GPM 600, DIFF 605, RPM 70 SURVEY @ 13470 INC 89.08 AZM .84 TVD 6501.24 WOB 30, GPM 600, DIFF 590, RPM 70 SERVICE RIG AND TOP DRIVE SURVEY @ 13565 INC 89.25 AZM 359.96 TVD 6502.96 WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 13659 INC 90.84 AZM 359.26 TVD 6502.55 WOB 25, GPM 600, DIFF 175, TF 180 G WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY @ 13754 INC 89.60 AZM 358.11 TVD 6502.19 WOB 25, GPM 600, DIFF 590, RPM 70 SURVEY @ 13848 INC 90.31 AZM 358.11 TVD 6502.29





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/27/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	MIKE CARTER	LAST CSG :	9.625	SHOE MD/TVD:	854 / 854
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:		1ST SALES :	

**REPORT DATE: 07/27/2012**   MD :16355   TVD :6505   PROGRESS : 2458   DAYS : 6   MW :9.9   VISC : 29  
 DAILY: DC: \$58,601   CC :\$0   TC : \$58,601   CUM : DC : \$899,882   CC : \$0   TC : \$899,882  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   DRILL LATERAL

DAILY DETAILS : WOB 25, GPM 600, DIFF 150, TF 180 G WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY @ 13942 INC 89.25 AZM 359.78 TVD 6502.66 WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 14037 INC 90.31 AZM 1.37 TVD 6503.02 WOB 25, GPM 600, DIFF 98, TF 180G WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 14131 INC 88.55 AZM 3.12 TVD 6503.96 WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY 14225 INC 89.25 AZM 3.39 TVD 6505.76 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 14320 INC 90.22 AZM 3.65 TVD 6506.20 WOB 25, GPM 600, DIFF 98, TF 110L WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 14415 INC 89.96 AZM 4.71 TVD 6506.05 WOB 25, GPM 600, DIFF 80, TF 90L WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 1409 INC 90.84 AZM 5.15 TVD 6505.40 WOB 25, GPM 600, DIFF 105, TF 110L WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY @ 14605 INC 90.48 AZM 3.74 TVD 6504.30 WOB 25, GPM 600, DIFF 90, TF 110L WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 14699 INC 90.22 AZM 2.51 TVD 6503.72 WOB 25, GPM 600, DIFF 110, TF 110L WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 14794 INC 87.67 AZM 359.26 TVD 6505.47 WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY @ 14889 INC 87.68 AZM 359.36 TVD 6509.33 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 14983 INC 87.85 AZM 358.73 TVD 6513 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 15078 INC 88.46 AZM 359.26 TVD 6516.06 WOB 25, GPM 600, DIFF 95, TF 110L WOB 35, GPM 600, DIFF 590, RPM 70 SURVEY @ 15172 INC 91.01 AZM .005 TVD 6516.49 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 15267 INC 92.33 AZM .05 TVD 6513.72 WOB 25, GPM 600, DIFF 120, TF 150L WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 15361 INC 91.10 AZM 359.70 TVD 6510.91 WOB 25, GPM 600, DIFF 120, TF 180G WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 15455 INC 90.57 AZM .40 TVD 6509.54 WOB 25, GPM 600, DIFF 120, TF 150 L WOB 35. GPM 600, DIFF 590, RPM 70 SURVEY @ 15550 INC 89.43 AZM 359.70 TVD 6509.54 WOB 35, GPM 600, DIFF 580M RPM 70 SURVEY @ 15645 INC 91.63 AZM 1.89 TVD 6508.66 WOB 25, GPM 600, DIFF 90, TF 150L WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 15739 INC 89.87 AZM .84 TVD 6507.44 WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 15834 INC 91.10 AZM 1.37 T VD 6506.64 WOB 25, GPM 600, DIFF 90, TF 135L WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 15928 INC 91.98 AZM 1.10 TVD 6504.11 WOB 25, GPM 600, DIFF 90, TF 150L WOB 35, GPM 600, DIFF 570, RPM 70 SURVEY @ 16023 INC 90.22 AZM .58 TVD 6502.29 WOB 25, GPM 600, DIFF 90, TF 120 L WOB 35, GPM 600, DIFF 575, RPM 70 SURVEY @ 16117 INC 90.13 AZM 2.51 TVD 6502.00 WOB 25, GPM 600, DIFF 90, TF 120 L WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 16212 INC 89.16 AZM .05 TVD 6502.58 WOB 35, GPM 600, DIFF 580, RPM 70 SURVEY @ 16306 INC 88.64 AZM 358.47 TVD 6504.39



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 7/30/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		DRIL	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:		MIKE CARTER		LAST CSG :		5.500		SHOE MD/TVD:		16,890 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/21/2012		RIG RELEASE:				1ST SALES :			

**REPORT DATE: 07/28/2012** MD :16935 TVD :6500 PROGRESS : 580 DAYS :7 MW :9.8 VISC : 29  
 DAILY: DC: \$87,210 CC :\$0 TC : \$87,210 CUM : DC : \$987,093 CC : \$0 TC : \$987,093  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: LAYING DOWN DRILL PIPE

DAILY DETAILS : WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16401 INC 89.52 AZM 357.85 TVD6505.80 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16496 INC 90.57 AZM 358.11 TVD 6505.72 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16685 INC 89.73 AZM 357.73 TVD 6503.52 WOB 25, GPM 600, DIFF 110, TF 135L WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16685 INC 89.73 AZM 357.73 TVD 6503.52 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16780 INC 91.10 AZM 356.62 TVD 6502.83 WOB 35, GPM 600, DIFF 600, RPM 70 SURVEY @ 16874 INC 91.15 AZM 356.06 TVD 6500.98 WOB 35, GPM 600, DIFF 600, RPM 70 SERVICE RIG AND TOP DRIVE CIRCULATE SWEEPS AND CLEAN HOLE PULL OUT OF HOLE AND STAND BACK FIVE STANDS AND START LAYING DOWN DRILL PIPE @ 3000 FT

**REPORT DATE: 07/29/2012** MD :16935 TVD :6500 PROGRESS : 0 DAYS :8 MW :9.8 VISC : 29  
 DAILY: DC: \$401,276 CC :\$0 TC : \$401,276 CUM : DC : \$1,388,369 CC : \$0 TC : \$1,388,369  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: CIRC W/ RIG PUMP,HOLD SAFETY MTG W/HALLIBURTON, PREP. FOR PROD. CSG CMT JOB

