 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4412EH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: MIKE COKER / JD DAVIS Engineer/Manager: BRENT BAKER / PERRY EVANS		Report Number: 002 Report Date: 02/12/2013 Spud Date: 02/12/2013 Release Date: DFS: 0.00 DOL: 2 AFE Days: 11 Last BOP T.: 02/11/2013 Safety & Environmental Incident: No																																													
Depth md/tvd (ft): 2,168.00 / 2,168.00 Progress (ft): 1,300.00 ROP: 1,300.0 / 5.50 = 236.36 Proposed TD (ft): 15,100.00 Next Csg Point (ft): 15,049.03		Rig: PATTERSON206 Rig Phone: 713-997-1205 RKB (ft): 2,728.01 Ground Level (ft): 2,703.0 POB: 34 Total Man Hours: 0.00		<table border="1"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #:</td> <td>160036/47922</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>80,542</td> <td>0</td> <td>0</td> <td>80,542</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>328,891</td> <td>60,000</td> <td>0</td> <td>388,891</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>			Drig	Comp	Fac	Total	AFE #:	160036/47922				Day Cost(\$):	80,542	0	0	80,542	Cum Cost(\$)	328,891	60,000	0	388,891	AFE(\$):	0	0	0	0																			
	Drig	Comp	Fac	Total																																													
AFE #:	160036/47922																																																
Day Cost(\$):	80,542	0	0	80,542																																													
Cum Cost(\$)	328,891	60,000	0	388,891																																													
AFE(\$):	0	0	0	0																																													
Current Activity: DRILLING @ 2,168' 24 Hr Summary: FINISH N.U. AND TEST B.O.P.'S W/ 250 LOW AND 5,000 LB. HIGH TEST. TEST CSG. W/ 1500PSI/30MINS. M.U. RYAN DIRECTIONAL TOOLS AND TEST. P.U. D.P. TO TAG CEMENT AT 845'. DRILL CEMENT AND FLOAT EQUIP. DRILL 889' - 2168' 24 Hr Forecast: DRILL TO K.O.P. @ 6233'. TRIP FOR CURVE ASSY.																																																	
MUD PROPERTIES		MUD MATERIALS		BIT RECORD																																													
Fluids Co.: CORY DRIVER Time: 6:01 Oil Cnt: Location: H2O Cnt: Pit Temp: Sand Cnt: Depth (ft): 868.00 MBT: Density (ppg): 10.00 pH: FV (s/qt): 28 Pm: PV: P/Mf: YP: Chloride: Gels: // Calcium: WL: LCM: HTHP: ES (mV): Cake: LGS: Solids: Ex Lime (ppb): ECD: OWR:		D M Cost(\$): \$1,375.00 C M Cost(\$): \$1,375.00 Mud Additives TAX 1 TRANSPORTATION 1 HOT SHOT 0		Bit# 1 S/N 18125 Size (in) 8.75 Mfg ULTERRA IADC Type Model # 519M Jets 7X20 Depth In (ft) 889 Depth Out (ft) Bit Rotations 30/65 On Btm Hrs Cum 5.50 Footage Cum (ft) 1,279 ROP Cum 232.5 WOB mm/mx (kip) 6 / 20 RPM rot/bit 30 / 65 Bit HP 0.84 HSI 0.39 PSI Drop (psi) 68.58 Jet Vel (ft/s) 87.55 Imp Force 265.83																																													
MUD LOGGING		Trip Gas (units): @ BG Gas (units): 62 Conn Gas (units) 39 @ 39 Form: Pore Pressure: (%) Lag Time: (min)		Surf to Surf: Lag Strokes: Lag Time: (min)																																													
				Grading I O D L B G O R Bit # Bit # 1																																													
BHA # 1				STRING LOADS																																													
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)																																												
1	ULTERRA #18125		8.750	1.00	1.00																																												
1	1.5 FBH 7/8 5.0STG.		6.750	26.28	27.28																																												
1		2.750	6.625	5.00	32.28																																												
1		2.750	6.500	3.78	36.06																																												
1		3.500	6.500	31.10	67.16																																												
1		2.750	6.875	31.02	98.18																																												
1		2.750	6.625	3.15	101.33																																												
9		2.875	6.500	272.04	373.37																																												
1		2.750	6.500	2.74	376.11																																												
				Total Length: 376.11																																													
				BHA PROPERTIES BHA Hrs: Jar Hrs: Cum String Hours: 0 Weight B Jars (kip):																																													
				MUD PUMPS <table border="1"> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> <tr> <td>Pump Type:</td> <td>DR</td> <td>DR</td> <td></td> </tr> <tr> <td>Str. Wt. Up:</td> <td>88</td> <td></td> <td></td> </tr> <tr> <td>Str. Wt. Down:</td> <td>78</td> <td></td> <td></td> </tr> <tr> <td>Str. Wt. Rot.:</td> <td>82</td> <td></td> <td></td> </tr> <tr> <td>Max Over Pull:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>2 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> </table>			#1	#2	#3	Pump Type:	DR	DR		Str. Wt. Up:	88			Str. Wt. Down:	78			Str. Wt. Rot.:	82			Max Over Pull:				SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00	
	#1	#2	#3																																														
Pump Type:	DR	DR																																															
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1 SPM:	0.00	0.00																																															
Pressure:	0.00	0.00																																															
2 SPM:	0.00	0.00																																															
Pressure:	0.00	0.00																																															
				T GPM (gpm): 293 SPP (psi): 1,700 AV (DC): 419 AV (DP): 279																																													
SURVEYS																																																	
MD (ft)		Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)																																												
				+E/-W (ft)	+N/-S (ft)																																												
		Dog Leg (°/100ft)																																															
OPERATION DETAILS																																																	
FROM	TO	HRS	OP CODE	PHASE	CODE																																												
06:00	07:00	1.00	P	DRLPRD	19																																												
ACTIVITY TEST DESCRIPTION FINISH INSTALLING BLIND RAMS AND TIGHTEN DOORS, 5" PIPE RAMS IN TOP, BLIND RAMS IN BOTTOM.																																																	
07:00	13:30	6.50	P	DRLPRD	30																																												
ACTIVITY TSTWCEQ DESCRIPTION TEST BOP'S, PIPE RAMS, BLIND RAMS, CHOKE MANIFOLD, CHOKE & KILL LINES, TIW VALVE, INSIDE BOP, & TOP DRIVE IBOP TO 5000/250, ANNULAR TO 3500/250, TEST CASING TO 1500 PSI FOR 30 MINUTES, ALL TESTS GOOD.																																																	
13:30	15:00	1.50	P	DRLPRD	17																																												
ACTIVITY CUTSLIP DESCRIPTION CUT AND SLIP DRILL LINE																																																	
15:00	15:30	0.50	P	DRLPRD	12																																												
ACTIVITY RIGSVC DESCRIPTION SERVICE RIG AND TOP DRIVE																																																	
15:30	16:00	0.50	P	DRLPRD	47																																												
ACTIVITY RROTHR DESCRIPTION ELECTRICIAN WORKING ON MAN RIDER IN DERRICK.																																																	
16:00	18:30	2.50	P	DRLPRD	13																																												
ACTIVITY TRIP DESCRIPTION PICK UP DIRECTIONAL TOOLS AND SURFACE TEST SAME. PICKING UP 6 1/2" D.C.'S.																																																	
18:30	20:30	2.00	N	DRLPRD	47																																												
ACTIVITY RROTHR DESCRIPTION REPAIR PIPE WRANGLER.																																																	
20:30	23:00	2.50	P	DRLPRD	14																																												
ACTIVITY PULDSTR DESCRIPTION FINISH PICK UP BHA AND 5" D.P. TO TAG CEMENT AT 845'																																																	
23:00	00:30	1.50	P	DRLPRD	72																																												
ACTIVITY DRLCMT DESCRIPTION DRILL CEMENT AND FLOAT EQUIP. 845' - 889'																																																	
00:30	06:00	5.50	P	DRLPRD	07																																												
ACTIVITY DRLVERT DESCRIPTION DRILLING 889' -2168'																																																	
Daily Operations Comments BEGIN WATER METER = 2161.11 6 3/4" NOV MUD MOTOR 1.5 DEGREE FBH, 7/8 LOBE, 5.0 STAGE, .29 RPG																																																	