DAILY DETAILS : L/O DRILL STRG. L/O BHA TIH 5 STDS F/ DERRICK L/O DRILL STRG PULL WEAR BUSHING HELD SAFETY MTG WITH ALL PERSONAL M/U DAVIS LYNCH 5.5" SHOE,FLT COLLAR = 5.00', 1 JT 5.5" 17 PPF P110 LTC PROD. CSG, PUMP THRU / CHECK FLT. @ 52.76', RUN 230 JTS INSTALL FLOTATION COLLAR: DEPTH @ 6677' MD / 6405' TVD / 77.0 INCL.\* @ 251 JTS' INSTALL MARKER JT; DEPTH 5725', RUN TTL OF 381 JTS' SHOE SET @ 16895' W/5.43' STICK UP , RUN TURBULIZER EVERY OTHER JT F/#6 JT TO #254 JT=126 TURBULIZERS, CENTRALIZERS EVERY 5TH JT F/ #259 TO #374 JT = 24 CENTRALIZERS ( NO TAG UP / PROBLEMS, FINAL SO WT 50K ) R/D EXPRESS L/D MACHINE & CSG CREW , R/U HALLIBURTON CMT HEAD SHEAR FLOTATION COLLAR W/RIG PUMP @ 2080 PSI. DISPLACE AIR F/CSG DROP INDICATOR PLUG @ 0330 HRS, DISPL. W/ RIG PUMP 392 BBL SYS FLUID @ 7.5 BPM / 490 PSI, PLUG DOWN / PUMP THRU FLT CLLR @ 0500 HRS W/2.5 BPM: ICPP 60 / SHEAR PSI 1156 / FCPP 200 W/3.5 BPM, 910 PSI @ 7.7 BPM

**REPORT DATE: 07/30/2012** MD :16935 TVD :6500 PROGRESS : 0 DAYS :9 MW : VISC :  
 DAILY: DC: \$243,864 CC :\$0 TC : \$243,864 CUM : DC : \$1,632,233 CC : \$0 TC : \$1,632,233  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: WAIT ON DAYLIGHT TO CONT. R/D OPS

DAILY DETAILS : CIRC / HELD SAFETY MTG WITH ALL PERSONAL, R/U & TEST HALLIBURTON LINES BACK TO CMT HEAD TO 5000 PSI PUMP 20 BBL H2O SPACER , LEAD:815 SX CMT(ECONOCHEM H + .15% SA-1015 + 0.65% HR-601, .25 LBM-AIR 5000 @ 11.5 PPG, YIELD 2.79, H2O REQ.16.67 GAL P/SK= 405 BBL SLURRY, / TAIL: 2870 SX CMT(VERSA CEM CLASS H + 0.7% HALAD ,0.1% WG17 , 5% K.CL, + 5 LBM MICROBOND, + 0.2% HR-601, .2%CFR-3, @ 14.4 PPG, YIELD 1.32, H2O REQ. 5.76 GAL P/SCK= 674 BBL SLURRY. DROP PLUG @ 09:00 HRS, DISPLACE W/ 382 BBL H2O, 10 BBL SUGAR WATER= 392 TTL @ 7BPM / 2450 CIRC PSI, BUMP PLUG W/3 BPM @ 10:30 HRS W/ 2285 PSI / SHEARD PLUG W / 4100 PSI OVER, SPACE OUT 5 BBL SUGAR WATER, SHUT WELL IN W/2000 PSI (142 BBLs CMT TO SURF / 286 SX, 250 BBLs INTO DISPLACEMENT) WELL SHUT IN, WAIT ON CEMENT 4 HRS (R/D HALLIBURTON, JET / CLEAN STEEL PITS) HELD SAFETY MTG) BLED PRESS FROM WELLBORE, R/D CMT HEAD, R/U E.T.S NIPPLE DN CREW / WINCHES. SAFETY MTG) N/D BOPE, LIFT BOP & SET SLIPS W/ 95K CSG WT, CUT CSG JT / L/O SAME, INSTALL 11" 5M X 7 1/16" 10M TUBING HEAD, TEST TO 5000 PSI FOR 10 MIN RELEASED RIG @ 1800 HRS 7-29-12, BEGIN R/D OPS, 20 % BACKYARD, 20% TTL RIG DOWN, NIGHT CREW SHUT DOWN @ 22:00 HRS, PLANS ARE TO CONTINUE R/D OPS W/ THREE CREWS @ 0700 HRS 7-30-12 , LAY OVER DERRICK , RIG MOVE ON 7-31-12 W/ BRANTLEY TRUCKING, PROJ. SPUD DATE: 8-2-12 WAIT ON DAYLIGHT



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/6/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	SAUTNER/WADE	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/05/2012</b>	MD :16935	TVD :6500	PROGRESS :	DAYS :10	MW :	VISC :
DAILY: DC: \$0	CC :\$4,125	TC : \$4,125	CUM : DC: \$1,632,233	CC : \$4,125	TC : \$1,636,358	
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
ACTIVITY AT REPORT TIME: WELL SHUT IN.						

DAILY DETAILS : RU API. RUN GR/CCL CASED HOLE LOGS. SHUT WELL IN AND SECURE WELL.  
 CURRENT ACTIVITY: WELL SHUT IN AND SECURED.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/14/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	SAUTNER/WADE	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/14/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :12	MW :	VISC :
DAILY: DC: \$0	CC :\$23,870	TC : \$23,870	CUM : DC : \$1,632,233	CC : \$114,015	TC :	\$1,746,248
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC	OD : 3.375			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
16565	16566	6	60
16625	16626	6	60
16670	16671	6	60
16690	16691	6	60
16714	16715	6	60

ACTIVITY AT REPORT TIME: MIRU TO START FRAC WIRELINE OPERATIONS

DAILY DETAILS : No Activity Frac crew moving over from the University 40 B 1602H. Conduct Safety Meeting with all Service Personnel. Pumpco and API moving into rig up in preparation for frac/Wireline operations. Fill tanks, put on top two valves on stack and move acid from previous location.

Prime up pumps and test lines prior to Wire Line Operations Establish injection rate down casing. Pump at 17.5 BPM 4100 PSI for 452 BBLS Stage #1 Perforating

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

Pump Down:	Max Rate 6.0	Max Psi	3,790
Spot Acid Bbls.	48	Pump Down Fluid	1,348
Set Plug @	16,769'	Test Plug to	4,330 Psi
Perf Cluster #1	16,744'		
Break Down	2,860 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	16,565' to 16,744'		

POOH with wireline put acid away into perfs, All guns confirmed Fired

API Perf Unit 109

API Grease Unit 264

Could not get to TD with plug on first perforating run. Compressed the perfs so that the top shot would remain constant for next run. CBP was set at 16769'. Wireline unit run CCL back to marker joint. 48 BBL acid put away into perforations. Pumpco to perform routine maintenance. Secure well for the night.