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4412EH/OH

Country:

USA

State/OCSG:

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

MIKE COKER / JD DAVIS

Engineer/Manager:

BRENT BAKER / PERRY EVANS

Report Number:

003

Report Date:

02/13/2013

Spud Date:

02/12/2013

Release Date:

1.00

DFS: 1.00

DOL: 3

AFE Days: 11

Last BOP T.:

02/11/2013

Safety & Environmental Incident:

No

Depth md/tvd (ft):

5,350.01 / 5,349.66

Progress (ft):

3,182.01

ROP:

3,182.0 / 23.50 = 135.40

Proposed TD (ft):

15,100.00

Next Csg Point (ft):

15,049.03

Rig:

PATTERSON/206

Rig Phone:

713-997-1205

RKB (ft):

2,728.01

Ground Level (ft):

2,703.0

POB:

26

Total Man Hours:

0.00

AFE #:

160036/47922

Day Cost(\$):

41,389

Cum Cost(\$):

370,280

AFE(\$):

0

Drig

Comp

Fac

Total

Current Activity:

DRILLING @ 5,350'

24 Hr Summary:

DRILL TO 5,350'

24 Hr Forecast:

DRILL TO K.O.P. @ 6233'. TRIP FOR CURVE ASSY.

MUD PROPERTIES

Fluids Co.:

Fluids Eng:

Time:

Location:

Pit Temp:

Depth (ft):

Density (ppg):

FV (s/qt):

PV:

YP:

Gels (J):

WL:

HTHP:

Cake (32nd"):

Solids:

ECD:

6:01

CORY DRIVER

Oil Cnt:

H2O Cnt (%):

Sand Cnt:

MBT (lbm/bbl):

pH:

Pm (cc):

Pf (cc)/Mf (cc):

Chloride:

Calcium:

LCM:

ES (mV):

LGS (%):

Ex Lime (ppb):

OWR:

MUD MATERIALS

D M Cost(\$):

C M Cost(\$):

Mud Additives

Used

\$121.28

\$1,496.28

TAX

3

CAUSTIC SODA

BIT RECORD

Bit#

S/N

Size (in)

Mfg

IADC Type

Model #

Jets

Depth In (ft)

Depth Out (ft)

Bit Rotations

On Btm Hrs Cum

Footage Cum (ft)

ROP Cum

WOB min/mx (kip)

RPM rot/bit

Bit HP

HSI

PSI Drop (psi)

Jet Vel (ft/s)

Imp Force

1

18125

8.75

ULTERRA

519M

7X20

889

60/70

29.00

4,461

153.8

20 / 30

60 / 70

0.84

0.39

68.58

87.55

265.83

CASING

Size(in)

MD(ft)/TVD(ft)

FIT/LOT(ppg)

9.63

868.00 /

868.00

5.50

15,049.03 /

6,725.01

INVENTORY

Item

Inv

RIG DIESEL

5,336

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

240/240/240/240

2

270/270/270/270

MUD LOGGING

Trip Gas (units):

@

Conn Gas (units):

255 @ 482

Form:

BG Gas (units):

240

Pore Pressure:

(%)

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

BHA # 1

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

ULTERRA #18125

8.750

1.00

1.00

1

1.5 FBH 7/8 5.0STG.

6.750

26.28

27.28

1

2.750

6.625

5.00

32.28

1

2.750

6.500

3.78

36.06

1

3.500

6.500

31.10

67.16

1

2.750

6.875

31.02

98.18

1

2.750

6.625

3.15

101.33

9

2.875

6.500

272.04

373.37

1

2.750

6.500

2.74

376.11

Total Length:

376.11

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up:

Str. Wt. Down:

Str. Wt. Rot.:

Max Over Pull:

8,000

2,000

149

143

144

BHA PROPERTIES

BHA Hrs:

Jar Hrs:

Cum String Hours:

Weight B Jars (kip):

24

24

MUD PUMPS

#1

#2

#3

Pump

Type:

Liner ID:

SPM:

GPM:

SPR:

1 SPM:

Pressure:

2 SPM:

Pressure:

DR

DR

6.00

70.00

293.02

0.00

0.00

0.00

0.00

T GPM (gpm):

293

AV (DC):

419

SPP (psi):

2,100

AV (DP):

279

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

3,815

0.50

14.80

3,815

-1.57

-5.47

1.58

0.56

4,003

0.20

103.10

4,003

-2.29


-4.94

2.30

0.28

4,191

0.50

<div>  <div> Daily Drilling Report Onshore </div> </div>				Well Name/Wellbore No.: UNIVERSITY EAST 4412EH/OH Country: USA State/OCSS: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: MIKE COKER / JD DAVIS Engineer/Manager: BRENT BAKER / PERRY EVANS				Report Number: 004 Report Date: 02/14/2013 Spud Date: 02/12/2013 Release Date: DOL: 4 AFE Days: 11 Last BOP T.: 02/11/2013 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 5,913.01 / 5,912.60 Progress (ft): 563.00 ROP: 563.0 / 12.50 = 45.04 Proposed TD (ft): 15,100.00 Next Csg Point (ft): 15,049.03				Rig: PATTERSON/206 Rig Phone: 713-997-1205 RKB (ft): 2,728.01 Ground Level (ft): 2,703.0 POB: 25 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td>160036/47922</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>93,970</td> <td>0</td> <td>0</td> <td>93,970</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>464,250</td> <td>60,000</td> <td>0</td> <td>524,250</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160036/47922				Day Cost(\$):	93,970	0	0	93,970	Cum Cost(\$)	464,250	60,000	0	524,250	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																																
AFE #:	160036/47922																																			
Day Cost(\$):	93,970	0	0	93,970																																
Cum Cost(\$)	464,250	60,000	0	524,250																																
AFE(\$):	0	0	0	0																																
Current Activity: DRILLING @ 5,913'. 24 Hr Summary: DRILL TO 5,651' W/ BIT #1, TRIP FOR NEW BIT AND NOV 2.12 DEG. MOTOR, DRILLING 5,651' - 5,913' 24 Hr Forecast: DRILL TO K.O.P. @ 6239'. DRILL CURVE.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: Fluids Eng: CORY DRIVER Time: 6:01 Location: ICTION TANK Pit Temp: Depth (ft): 5,644.01 Density (ppg): 10.60 FV (s/qt): 29 PV (cp): 1 YP (lb/100ft²): 1 Gels (l): 1/1 WL (cc/30min): HTHP: Cake (32nd): Solids: ECD:		D M Cost(\$): \$3,459.89 C M Cost(\$): \$4,956.17 Mud Additives: CAUSTIC SODA TEX-XAN TAX SODA ASH		Bit# 1 S/N 12164964 Size (in) 8.75 Mfg ULTERRA IADC Type Model # 519M Jets 7X20 Depth In (ft) 889 Depth Out (ft) 5,651 Bit Rotations 30/70 On Btm Hrs Cum 9.00 Footage Cum (ft) 301 ROP Cum 125.3 WOB mm/mx (kip) 25 / 30 RPM rot/bit 30 / 70 Bit HP 0.00 HSI 0.00 PSI Drop (psi) 0.00 Jet Vel (ft/s) 0.00 Imp Force 0.00		Size(in) 9.63 MD(ft)/TVD(ft) 868.00 / 15,049.03 Fit LOT(ppg) 868.00 / 6,725.01																														
Oil Cnt (%): 0 H2O Cnt (%): 84 Sand Cnt: MBT (lbm/bbl): 0.0 pH: 9.0 Pm (cc): 0.1 Pf (cc)/Mf (cc): 0.1 / 0.3 Chloride (ppm): 169,000 Calcium: LCM: ES (mV): LGS (%): 6.36 Ex Lime (ppb): OWR:		Used 2 17 1 5		Model # 519M MMD55C 7X16 5,651 30/30 3.50 262 74.9 8 / 12 30 / 30 1.31 0.95 167.44 136.80 415.36		Inventory <table border="1"> <thead> <tr> <th>Item</th> <th>Inv</th> </tr> </thead> <tbody> <tr> <td>RIG DIESEL</td> <td>10,980</td> </tr> </tbody> </table>		Item	Inv	RIG DIESEL	10,980																									
Item	Inv																																			
RIG DIESEL	10,980																																			
MUD LOGGING		Trip Gas (units): 379 @ 1,327 Conn Gas (units): 478 @ 656 Form:		BG Gas (units): 107 Surf to Surf: Lag Strokes: Lag Time: (min)		Solids Control <table border="1"> <thead> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>240/240/240/240</td> <td></td> </tr> <tr> <td>2</td> <td>270/270/270/270</td> <td></td> </tr> </tbody> </table>		Skr	Deck 1 Screens	Deck 2 Screens	1	240/240/240/240		2	270/270/270/270																					
Skr	Deck 1 Screens	Deck 2 Screens																																		
1	240/240/240/240																																			
2	270/270/270/270																																			
BHA # 2				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	8,000																													
1	SEC. MMD55C		8.750	1.00	1.00	Off Btm Torque:	2,000																													
1			6.750	26.25	27.25	Str. Wt. Up:	150																													
1		2.750	6.625	5.00	32.25	Str. Wt. Down:	144																													
1	UBHO	2.750	6.500	3.78	36.03	Str. Wt. Rot.:	146																													
1		3.500	6.500	31.10	67.13	Max Over Pull:																														
1	FLEX. D.C.	2.250	6.500	31.08	98.21																															
				Total Length:		98.21																														
				BHA PROPERTIES		#1 #2 #3																														
				BHA Hrs: 9 Jar Hrs: Cum String Hours: 33 Weight B Jars (kip):		SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00																														
						T GPM (gpm): 586 AV (DC): 419																														
						SPP (psi): 2,100 AV (DP): 279																														
SURVEYS																																				
MD (ft)		Inclination (°)		Azimuth (°)		TVD (ft)																														
4,380		0.40		169.50		4,380																														
4,568		0.30		208.30		4,568																														
4,757		0.30		223.80		4,757																														
4,946		0.60		126.10		4,946																														
5,135		0.60		94.50		5,135																														
5,323		0.60		65.90		5,323																														
5,512		0.80		57.80		5,512																														
5,705		0.90		80.40		5,705																														
						V Section (ft)																														
						+E/-W (ft)																														
						+N/-S (ft)																														
						Dog Leg (°/100ft)																														
						0.10																														
						0.13																														
						0.04																														
						0.37																														
						0.17																														
						0.16																														
						0.12																														
						0.18																														
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG & TDS																													
06:30	15:30	9.00	P	DRLPRD	07	DRLVERT	DRILL FROM 5350' TO 5651'																													
15:30	20:30	5.00	P	DRLPRD	13	TRIP	TRIP OUT OF HOLE DUE TO SLOW ROP.																													
20:30	21:30	1.00	P	DRLPRD	14	PULDSTR	STAND BACK D.C.'S AND LAY DOWN 1.5 DEG. MOTOR																													
21:30	23:30	2.00	P	DRLPRD	14	PULDSTR	M.U. RYAN 2.12 DEG. DIRECTIONAL ASSY. AND SURFACE TEST SAME. M.U. NEW BIT #2.																													
23:30	02:30	3.00	P	DRLPRD	13	TRIP	TRIP IN HOLE (PICK UP 9 JTS. D.P.)																													
02:30	06:00	3.50	P	DRLPRD	07	DRLVERT	DRILL 5,651' - 5,913'																													
Daily Operations Comments																																				
NOV MOTOR = 2.12 DEG. FBH, 4/5 LOBE, 7.0 STG. (BIT TO BEND = 3.34, BIT TO SENSOR = 51', BIT TO GAMMA = 39', REVS./GAL = .50, MAX DIFF. = 1125#)																																				