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/15/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :
PROPERTY # :	071410	WI % :	79.9	NRI % :
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :

<b>REPORT DATE: 08/15/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :13	MW :	VISC :
DAILY: DC: \$0	CC :\$412,602	TC : \$412,602	CUM : DC : \$1,632,233	CC : \$526,617	TC :	\$2,158,850
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.375	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
16200	16201	6	60
16260	16261	6	60
16325	16326	6	60
16380	16381	6	60
16440	16441	6	60

ACTIVITY AT REPORT TIME: PREP TO FRAC

DAILY DETAILS : Safety meeting held to discuss daily operations, test individual pump over pressure kick outs and test lines to 9000 psi. Stage #1 Frac

16,565' to 16,744'  
 Max Psi 7,770 Max Rate 55.8 Avg Psi 7,540 Avg Rate 50.3  
 Total Clean Fluid 8,076 Production Water 3,401 42.1% Of Total Clean  
 Total Proppant 192,820 Max Prop Con. 2.00  
 ISIP 2380 Frac Gradient 0.80  
 10 min SI - 2070 psi Stage #2 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 4,560  
 Spot Acid Bbls. 48 Pump Down Fluid 654  
 Set Plug @ 16,535' Test Plug to 4,560 Psi  
 Perf Cluster #1 16,496'  
 Break Down 3,420 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 16,200' to 16,496'  
 POOH with wireline left remaining acid across perfs, All guns confirmed fired  
 ISIP 2230 FG .78

API Perf Unit 109  
 API Grease Unit 264

Stage #2 Frac

16,200' to 16,496'  
 Max Psi 7,750 Max Rate 65.3 Avg Psi 7,533 Avg Rate 60.2  
 Total Clean Fluid 7,628 Production Water 2,850 37.4% Of Total Clean  
 Total Proppant 289,413 Max Prop Con. 2.00  
 ISIP 2800 Frac Gradient 0.87

10 MIN SI - 2120 PSI Stage #3 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 4,760  
 Spot Acid Bbls. 48 Pump Down Fluid 614  
 Set Plug @ 16,170' Test Plug to 4,260 Psi  
 Perf Cluster #1 16,140'  
 Break Down 4,980 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 15,835' to 16,140'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 .78

ISIP 2258 FG

API Perf Unit 109  
 API Grease Unit 264

Stage #3 Frac

15,835' to 16,140'



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/15/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

Max Psi 7,790 Max Rate 78.8 Avg Psi 7,231 Avg Rate 61.3  
 Total Clean Fluid 8,083 Production Water 1,480 18.3% Of Total Clean  
 Total Proppant 288,697 Max Prop Con. 2.00  
 ISIP 2584 Frac Gradient 0.83  
 10 MIN SHUT IN 2240 Stage #4 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 2,780  
 Spot Acid Bbls. 48 Pump Down Fluid 646  
 Set Plug @ 15,805' Test Plug to 4,430 Psi  
 Perf Cluster #1 15,764'  
 Break Down 4,750 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 15,470' to 15,764'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 FG .79

ISIP 2325

API Perf Unit 109  
 API Grease Unit 264

Stage #4 Frac

15,470' to 15,764'  
 Max Psi 6,450 Max Rate 83.0 Avg Psi 5,948 Avg Rate 82.2  
 Total Clean Fluid 6,287 Production Water 0 0.0% Of Total Clean  
 Total Proppant 286,772 Max Prop Con. 2.00  
 ISIP 2630 Frac Gradient 0.84  
 10 Min shut in 2320 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 15.6 Max Psi 2,790  
 Spot Acid Bbls. 48 Pump Down Fluid 649  
 Set Plug @ 15,440' Test Plug to 4,450 Psi  
 Perf Cluster #1 15,405' with 6  
 Break Down 3,800 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 15,100' to 15,405'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 FG .79

ISIP 2341

API Perf Unit 109  
 API Grease Unit 264

Stage #5 Frac

15,100' to 15,764'  
 Max Psi 7,270 Max Rate 84.3 Avg Psi 5,738 Avg Rate 83.5  
 Total Clean Fluid 6,211 Production Water 0 0.0% Of Total Clean  
 Total Proppant 288,388 Max Prop Con. 2.00  
 ISIP 2599 Frac Gradient 0.83

10 min shut in 2220 Pumpco to perform routine maintenance. Secure well for the night.





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/16/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY, ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/16/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :14	MW :	VISC :
DAILY: DC: \$0	CC :\$352,170	TC : \$352,170	CUM : DC : \$1,632,233	CC : \$878,787	TC :	\$2,511,019
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.375	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
13400	13401	6	60
14750	14751	6	60
14800	14801	6	60
14860	14861	6	60
14926	14927	6	60

ACTIVITY AT REPORT TIME: PERFORATE STAGE 6

DAILY DETAILS : Safety Meeting, pump trips set at 8000 to 8200 PSI, pop off set at 8000 PSI Stage #6 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 2,880
Spot Acid Bbls.	48	Pump Down Fluid 497
Set Plug @	15,075'	Test Plug to 4,500 Psi
Perf Cluster #1	15,040'	
Break Down	3,780	Psi Pump 12 bbls acid into cluster #1
Perforated Interval	14,750' to 15,040'	

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

API WL Unit 109

API Grease Unit 264 Flange above Valve 2 on the Frac stack was leaking, Supreme was called out. They hammered up flange, pressured test to 7750 PSI, flange was holding Stage #6 Frac

14,750' to 15,040'	
Max Psi 7,725	Max Rate 65.2 Avg Psi 7,152 Avg Rate 60.9
Total Clean Fluid	6,184 Production Water 2,395 38.7% Of Total Clean
Total Proppant	288,230 Max Prop Con. 2.00
ISIP 2740	Frac Gradient 0.86

10 Min SI Pressure 2240 PSI 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 15.1	Max Psi 2,880
Spot Acid Bbls.	48	Pump Down Fluid 499
Set Plug @	14,710'	Test Plug to 4,450 Psi
Perf Cluster #1	14,675'	
Break Down	5,060	Psi Pump 12 bbls acid into cluster #1
Perforated Interval	14,375' to 14,675'	

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

API Perf Unit 109

API Grease Unit 264

Stage #7 Frac

14,375' to 14,675'	
Max Psi 7,440	Max Rate 81.6 Avg Psi 6,818 Avg Rate 75.7
Total Clean Fluid	6,310 Production Water 1,876 29.7% Of Total Clean
Total Proppant	285,900 Max Prop Con. 2.00
ISIP 2920	Frac Gradient 0.88

Stage #8 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: 8/16/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

Pump Down: Max Rate 15.0 Max Psi 2,990  
 Spot Acid Bbls. 48 Pump Down Fluid 498  
 Set Plug @ 14,340' Test Plug to 4,440 \Psi  
 Perf Cluster #1 14,314'  
 Break Down 2,990 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 14,010' to 14,314'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #8 Frac

14,010' to 14,314'  
 Max Psi 7,700 Max Rate 83.2 Avg Psi 6,591 Avg Rate 78.9  
 Total Clean Fluid 6,220 Production Water 1,690 27.2% Of Total Clean  
 Total Proppant 288,000 Max Prop Con. 2.00  
 ISIP 2547 Frac Gradient 0.83 Stage #9 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 3,080  
 Spot Acid Bbls. 48 Pump Down Fluid 455  
 Set Plug @ 13,980' Test Plug to 4,440 Psi  
 Perf Cluster #1 13,945'  
 Break Down 3,080 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 13,645' to 13,945'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #9 Frac

13,645' to 13,945'  
 Max Psi 8,000 Max Rate 80.0 Avg Psi 7,219 Avg Rate 60.3  
 Total Clean Fluid 7,235 Production Water 3,692 51.0% Of Total Clean  
 Total Proppant 289,990 Max Prop Con. 2.00  
 ISIP 2578 Frac Gradient 0.83 Set plug at 13,980 went to fire first gun did not go

had to pull out of hole with gun. Flowed well back and cut out the caged ball in the CFP, Flowed for about 45 minutes to ensure ball was cut. Re-flush well with 350 bbls at 30 bpm, @ 6000 psi.