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4412EH/OH

Report Number:

005

Country:

USA

State/OCSG:

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

MIKE COKER / JD DAVIS

Engineer/Manager:

BRENT BAKER / PERRY EVANS

Report Date:

02/15/2013

Spud Date:

02/12/2013

Release Date:

DOL:

5

AFE Days:

11

Last BOP T.:

02/11/2013

Safety & Environmental Incident:

No

Depth md/tvd (ft):

6,288.01 / 6,287.58

Progress (ft):

375.00

ROP:

375.0 / 12.50 = 30.00

Proposed TD (ft):

15,100.00

Next Csg Point (ft):

15,049.03

Rig:

PATTERSON/206

Rig Phone:

713-997-1205

RKB (ft):

2,728.01

Ground Level (ft):

2,703.0

POB:

25

Total Man Hours:

0.00

AFE #:

160036/47922

Day Cost(\$):

63,757

Cum Cost(\$):

528,008

AFE(\$):

0

Drig

Comp

Fac

Total

9.63

868.00 /

868.00

5.50

15,049.03 /

6,725.01

0

0

0

63,757

588,008

0

Current Activity:

DRILL CURVE @ 6,288'.

24 Hr Summary:

DRILL TO 6,101'. TRIP FOR NEW MOTOR AND BIT #3. DRILL TO K.O.P. @ 6,239' DRILL CURVE 6,239'- 6,288'.

24 Hr Forecast:

DRILL CURVE.

MUD PROPERTIES

Fluids Co.:

ADRIAN JONES

Time:

6:01

Location:

ICTION TANK

Pit Temp:

Depth (ft):

6,043.01

Density (ppg):

10.60

FV (s/qt):

29

PV (cp):

1

YP (lb/100ft²):

1

Gels (l):

1/1

WL (cc/30min):

HTHP:

Cake (32nd):

Solids:

ECD:

D M Cost(\$):

\$2,694.34

C M Cost(\$):

\$7,650.51

Mud Additives

Used

TAX

1

TEX-XAN

8

CAUSTIC SODA

4

BARITE

40

Bit#

2

S/N

12164964

Size (in)

8.75

Mfg

HALLIBURTON

IADC Type

Model #

MMD55C

Jets

7X16

Depth In (ft)

5,651

Depth Out (ft)

6,101

Bit Rotations

30/30

On Btm Hrs Cum

5.50

Footage Cum (ft)

188

ROP Cum

50.0

WOB mm/mx (kip)

4 / 10

RPM rot/bit

30 / 30

Bit HP

1.42

HSI

1.03

PSI Drop (psi)