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 15.0 Max Psi 3,180  
 Spot Acid Bbls. 48 Pump Down Fluid 1,267  
 Set Plug @ 13,615' Test Plug to 4,430 Psi  
 Perf Cluster #1 13,580'  
 Break Down 3,180 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 13,280' to 13,580'  
 POOH with wireline pump remaining acid into perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

SWFN - Pumpco doing Maintenance



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/17/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0	
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/17/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :15	MW :	VISC :
DAILY: DC: \$0	CC :\$424,325	TC : \$424,325	CUM : DC : \$1,632,233	CC : \$1,303,112	TC :	\$2,935,344
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.375	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
12920	12921	6	60
12975	12976	6	60
13035	13036	6	60
13102	13103	6	60
13155	13156	6	60

ACTIVITY AT REPORT TIME: FRAC STAGE 10

DAILY DETAILS : Pump Trips set at 7800 to 8000 PSI, pop off set at 8000 PSI, Safety Meeting Stage #10 Frac

13,280' to 13,580'  
 Max Psi 7,790 Max Rate 70.3 Avg Psi 7,427 Avg Rate 61.7  
 Total Clean Fluid 6,674 Production Water 2,478 37.1% Of Total Clean  
 Total Proppant 284,710 Max Prop Con. 2.00  
 ISIP 2980 Frac Gradient 0.89  
 10 min shut in 2280 Stage #11 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 2,830  
 Spot Acid Bbls. 48 Pump Down Fluid 397  
 Set Plug @ 13,250' Test Plug to 4,530 Psi  
 Perf Cluster #1 13,210'  
 Break Down 5,240 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 12,920' to 13,210'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #11 Frac

12,920' to 13,210'  
 Max Psi 7,610 Max Rate 81.0 Avg Psi 7,080 Avg Rate 71.8  
 Total Clean Fluid 5,851 Production Water 1,356 23.2% Of Total Clean  
 Total Proppant 288,400 Max Prop Con. 2.00  
 ISIP 3190 Frac Gradient 0.93

10 min shut in 2030 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 15.6 Max Psi 2,710  
 Spot Acid Bbls. 48 Pump Down Fluid 381  
 Set Plug @ 12,885' Test Plug to 4,540 Psi  
 Perf Cluster #1 12,850'  
 Break Down 2,860 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 12,550' to 12,850'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #12 Frac

12,550' to 12,850'  
 Max Psi 7,900 Max Rate 82.1 Avg Psi 6,531 Avg Rate 74.9



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/17/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

Total Clean Fluid	5,776	Production Water	1,491	25.8%	Of Total Clean
Total Proppant	288,740	Max Prop Con.	2.00		
ISIP	2900	Frac Gradient	0.88		

10 min shut in 2200 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	2,870
Spot Acid Bbls.	48	Pump Down Fluid	376
Set Plug @	12,520'	Test Plug to	4,360 Psi
Perf Cluster #1	12,485'		
Break Down	2,870	Psi	Pump
Perforated Interval	12,185' to 12,485'		

12 bbls acid into cluster #1  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #13 Frac

12,185' to 12,485'				
Max Psi	8,000	Max Rate	82.3	Avg Psi 7,211 Avg Rate 63.5
Total Clean Fluid	6,099	Production Water	1,203	19.7% Of Total Clean
Total Proppant	293,354	Max Prop Con.	2.00	
ISIP	2640	Frac Gradient	0.84	

10 min - 2090 Stage #14 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	2,850
Spot Acid Bbls.	48	Pump Down Fluid	344
Set Plug @	12,155'	Test Plug to	4,400 Psi
Perf Cluster #1	12,120'		
Break Down	2,850	Psi	Pump
Perforated Interval	11,820' to 12,120'		

12 bbls acid into cluster #1  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #14 Frac

11,820' to 12,120'				
Max Psi	7,270	Max Rate	83.0	Avg Psi 5,913 Avg Rate 79.9
Total Clean Fluid	5,880	Production Water	976	16.6% Of Total Clean
Total Proppant	288,180	Max Prop Con.	2.00	
ISIP	2586	Frac Grad.	0.83	

10 Min = 2170 Stage #15 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	2,890
Spot Acid Bbls.	48	Pump Down Fluid	313
Set Plug @	11,790'	Test Plug to	4,350 Psi
Perf Cluster #1	11,760'		
Break Down	2,890	Psi	Pump
Perforated Interval	11,460' to 11,760'		

12 bbls acid into cluster #1  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

Stage #15 Frac

11,460' to 11,760'



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/17/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

Max Psi 7,450    Max Rate 83.6    Avg Psi 5,912    Avg Rate 77.2  
 Total Clean Fluid 6,618    Production Water 0    0.0%    Of Total Clean  
 Total Proppant 289,461    Max Prop Con. 2.00  
 ISIP 2621    Frac Grad. 0.84  
 10 min = 2310 Stage #16 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 2,930  
 Spot Acid Bbls. 48    Pump Down Fluid 347  
 Set Plug @ 11,425'    Test Plug to 4,190    Psi  
 Perf Cluster #1 11,390'  
 Break Down 2,930    Psi    Pump 12 bbls acid into cluster #1  
 Perforated Interval 11,090' to 11,390'  
 POOH with wireline pump remaining acid into perfs, All guns confirmed Fired

API Perf Unit 109  
 API Grease Unit 264

SWFN - No activity



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/18/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS : 16	MW :	VISC :
DAILY: DC: \$0	CC :\$422,430	TC : \$422,430	CUM : DC : \$1,632,233	CC : \$1,725,542	TC :	\$3,357,774
FORMATION:		PBTD : 0	PERF :	PKR.DPTH:		
CONTRACTOR : API		GUN TYPE : HSC	OD : 3.375			

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
10725	10726	6	60
10785	10786	6	60
10850	10851	6	60
10905	10906	6	60
10965	10966	6	60

ACTIVITY AT REPORT TIME: FRAC

DAILY DETAILS : Safety meeting with all personnel on location. Set individual pump over pressure kick outs and test lines to 9000 psi. While pumping 1.5 ppg 40/70, operator notified Supervisor that the working tanks had fallen to below 2 foot. Flushed well and shut down to refill tanks.  
DOWN TIME: WATER TRANSFER: Refilling frac tanks. Stage #16 Frac

11,090'	to	11,390'				
Max Psi	6,931	Max Rate	81.6	Avg Psi	5,269	Avg Rate 81.1
Total Clean Fluid			6,583	Production Water	2,050	31.1% Of Total Clean
Total Proppant		291,940	Max Prop Con.	2.00		
ISIP	2740	Frac Grad.	0.86			

10 MIN SI - 2990 Stage #17 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	4,510
Spot Acid Bbls.	48	Pump Down Fluid	289
Set Plug @	11,065'	Test Plug to	4,510 Psi
Perf Cluster #1	11,025'		
Break Down	5,240	Psi	Pump
Perforated Interval	10,725' to 11,025'		12 bbls acid into cluster #1

POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
ISIP - 2480 FG - .82

API Perf Unit 109  
API Grease Unit 264

Stage #17 Frac

10,725'	to	11,025'			
Max Psi	7,960	Max Rate	83.3	Avg Psi	6,787
Total Clean Fluid			6,200	Production Water	2,176
Total Proppant		289,180	Max Prop Con.	2.00	35.1% Of Total Clean
ISIP	2985	Frac Grad.	0.89		

10 MIN SI - 2340 PSI Stage #18 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	4,580
Spot Acid Bbls.	48	Pump Down Fluid	281
Set Plug @	10,695'	Test Plug to	4,580 Psi
Perf Cluster #1	10,664'		
Break Down	3,525	Psi	Pump
Perforated Interval	10,360' to 10,664'		12 bbls acid into cluster #1

POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
ISIP 2470 FG .81

API Perf Unit 109  
API Grease Unit 264

Stage #18 Frac





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:VALLIANT/MCKINNEY/MOLINA				LAST CSG :		5.500		SHOE MD/TVD:		16,890 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/21/2012		RIG RELEASE:		7/29/2012		1ST SALES :			

10,360' to 10,664'  
 Max Psi 7,860 Max Rate 81.7 Avg Psi 7,516 Avg Rate 51.9  
 Total Clean Fluid 5,798 Production Water 2,056 35.5% Of Total Clean  
 Total Proppant 289,272 Max Prop Con. 2.00  
 ISIP 2740 Frac Grad. 0.86  
 10 Min shut in 2260 Stage #19 Perforating  
 Perforate w/ 3 3/8" 6 SPF 60? phasing -SDP HSC guns & set Halliburton 10k caged ball CFP

Pump Down: Max Rate 15.8 Max Psi 2,840  
 Spot Acid Bbls. 48 Pump Down Fluid 281  
 Set Plug @ 10,330' Test Plug to 4,480 Psi  
 Perf Cluster #1 10,295'  
 Break Down 3,080 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 9,995' to 10,295'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

ISIP 2420 FG .81  
 API Perf Unit 109  
 API Grease Unit 264 Stage #19 Frac

9,995' to 10,295'  
 Max Psi 8,020 Max Rate 82.6 Avg Psi 6,202 Avg Rate 77.5  
 Total Clean Fluid 5,582 Production Water 2,013 36.1% Of Total Clean  
 Total Proppant 289,530 Max Prop Con. 2.00  
 ISIP 3000 Frac Grad. 0.90

10 min shut in 2270 Stage #20 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 2,800  
 Spot Acid Bbls. 48 Pump Down Fluid 265  
 Set Plug @ 9,965' Test Plug to 4,590 Psi  
 Perf Cluster #1 9,930'  
 Break Down 3,050 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 9,630' to 9,930'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

ISIP 2420 FG .81  
 API Perf Unit 109  
 API Grease Unit 264

Stage #20 Frac

9,630' to 9,930'  
 Max Psi 8,120 Max Rate 80.9 Avg Psi 6,391 Avg Rate 77.8  
 Total Clean Fluid 5,630 Production Water 2,084 37.0% Of Total Clean  
 Total Proppant 289,530 Max Prop Con. 2.00  
 ISIP 2590 Frac Grad. 0.83



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:VALLIANT/MCKINNEY/MOLINA				LAST CSG :		5.500		SHOE MD/TVD:		16,890 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/21/2012		RIG RELEASE:		7/29/2012		1ST SALES :			

10 min shut in 2150

Stage #21 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 2,800  
 Spot Acid Bbls. 48 Pump Down Fluid 267  
 Set Plug @ 9,594' Test Plug to 4,500 Psi  
 Perf Cluster #1 9,565'  
 Break Down 3,210 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 9,265' to 9,565'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired

ISIP 2460 FG .81

API Perf Unit 109

API Grease Unit 264

Stage #21 Frac

9,265' to 9,565'  
 Max Psi 8,100 Max Rate 80.8 Avg Psi 6,524 Avg Rate 72.5  
 Total Clean Fluid 5,603 Production Water 2,159 38.5% Of Total Clean  
 Total Proppant 288,569 Max Prop Con. 2.00  
 ISIP 2685 Frac Grad. 0.85

10 min shut in 2380

Went in to perforate stage #22. Guns

got on bottom but when the plug was set the guns flooded and one of the guns shot. POOH with plug and gun assembly to determine failure and which gun fired.

Port plug on setting tool was flooded. Number two gun fired at 9195'. Run back in with another plug to set above perforation, then compress bottom two shots and fire the rest on target for zone #22. No activity due to lightening. Could not pull the live guns out until storm passed. Down 30 minutes, had wireline stop at 3000' from surface until advised to pull out. Stage #22 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 2,730  
 Spot Acid Bbls. 96 Pump Down Fluid 568  
 Set Plug @ 9,190' Test Plug to 0 Psi  
 Perf Cluster #1 9,170'  
 Break Down 0 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 8,900' to 9,170'  
 POOH with wireline put remaining acid away into perfs, All guns confirmed Fired

ISIP 2390 FG .80

API Perf Unit 109

API Grease Unit 264

All 96 bbls acid was put away into perforations  
 perform routine maintenance

Secure well, Pumpco to



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/19/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :17	MW :	VISC :
DAILY: DC: \$0	CC :\$850,505	TC : \$850,505	CUM : DC : \$1,632,233	CC : \$2,576,047	TC :	\$4,208,279
FORMATION:		PBTD : 0	PERF :		PKR.DPTH:	
CONTRACTOR : API		GUN TYPE : HSC			OD : 3.375	

<u>TOP DEPTH</u>	<u>BOTTOM DEPTH</u>	<u>DENSITY</u>	<u>PHASE</u>
8540	8541	6	60
8595	8596	6	60
8655	8656	6	60
8720	8721	6	60
8775	8776	6	60

ACTIVITY AT REPORT TIME: PRIME UP

DAILY DETAILS : Safety meeting with all personnel on location. Test individual pump kick outs and test lines to 9000 psi. Stage #22 Frac

8,900' to 9,170'  
 Max Psi 7,710 Max Rate 82.6 Avg Psi 6,753 Avg Rate 78.2  
 Total Clean Fluid 6,472 Production Water 2,134 33.0% Of Total Clean  
 Total Proppant 292,020 Max Prop Con. 2.00  
 ISIP 2890 Frac Grad. 0.88  
 10 min SI - 2120 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 15.0 Max Psi 4,520  
 Spot Acid Bbls. 48 Pump Down Fluid 240  
 Set Plug @ 8,870' Test Plug to 4,520 Psi  
 Perf Cluster #1 8,835'  
 Break Down 3,950 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 8,535' to 8,835'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 ISIP 2575 FG .83

API Perf Unit 109  
 API Grease Unit 264  
 depth of 500' due to lightning in the area. Stage #23 Frac

Shut down all operations with wireline tool in the hole at a

8,535' to 8,835'  
 Max Psi 7,720 Max Rate 82.7 Avg Psi 6,284 Avg Rate 80.0  
 Total Clean Fluid 5,598 Production Water 1,660 29.7% Of Total Clean  
 Total Proppant 290,940 Max Prop Con. 2.00  
 ISIP 2740 Frac Grad. 0.86  
 10 min SI - 2180 Stage #24 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 4,550  
 Spot Acid Bbls. 48 Pump Down Fluid 236  
 Set Plug @ 8,505' Test Plug to 4,550 Psi  
 Perf Cluster #1 8,470'  
 Break Down 3,530 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 8,170' to 8,470'  
 POOH with wireline left remaining acid across perfs, All guns confirmed Fired  
 ISIP 2475 FG .82