179.89

Jet Vel (ft/s)

137.72

Imp Force

446.24

Grading

I O D L B G O R

Bit # 2

2 6 RG G X 1 WT PR

Bit # 3

2

PY 1627

3

SMITH

FHI 23

ODVPS

3X22

6,101

25/30

7.00

187

26.7

15 / 30

25 / 30

1.71

1.54

270.34

168.84

543.38

Size(in)

MD(ft)/TVD(ft)

Fit/LOT(ppg)

9.63

868.00 /

868.00

5.50

15,049.03 /

6,725.01

Inventory

Item

Inv

RIG DIESEL

9,493

Solids Control

Skr

Deck 1 Screens

Deck 2 Screens

1

240/240/240/240

2

270/270/270/270

MUD LOGGING

Trip Gas (units):

365 @ 1,564

Conn Gas (units):

787 @ 1,047

Form:

BG Gas (units):

202

Pore Pressure:

(%)

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

FLEX MONEL

2.750

6.500

31.08

31.08

1

MONEL COLLAR

3.500

6.500

31.10

62.18

1

UBHO SUB

2.750

6.500

3.78

65.96

1

FLOAT SUB

2.750

6.500

5.00

70.96

1

NOV .2 12 DEGREE

6.750

26.06

97.02

1

SMITH FHI 23 3x22'S

8.750

1.00

98.02

Total Length:

98.02

STRING LOADS

On Btm Torque:

4,500

Off Btm Torque:

2,500

Str. Wt. Up:

138

Str. Wt. Down:

135

Str. Wt. Rot.:

136

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

6

Jar Hrs:

Cum String Hours:

9

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump

DR

DR

Type:

Liner ID:

6.00

6.00

SPM:

70.00

70.00

GPM:

293.02

293.02

SPR:

1 SPM:

0.00

0.00

Pressure:

0.00

0.00

2 SPM:

0.00

0.00

Pressure:

0.00

0.00

T GPM (gpm):

586

SPP (psi): 1,800

AV (DC):

419

AV (DP): 279

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

4,946

0.60

126.10

4,946

2.87

-5.02

-2.86

0.37

5,135

0.60

94.50

5,135

3.52

-3.23

-3.52

0.17

5,323

0.60

65.90

5,323

3.19

-1.35

-3.19

0.16

5,512

0.80

57.80

5,512

2.08

0.66

-2.08

0.12

5,705

0.90

80.40

5,705

1.10

3.30

-1.11

0.18

5,893

0.60

75.50

5,893

0.60

5.71

-0.62

0.16

6,081

0.70

83.40

6,081

0.22

7.80

-0.24

0.07

6,175

0.70

78.42

6,175

0.04

8.94

-0.06

0.06

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

06:30

0.50

P

DRLPRD

07

DRLVERT

RIG SERVICE.

06:30

12:00

5.50

P

DRLPRD

07

DRLVERT

DRILL FROM 5913' TO 6101'. MOTOR STALLING WITH OVER 5 K WOB, 300 DIIF.

12:00

17:00

5.00

P

DRLPRD

13

TRIP

MOTOR LOCKED UP, TRIP OUT OF HOLE FOR NEW MOTOR.

17:00

19:00

2.00

P

DRLPRD

13

TRIP

LAY DOWN DIRECTIONAL BHA. M.U. NEW 2.12 MOTOR AND NEW BIT #3. SURFACE TEST SAME.

19:00

23:00

4.00

P

DRLPRD

13

TRIP

TRIP IN HOLE.

23:00

04:00

5.00

P

DRLPRD

07

DRLVERT

DRILL 6,101' TO K.O.P. AT 6,239'.

04:00

06:00

2.00

P

DRLPRD

09

DRLCRV

DRILL CURVE 6,239' - 6,288

Daily Operations Comments

NOV MOTOR = 2.12 DEG. FBH, 4/5 LOBE, 7.0 STG. (BIT TO BEND = 3.33, BIT TO SENSOR = 51', BIT TO GAMMA = 39', REVS./GAL = .50, MAX DIFF. = 1125#)

Printed: 2/15/2013 8:18:05AM

1

Daily Drilling
Report Onshore

Well Name/Wellbore No.:
UNIVERSITY EAST 4412EH/OH
Country: USA
State/OCSG: TEXAS
Field/Permit#: WOLFCAMP EAST
Supervisors: MIKE COKER / JD DAVIS
Engineer/Manager: BRENT BAKER / PERRY EVANS

Report Number: 006
Report Date: 02/16/2013
Spud Date: 02/12/2013
Release Date:
DFS: 4.00 DOL: 6 AFE Days: 11
Last BOP T.: 02/11/2013
Safety & Environmental Incident: No

Depth md/tvd (ft): 6,503.01 / 6,492.17
Progress (ft): 215.00
ROP: 215.0 / 7.00 = 30.71
Proposed TD (ft): 15,100.00
Next Csg Point (ft): 15,049.03

Rig: PATTERSON206
Rig Phone: 713-997-1205
RKB (ft): 2,728.01
Ground Level (ft): 2,703.0
POB: 26 Total Man Hours: 0.00

AFE #:
Day Cost(\$):
Cum Cost(\$):
AFE(\$):

Drig
Comp
Fac
Total

Current Activity: DRILL CURVE @ 6,503' (BIT PROJ. = 33.0 DEG. INC.@ 183 AZI. 7'LEFT, .4' ABOVE LINE)
24 Hr Summary: DRILL CURVE TO 6,382'- MOTOR FAILED- TRIP FOR NEW RYAN 2.12 MOTOR AND N.B. #4- DRILL CURVE TO 6,503'.
24 Hr Forecast: FINISH DRILL CURVE - TRIP FOR LATERAL ASSY..

MUD PROPERTIES

MUD MATERIALS

BIT RECORD

CASING

Fluids Co.:
Fluids Eng: ADRIAN JONES
Time: 6:01 Oil Cnt (%): 0
Location: ICTION TANK H2O Cnt (%): 85
Pit Temp: Sand Cnt:
Depth (ft): 6,282.01 MBT (lbm/bbl): 0.0
Density (ppg): 10.60 pH: 10.0
FV (s/qt): 30 Pm (cc): 0.1
PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.3
YP (lb/100ft²): 1 Chloride (ppm): 168,000
Gels (l): 1/1 Calcium:
WL (cc/30min): LCM:
HTHP: ES (mV):
Cake (32nd): LGS (%): 5.68
Solids: Ex Lime (ppb):
ECD: OWR: /

D M Cost(\$): \$1,691.53
C M Cost(\$): \$9,342.04
Mud Additives
TEX-XAN
SODA ASH
BARITE
TAX
CAUSTIC SODA
2
5
40
1
2
Surf to Surf:
Lag Strokes:
Lag Time: (min)

Bit#
S/N
Size (in)
Mfg
IADC Type
Model #
Jets
Depth In (ft)
Depth Out (ft)
Bit Rotations
On Btm Hrs Cum
Footage Cum (ft)
ROP Cum
WOB mm/mx (kip)
RPM rot/bit
Bit HP
HSI
PSI Drop (psi)
Jet Vel (ft/s)
Imp Force
Grading
Bit # 3
Bit # 4

3
PY 1627
8.75
SMITH
FHI 23
ODVPS
3X22
6,101
6,382
0/0
5.00
121
24.2
20 / 35
0 / 0
1.71
1.54
270.34
168.84
543.38
I O D L B G O R
1 3 BT H 3 I BT DMF

Size(in)
MD(ft)/TVD(ft)
FIT LOT(ppg)

INVENTORY

SOLIDS CONTROL

MUD LOGGING

BHA # 4

STRING LOADS

MUD PUMPS

SURVEYS

OPERATION DETAILS

Trip Gas (units): 152 @ 1,528
Conn Gas (units): 99 @ 1,401
Form:

BG Gas (units): 247
Pore Pressure: (%)

T GPM (gpm): 586
AV (DC): 419


SPP (psi): 2,100
AV (DP): 279

MD (ft)
Inclination(°)
Azimuth (°)
TVD (ft)
V Section (ft)
+E/-W (ft)
+N/-S (ft)
Dog Leg (°/100ft)

FROM
TO
HRS
OP CODE
PHASE
CODE
ACTIVITY
DESCRIPTION

Daily Operations Comments
RYAN MOTOR = 2.12 DEG. FBH, 6/7 LOBE, 5.0 STG. (BIT TO BEND = 3.81, BIT TO SENSOR = 51', BIT TO GAMMA = 39' , REVS/GAL = .29, MAX DIFF. = 900#)

[illegible]



Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4412EH/OH

Country:

USA

State/OCSG:

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

MIKE COKER

Engineer/Manager:

BRENT BAKER / PERRY EVANS

Report Number:

009

Report Date:

02/19/2013

Spud Date:

02/12/2013

Release Date:

DOL:

9

AFE Days:

11

DFS:

7.00

Last BOP T.:

02/11/2013

Safety & Environmental Incident:

No

Depth md/tvd (ft):

12,560.03 / 6,714.00

Progress (ft):

3,202.01

ROP:

3,202.0 / 23.50 = 136.26

Proposed TD (ft):

15,100.00

Next Csg Point (ft):

15,049.03

Rig:

PATTERSON/206

Rig Phone:

713-997-1205

RKB (ft):

2,728.01

Ground Level (ft):

2,703.0

POB:

25

Total Man Hours:

0.00

AFE #:

Drig

160036/47922

Comp

Fac

Total

Day Cost(\$):

43,859

0

0

43,859

Cum Cost(\$)

768,042

60,000

0

828,042

AFE(\$):

0

0

0

0

Current Activity:

DRILL LATERAL (BIT PROJ, 12,560'; 89.5 DEGREES, 182 AZI, 0.5' LOW, 2.3' LEFT) LATERAL 5514'

24 Hr Summary:

DRILL LATERAL

24 Hr Forecast:

DRILL LATERAL.

MUD PROPERTIES

Fluids Co.:

Fluids Eng:

ADRIAN JONES

Time:

6:01

Oil Cnt (%):

0

Location:

ICTION TANK

H2O Cnt (%):

86

Pit Temp:

Sand Cnt:

Depth (ft):

10,209.02

MBT (lbm/bbl):

0.0

Density (ppg):

10.40

pH:

10.0

FV (s/qt):

28

Pm (cc):

0.1

PV (cp):

1

Pf (cc)/Mf (cc):

0.1 / 0.5

YP (lb/100ft²):

1

Chloride (ppm):

166,000

Gels (l):

1/1

Calcium:

WL (cc/30min):

LCM:

HTHP:

ES (mV):

Cake (32nd"):

LGS (%):

4.58

Solids:

Ex Lime (ppb):

ECD:

OWR:

/

D M Cost(\$):

\$0.00

C M Cost(\$):

\$12,162.61

Mud Additives

Used

BIT RECORD

Bit#

5

S/N

18232

Size (in)

8.75

Mfg

ULTERRA

IADC Type

Model #

U519M

Jets

7X20

Depth In (ft)

6,848

Depth Out (ft)

Bit Rotations

60/60

On Btm Hrs Cum

47.00

Footage Cum (ft)

5,712

ROP Cum

121.5

WOB mm/mx (kip)