API Perf Unit 109  
 API Grease Unit 264  
 Stage #24 Frac

8,170' to 8,470'



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

Max Psi	7,250	Max Rate	81.9	Avg Psi	6,044	Avg Rate	80.1
Total Clean Fluid			5,623	Production Water	2,563	45.6%	Of Total Clean
Total Proppant			290,080	Max Prop Con.	2.00		
ISIP	2600	Frac Grad.	0.83				

10 MIN SHUT IN 2090

Stage #25 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	2,760
Spot Acid Bbls.	48	Pump Down Fluid	227
Set Plug @	8,145'	Test Plug to	4,580 Psi
Perf Cluster #1	8,105'		
Break Down	3,100 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	7,805' to 8,105'		

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

ISIP 2290 FG .79  
API Perf Unit 109  
API Grease Unit 264

Stage #25 Frac

7,805' to 8,105'			
Max Psi	6,890	Max Rate	81.8
Total Clean Fluid		Production Water	2,017
Total Proppant		Max Prop Con.	2.00
ISIP	2625	Frac Grad.	0.84

10 min shut in 2160 Stage #26 Perforating

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

Pump Down:	Max Rate 14.4	Max Psi	2,710
Spot Acid Bbls.	48	Pump Down Fluid	222
Set Plug @	7,775'	Test Plug to	4,610 Psi
Perf Cluster #1	7,740'		
Break Down	3,100 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	7,440' to 7,740'		

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

ISIP 2420 FG .81  
API Perf Unit 109  
API Grease Unit 264

Stage #26 Frac

7,440' to 7,740'			
Max Psi	7,910	Max Rate	81.3
Total Clean Fluid		Production Water	2,289
Total Proppant		Max Prop Con.	2.00
ISIP	2720	Frac Grad.	0.85

10 min shut in 2220 Stage #27 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	2,730
Spot Acid Bbls.	48	Pump Down Fluid	215
Set Plug @	7,410'	Test Plug to	4,320 Psi
Perf Cluster #1	7,375'		
Break Down	3,180 Psi	Pump	12 bbls acid into cluster #1
Perforated Interval	7,075' to 7,375'		

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

ISIP 2490 FG .82  
API Perf Unit 109  
API Grease Unit 264

Stage #27 Frac



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/20/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	VALLIANT/MCKINNEY/MOLINA	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY			KB ELEV :	0 GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

7,075' to 7,375'  
 Max Psi 5,700 Max Rate 83.1 Avg Psi 5,058 Avg Rate 82.7  
 Total Clean Fluid 5,713 Production Water 2,267 39.7% Of Total Clean  
 Total Proppant 289,460 Max Prop Con. 2.00  
 ISIP 2680 Frac Grad. 0.85  
 10 min shut in 2290 Stage #28 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 3,000  
 Spot Acid Bbls. 48 Pump Down Fluid 204  
 Set Plug @ 7,045' Test Plug to 4,290 Psi  
 Perf Cluster #1 7,010'  
 Break Down 3,500 Psi Pump 12 bbls acid into cluster #1  
 Perforated Interval 6,710' to 7,010'  
 POOH with wireline left remaining acid across perms, All guns confirmed Fired

ISIP 2500 FG .82  
 API Perf Unit 109  
 API Grease Unit 264 Stage #28 Frac

6,710' to 7,010'  
 Max Psi 6,420 Max Rate 82.9 Avg Psi 5,226 Avg Rate 82.7  
 Total Clean Fluid 5,503 Production Water 2,064 37.5% Of Total Clean  
 Total Proppant 287,660 Max Prop Con. 2.00  
 ISIP 2780 Frac Grad. 0.86  
 10 min shut in 2340 Pumpco to perform routine maintenance. Well head secure

Totals  
 Sand :  
 100 mesh 5,398,511 lb  
 40/70 2,600,706 lb

Diesel :  
 Clear 1,170 gal  
 Dyed 32,681 gal

Fluids:  
 Clean 174,328 bbl  
 Prod 52,420 bbl  
 Acid 1,392 bbl



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/22/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

<b>REPORT DATE: 08/22/2012</b>	MD :16935	TVD :6500	PROGRESS : 0	DAYS :18	MW :	VISC :
DAILY: DC: \$0	CC :\$17,193	TC : \$17,193	CUM : DC: \$1,632,233	CC : \$2,593,240	TC :	\$4,225,472
FORMATION:		PBTD : 0	PERF :	PKR.DPTH: 0		
ACTIVITY AT REPORT TIME:	N/A					

DAILY DETAILS : NO ACTIVITY RU API WIRE LINE TRUCK INSTALL LUB CHECK WELL PRESSURE @ 600 PSI RIH W/ 5-1/2" CBP ( CAP PLUG )  
 SET @ 6,100' 40 Deg.POOH , BLEED OFF , CHECK WELL PRESSURE @ 0 PSI PLUG HOLDING GOOD , RD & RELEASE API  
 HELD CREW SAFETY MEETING , MIRU WSU NABORS # 227 , SPOT SUPORT EQUIP. UNLOAD 262 JTS 2-7/8" PH-6 W/S  
 SWI & SDFN , WAIT ON NEW W/S & FRAC TO BE COMPLETE ON UNIV. 40 B # 1602 NO ACTIVITY  
 NO ACCIDENTS REPORTED  
 FUEL USAGE = RIG 30 GAL , WIRELINE TRUCK 20 GAL =TOTAL 50 CLEAR DIESEL





# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/27/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

**REPORT DATE: 08/25/2012**   MD :16935   TVD :6500   PROGRESS : 0   DAYS :19   MW :   VISC :  
 DAILY: DC: \$0   CC :\$22,803   TC : \$22,803   CUM : DC : \$1,632,233   CC : \$2,616,043   TC : \$4,248,275  
 FORMATION:   PBD : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   N/A WAIT ON FRAC TO BE COMPLETE ON UNIV. 40 B 1602

DAILY DETAILS : NO ACTIVITY CREW SAFETY MEETING DALE MEYER FORKLIFT MOVED 262 JTS 2-7/8" PH-6 OLD W/ OFF RACKS UNLOAD  
 545 JTS 2-7/8" PH-6 W/S (SENT 262 JTS IN W/ MEYER FOR INSPECTION ) ND MASTER VAVLE , NU BOP STACK , TEST 2,200  
 PSI , ON BLINDS ,PIPE & ANUL. (OK) CREW COUNT & TALLY NEW 545 JTS 2-7/8" PH-6 W/S CREW BREAK FOR LUNCH PU  
 NEW 4-3/4" VAREL ROCK BIT ,SUB ,2 WEATHERFORD STRING FLOATS TIH W/ BHA & 197 JTS 2-7/8" PH-6 W/S TAG CAP  
 PLUG ADD R NIPPLE BETWEEN JT # 196 &197 RU POWER SWIVEL ,HOOK UP PUMP BREAK CIRCL. W/50 BBLS F/W  
 SWISDFN , NO ACCIDENTS REPORTED , FUEL USAGE = RIG 65 GAL , PUMP 10 GAL =75 GAL DIESEL NO ACTIVITY



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/27/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:		JOHN DAGENHART		LAST CSG :		5.500		SHOE MD/TVD:		16,890 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY						KB ELEV :		0 GL ELEV: 0	
SPUD DATE :		7/21/2012		RIG RELEASE:		7/29/2012		1ST SALES :			

**REPORT DATE: 08/27/2012** MD :16935 TVD :6500 PROGRESS : 0 DAYS :20 MW : VISC :  
 DAILY: DC: \$0 CC :\$25,355 TC : \$25,355 CUM : DC : \$1,632,233 CC : \$2,641,398 TC : \$4,273,630  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: CONT, D/O CFPS

DAILY DETAILS : NO ACTIVITY CREW SAFETY MEETING OPEN UP BOP BREAK CIRL. START D/O CAP PLUG @ 7:15 OUT @ 7:40 , DRILL CAP  
 PLUG & CFP 1-14 OF 28 WASH DOWN TO # 15 , START TORQUE @ 2,800 FP ,W/ 197 JTS IN HOLE, @ 1,150 PSI , 4.7 BPM  
 RATE , END TORQUE @ 3,600 FP 390 JTS IN HOLE - 1,275 PSI, PUMP RATE @ 4.7 BPM  
 LIGHT SAND , PUMP MF-55 SWEEP AFTER EVERY PLUG  
 NO ACCIDENTS REPORTED , FUEL USAGE = RIG 75 GAL, PUMP 240 GAL =315 GAL CLEAR DIESEL CIRCL. & FLOW BACK  
 OVER NIGHT W/ FLOW BACK CREW SUPERVISON ,ROTATE & MOVE PIPE UP -DOWN 10 MIN EVERY HR , PUMP MF-55  
 SWEEP @ 12:00 & 5 :AM  
 Well Name : UNIVERSITY 40B #1603H  
 Tubing Pressure : psi  
 Casing Pressure : 125 psi  
 Choke : 0/64th in  
 Oil in last hour : 0 bbls  
 Oil in last 24 hours : 0 bbls  
 Water in last hour : 155 bbls  
 Water in last 24 Hours : 3720 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 176328 bbls  
 Load Water Recovered : 3720.00 bbls  
 % Load Water Recovered : 2.11 %  
 Chlorides : 53333 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :  
 Well Name : UNIVERSITY 40B #1603H  
 Tubing Pressure : psi  
 Casing Pressure : 125 psi  
 Choke : 0/64th in  
 Oil in last hour : 0 bbls  
 Oil in last 24 hours : 0 bbls  
 Water in last hour : 155 bbls  
 Water in last 24 Hours : 3720 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 176328 bbls  
 Load Water Recovered : 3720.00 bbls  
 % Load Water Recovered : 2.11 %  
 Chlorides : 53333 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/28/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :
PROPERTY # :	071410	WI % :	79.9	NRI % :
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :

**REPORT DATE: 08/28/2012**   MD :16935   TVD :6500   PROGRESS : 0   DAYS :21   MW :   VISC :  
 DAILY: DC: \$0   CC :\$24,805   TC : \$24,805   CUM : DC : \$1,632,233   CC : \$2,668,678   TC : \$4,300,910  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   FINISH D/O CFPS LD TBG. RUN GLVS

DAILY DETAILS : FLOW BACK & CIRCL OVER NIGHT , W / 125 PSI CSG PRESSURE & 155 BPH FLOW BACK CONT. D/O CFPS 15-25 OF 28 ,  
 WASH @ # 26 , START TORQUE 3,400 FP W/ 391 JTS , END TORQUE 4,100 FP W/ 520 JTS IN HOLE , AVG. PUMP PRESSURE  
 1,350 PSI , CSG.125 PSI AVG , 4.7 BPM RATE  
 PUMP MF-55 SWEEP AFTER EVERY PLUG , RETURNS CLEAN W/ LIGHT SAND  
 NO ACCIDENTS REPORTED , FUEL USAGE= RIG 70 GAL., PUMP 230 GAL =300 GAL CLEAR DIESEL CIRCL. & FLOW BACK  
 OVER NIGHT W/ FLOW BACK CREW SUPERVISON , ROTATE & MOVE PIPE UP-DOWN 10 MIN EVERY HR , PUMP SWEEP @  
 12:00 & 5:AM   Well Name : UNIVERSITY 40B #1603H  
 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 : 135 bbls  
 Water in last 24 Hours : 3240 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 176328 bbls  
 Load Water Recovered : 6960.00 bbls  
 % Load Water Recovered : 3.95 %  
 Chlorides : 53333 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/29/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :
PROPERTY # :	071410	WI % :	79.9	NRI % :
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :
REPORTED BY:	JOHN DAGENHART	LAST CSG :	5.500	SHOE MD/TVD:
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV: 0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :

**REPORT DATE: 08/29/2012**   MD :16935   TVD :6500   PROGRESS : 0   DAYS :22   MW :   VISC :  
 DAILY: DC: \$0   CC :\$63,730   TC : \$63,730   CUM : DC : \$1,632,233   CC : \$2,732,408   TC : \$4,364,640  
 FORMATION:   PBDT : 0   PERF :   PKR.DPTH:  
 ACTIVITY AT REPORT TIME:   KILL WELL POOH LD REMAINING W/S, RIH W/ GLVS , ND BOP STACK NU PROD TREE, RDMOL

DAILY DETAILS : WELL ON FLOW BACK & CIRCL.@ 50 PSI CSG.PRESSURE W/ 135 BPH FLOW BACK CREW SAFETY MEETING CONT. D/O  
 CFPS 26-27 OF 28 ( NO DRILL # 28 BPTD @ 16,769' ) CIRCULATE BOTTOMS UP , W/ 380 BBLS CLEAN F/W & VISMATER  
 SWEEP SWIVEL 5 JTS OUT OF HOLE , RD POWER SWIVEL & RACK UP CREW BREAK FOR LUNCH CONT. LD 333 JTS 2-7/8"  
 PH-6 W/S , PULLED TO R NIPPLE LEAVEING 196 JTS 2-7/8"PH-6 W/S IN HOLE , EOT @ 40 Deg. 6,078' CLOSE IN PIPE RAMS  
 PUT TIW VAVLE IN TBG ,SHUT DOWN RIG OPERATION, SDFN  
 NO ACCIDENTS REPORTED / FUEL USAGE = RIG 65 GAL , PUMP 130 GAL = 195 GAL CLEAR DIESEL FLOW BACK WELL W/  
 FLOW BACK CREW SUPERVISON EOT @ 40 Deg. 196 JTS IN HOLE  
 Well Name : UNIVERSITY 40B #1603H  
 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 : 120 bbls  
 Water in last 24 Hours : 2880 bbls  
 Gas last hour : 0 mcf  
 Avg Gas in last 24 hours : mcf  
 Load Water : 176328 bbls  
 Load Water Recovered : 9840.00 bbls  
 % Load Water Recovered : 5.58 %  
 Chlorides : 53333 ppm  
 Proppant : gal/hr  
 H2S : 0 ppm  
 CO2 : mole %  
 Oil Gravity :  
  