/

25 / 30

RPM rot/bit

/

60 / 60

Bit HP

0.87

HSI

0.41

PSI Drop (psi)

71.33

Jet Vel (ft/s)

87.55

Imp Force

276.46

Grading

I O D L B G O R

Bit #

Bit # 5

CASING

Size(in)

9.63

MD(ft)/TVD(ft)

868.00 / 15,049.03

FIT/LOT(ppg)

868.00 / 6,225.01

Item

RIG DIESEL

Inv

10,518

INVENTORY

Item

RIG DIESEL

Inv

10,518

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

240/240/240/240

2

270/270/270/270

MUD LOGGING

Trip Gas (units):

0 @ 0

BG Gas (units):

1,138

Surf to Surf:

Conn Gas (units)@ 3,597

Lag Strokes:

Form:

Pore Pressure:

(%)

Lag Time:

(min)

BHA # 5

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

ULTERRA U519M

8.750

1.00

1.00

1

1.83 FBH 7/8 5.0 STG.

6.750

26.19

27.19

1

FLOAT SUB

2.750

6.625

5.00

32.19

1

UBHO

2.750

6.500

3.78

35.97

1

N.M.D.C.

3.500

6.500

31.10

67.07

1

N.M.D.C.

2.750

6.875

31.02

98.09

48

5" D.P.

5.000

1,509.38

1,607.47

1

AGITATOR

6.875

12.96

1,620.43

1

SHOCK SUB

6.875

10.83

1,631.26

Total Length:

1,631.26

STRING LOADS

On Btm Torque:

18,000

Off Btm Torque:

9,000

Str. Wt. Up:

185

Str. Wt. Down:

85

Str. Wt. Rot.:

148

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

24

Jar Hrs:

Cum String Hours:

47

Weight B Jars (kip):

MUD PUMPS

Pump

#1

#2

#3

Type:

DR

DR

Liner ID:

6.00

6.00

SPM:

70.00

70.00

GPM:

293.02

293.02

SPR:

1 SPM:

0.00

0.00

Pressure:

0.00

0.00

2 SPM:

0.00

0.00

Pressure:

0.00

0.00

T GPM (gpm):

590

SPP (psi):

3,200

AV (DC):

419

AV (DP):

279

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

11,661


91.00


178.60

6,710

5,151.99

EP ENERGY		Daily Drilling Report Onshore		Well Name/Wellbo No.: UNIVERSITY EAST 4412EH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER Engineer/Manager: BRENT BAKER / PERRY EVANS		Report Number: 010 Report Date: 02/20/2013 Spud Date: 02/12/2013 Release Date: DFS: 8.00 DOL: 10 AFE Days: 11 Last BOP T.: 02/11/2013 Safety & Environmental Incident: No									
Depth md/tvd (ft): 15,054.03 / 6,698.46 Progress (ft): 2,494.00 ROP: 2,494.0 / 22.00 = 113.36 Proposed TD (ft): 15,100.00 Next Csg Point (ft): 15,049.03				Rig: PATTERSON/206 Rig Phone: 713-997-1205 RKB (ft): 2,728.01 Ground Level (ft): 2,703.0 POB: 23 Total Man Hours: 0.00		AFE #: Day Cost(\$): Cum Cost(\$): AFE(\$):		Drlg 160036/47922 45,083 813,125 0	Comp 0 60,000 0	Fac 0 0 0	Total 45,083 873,125 0				
Current Activity: CIRCULATE HOLE CLEAN TO RUN 5 1/2" CASING. (BIT PROJ @ 15054' 90.8 DEGREES, 182.7 AZI, 2.7 LOW, 1' LEFT) LATERAL 7957' 24 Hr Summary: DRILL LATERAL, CIRCULATE 24 Hr Forecast: CIRCULATE HOLE CLEAN, LD 5" DRILL PIPE, RIG UP AND RUN 5 1/2" CASING															
MUD PROPERTIES				MUD MATERIALS		BIT RECORD			CASING						
Fluids Co.: Fluids Eng: ADRIAN JONES Time: 6:01 Location: ICTION TANK Pit Temp: Depth (ft): 12,892.03 Density (ppg): 10.65 FV (s/qt): 28 PV (cp): 1 YP (lb/100ft²): 1 Gels (l): 1/1 WL (cc/30min): HTHP: Cake (32nd"): Solids: ECD:				D M Cost(\$): \$2,520.42 C M Cost(\$): \$14,683.03 Mud Additives Used CORROSION INHIBITOR TAX 10 TEX-XAN 12 SCALE INHIBITOR 1829 10 CAUSTIC SODA 1 SODA ASH 2		Bit# 5 S/N 18232 Size (in) 8.75 Mfg ULTERRA IADC Type U519M Model # Jets 7X20 Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mn/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force			Size(in) 9.63 5.50 MD(ft)/TVD(ft) 868.00 / 15,049.03 / FIT/LOT(ppg) 868.00 6,725.01						
Oil Cnt (%): 0 H2O Cnt (%): 84 Sand Cnt: MBT (lbm/bbl): 0.0 pH: 10.0 Pm (cc): 0.2 Pf (cc)/Mf (cc): 0.1 / 0.5 Chloride (ppm): 168,000 Calcium: LCM: ES (mV): LGS (%): 6.49 Ex Lime (ppb): OWR:						6,848 60/65 69.00 8,206 118.9 25 / 35 60 / 65 0.92 0.43 74.78 88.59 289.86			INVENTORY						
									Item RIG DIESEL Inv 7,807						
									SOLIDS CONTROL						
									Skr	Deck 1 Screens	Deck 2 Screens				
									1	240/240/240/240					
									2	270/270/270/270					
MUD LOGGING						Grading		I O D L B G O R							
Trip Gas (units): 0 @ 0 Conn Gas (units) 744 @ 3,607 Form:						Bit # 5									
BG Gas (units): 1,058 Surf to Surf: Lag Strokes: Lag Time: (min)															
BHA # 5						STRING LOADS			MUD PUMPS						
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 22,000 Off Btm Torque: 11,000 Str. Wt. Up: 201 Str. Wt. Down: 144 Str. Wt. Rot.: 148 Max Over Pull:			SPR:	#1	#2	#3			
1	ULTERRA U519M		8.750	1.00	1.00					Pump Type:	DR	DR			
1	1.83 FBH 7/8 5.0 STG.		6.750	26.19	27.19					Liner ID:	6.00	6.00			
1	FLOAT SUB	2.750	6.625	5.00	32.19					SPM:	70.00	70.00			
1	UBHO	2.750	6.500	3.78	35.97					GPM:	293.02	293.02			
1	N.M.D.C.	3.500	6.500	31.10	67.07				Pressure:	1 SPM:	0.				