 Hondo  
 432-661-6613



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/30/2012

WELL NAME : UNIVERSITY 40B #1603H

WELL NAME :		UNIVERSITY 40B #1603H		EVENT NO. : 1		DIVISION :		MIDLAND			
OPERATOR :		EOG RESOURCES, INC		WELL TYPE :		DEVO		WELL CLASS :		COMP	
FIELD :		UNASSIGNED		DISTRICT :		MIDLAND		PLAN MD/TVD :		17,010 / 6,435	
COUNTY,ST. :		CROCKETT , TX		API # :		42-105-41390		TAX/CREDIT :			
PROPERTY # :		071410		WI % :		79.9		NRI % :		59.558	
AFE# :		105021		AFE TOTAL :		\$7,033,424		DHC :		\$1,345,124 CWC : \$5,688,300	
REPORTED BY:		DEE WIMBERLY		LAST CSG :		5.500		SHOE MD/TVD:		16,890 /	
RIG CONTR. :		CACTUS		RIG NAME :		102		WATER DEPTH:			
LOCATION :		350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY		KB ELEV :		0		GL ELEV:		0	
SPUD DATE :		7/21/2012		RIG RELEASE:		7/29/2012		1ST SALES :			

**REPORT DATE: 08/30/2012** MD :16935 TVD :6500 PROGRESS : 0 DAYS :23 MW : VISC :  
 DAILY: DC: \$0 CC :\$35,463 TC : \$35,463 CUM : DC : \$1,632,233 CC : \$2,767,871 TC : \$4,400,103  
 FORMATION: PBDT : 0 PERF : PKR.DPTH:  
 ACTIVITY AT REPORT TIME: KILL WELL,LAY REST OF TBG. DOWN,TIH W/PRODUCTION,R.D. TURN OVER TO PRODUCTION

DAILY DETAILS : NO ACTIVITY HELD SAFETY MEETING, PUMPED 300 BBS. 10# DOWN TBG. BLED GAS OFF UNTIL WELL HAS 0 PSI OR FLOWBACK STARTED LAING DOWN TBG. SDFL LAYED DOWN TOTAL 196JTS. 27/8 PH6, X-OVER, 2 STRING FLOATSN& 43/4 BIT TIH W/ 200JTS. 27/8 J-55 EUE TBG. ,8 GLVS, & PACKER AS1X BIG BORE ,EOT @ 6852.15 , S/N @ 6581.70,PACKER @ 6157.20,ON/OFF TOOL @ 6150.00, GLV SETTING BELOW

Company: EOG Resources

Date: 8/29/2012

Lease: University 40B- 1603H

County: Crockett

Csg: 5 1/2" 17#

Co.Rep: Dee Wimberly

State: TX

Tbg: 2-7/8' 6.5#

## Tubing Data

Length	Depth	Description	OD	ID
27.00		Elevation		27.00
1687.56		51	2.875 2.441	1660.56
4.1	1691.66	GLV #8 L-80	4.335	2.441
2798.7		34	2.875 2.441	1107.04
4.1	2802.8	GLV #7 L-80	4.335	2.441
3388.88		18	2.875 2.441	586.08
4.1	3392.98	GLV #6 L-80	4.335	2.441
3881.38		15	2.875 2.441	488.4
4.1	3885.48	GLV #5 L-80	4.335	2.441
4406.44		16	2.875 2.441	520.96
4.1	4410.54	GLV #4 L-80	4.335	2.441
4898.94		15	2.875 2.441	488.4
4.1	4903.04	GLV #3 L-80	4.335	2.441
5391.44		GLV #8 15	2.875 2.441	488.4
4.1	5395.54	GLV #2 L-80	4.335	2.441
5916.5		16	2.875 2.441	520.96
4.1	5920.6	GLV #1 L-80	4.335	2.441
6148.55		GLV #7 7	2.875 2.441	227.95
		On/Off Tool	4.500	2.313



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/30/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
PROPERTY # :	071410	WI % :	79.9	NRI % :	59.558
AFE# :	105021	AFE TOTAL :	\$7,033,424	DHC :	\$1,345,124 CWC : \$5,688,300
REPORTED BY:	DEE WIMBERLY	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

3	1.45	6150		Packer	4.625	2.380	7.2
6157.2				13	2.875	2.441	423.4
6580.6			GLV #6	Seat Nipple		2.875	2.280
1.1	6581.7			Mule Shoe		2.875	2.441
0.45	6582.15			EOT			0
6582.15							0
6582.15							

GLV #5

GLV #4

GLV #3

GLV #2

Nipple 6150.00

Tubing @ 6582.15

GLV #1

Packer Depth @ 6157 Profile

Seat Nipple @ 6581 End of

Packer Company Lufkin/ILS

Packer Model AS1X Arrowset

## Additional Notes:

Number of Joints used 200  
On/Off Tool

String Weight: 44000 Weight on Pkr: 16pts

Stinger W/2.313 X Profile



# WELL CHRONOLOGY REPORT

REPORT GENERATED ON: 8/30/2012

WELL NAME : UNIVERSITY 40B #1603H

<b>WELL NAME :</b>	<b>UNIVERSITY 40B #1603H</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 :	17,010 / 6,435
COUNTY,ST. :	CROCKETT , TX	API # :	42-105-41390	TAX/CREDIT :	
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REPORTED BY:	DEE WIMBERLY	LAST CSG :	5.500	SHOE MD/TVD:	16,890 /
RIG CONTR. :	CACTUS	RIG NAME :	102	WATER DEPTH:	
LOCATION :	350 FNL 450 FEL X: 1745515 Y: 512628 ULS SVY	KB ELEV :	0	GL ELEV:	0
SPUD DATE :	7/21/2012	RIG RELEASE:	7/29/2012	1ST SALES :	

2-7/8x5.5"AS1X Big Bore

2-7/8 Tailpipe

2-7/8x2.28 Seat Nipple

2-7/8 Mule Shoe

Prepared By: Chad Williams Cell: 325-226-4519

International Lift Systems

RD. TONGS,FLOOR,ND. STACK ,NU TREE CLOSED WELL IN,RIG DOWN,TURNED OVER TO  
 PRODUCTION,,FUEL-205,NO ACCIDENTS OR INCIDENTS REPORTED, LAST FLOWBACK REPORT BELOW  
 Drill out complete, aiting flow back

Well Name : UNIVERSITY 40B #1603H

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 : 0 bbls

Water in last 24 Hours : 3360 bbls

Gas last hour : 0 mcf

Avg Gas in last 24 hours : mcf

Load Water : 176328 bbls

Load Water Recovered : 10320.00 bbls

% Load Water Recovered : 5.85 %

Chlorides : 53333 ppm

Proppant : gal/hr

H2S : 0 ppm

CO2 : mole %

Oil Gravity :

Hondo

432-661-6613 NO ACTIVITY