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4412EH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: BUTCH RADCLIFF / HOWARD PHILLIP Engineer/Manager: BRENT BAKER / PERRY EVANS				Report Number: 011 Report Date: 02/21/2013 Spud Date: 02/12/2013 Release Date: DFS: 9.00 DOL: 11 AFE Days: 11 Last BOP T.: 02/11/2013 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 15,054.03 / 6,698.46 Progress (ft): 0.0 / = 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,100.00 Next Csg Point (ft): 15,049.03				Rig: PATTERSON206 Rig Phone: 713-997-1205 RKB (ft): 2,728.01 Ground Level (ft): 2,703.0 POB: 34 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #: 160036/47922</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 97,128</td> <td></td> <td>0</td> <td>0</td> <td>97,128</td> </tr> <tr> <td>Cum Cost(\$) 910,253</td> <td></td> <td>60,000</td> <td>0</td> <td>970,253</td> </tr> <tr> <td>AFE(\$): 0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #: 160036/47922					Day Cost(\$): 97,128		0	0	97,128	Cum Cost(\$) 910,253		60,000	0	970,253	AFE(\$): 0		0	0	0
	Drig	Comp	Fac	Total																																
AFE #: 160036/47922																																				
Day Cost(\$): 97,128		0	0	97,128																																
Cum Cost(\$) 910,253		60,000	0	970,253																																
AFE(\$): 0		0	0	0																																
Current Activity: RUNNING 5 1/2" PROD CSG AT 1000' 24 Hr Summary: CIRCULATE HOLE CLEAN, POOH LAYING DOWN DRILL PIPE & BHA, INSTALL CSG RAMS, RU CSG EQUIP, MU FLOAT EQUIP & TOE GUN JT AND RIH 5 1/2 " PROD CSG 24 Hr Forecast: FINISH RUN & CMT 5 1/2" PROD CASING, INSTALL WELL HEAD																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: ADRIAN JONES Time: 6:01 Oil Cnt (%): 0 Location: ICTION TANK H2O Cnt (%): 84 Pit Temp: Sand Cnt: Depth (ft): 15,054.03 MBT (lbm/bbl): 0.0 Density (ppg): 10.65 pH: 10.0 FV (s/qt): 28 Pm (cc): 0.2 PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.5 YP (lb/100ft³): 1 Chloride (ppm): 168,000 Gels (l): 1/1 Calcium: WL (cc/30min): LCM: HTHP: ES (mV): Cake (32nd): LGS (%): 6.49 Solids: Ex Lime (ppb): ECD: OWR:		D M Cost(\$): \$6,529.61 C M Cost(\$): \$21,212.64 Mud Additives SODA ASH 1 TAX 594 HOT SHOT 0 TRANSPORTATION 0 BARITE 64 TEX-XAN 25 CORROSION INHIBITOR 10 SCALE INHIBITOR 1829 10		Bit# 5 S/N 18232 Size (in) 8.75 Mfg ULTERRA IADC Type Model # U519M Jets 7X20 Depth In (ft) 6,848 Depth Out (ft) 15,054 Bit Rotations 70/70 On Btm Hrs Cum 69.00 Footage Cum (ft) 8,206 ROP Cum 118.9 WOB mm/mx (kip) 0 / 0 RPM rot/bit 70 / 70 Bit HP 0.00 HSI 0.00 PSI Drop (psi) 0.00 Jet Vel (ft/s) 0.00 Imp Force 0.00		Size(in) 9.63 MD(ft)/TVD(ft) 15,049.03 / 6,725.01 FT/LOT(ppg) 868.00 / 6,725.01																														
INVENTORY																																				
Item RIG DIESEL Inv 14,124																																				
SOLIDS CONTROL																																				
Skr 1 Deck 1 Screens 240/240/240/240 Deck 2 Screens 270/270/270/270																																				
MUD LOGGING																																				
Trip Gas (units): 0 @ 0 Conn Gas (units): 44 @ 3,607 Form:		BG Gas (units): 1,058 Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)																																
				Grading I O D L B G O R Bit # 5 Bit # 5 1 1 NO S X I NO TD																																
BHA # 5				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 11,000 Off Btm Torque: 11,000 Str. Wt. Up: 200 Str. Wt. Down: 140 Str. Wt. Rot.: 160 Max Over Pull:																														
1	ULTERRA U519M		8.750	1.00	1.00																															
1	1.83 FBH 7/8 5.0 STG.		6.750	26.19	27.19																															
1	FLOAT SUB	2.750	6.625	5.00	32.19																															
1	UBHO	2.750	6.500	3.78	35.97																															
1	N.M.D.C.	3.500	6.500	31.10	67.07																															
1	N.M.D.C.	2.750	6.875	31.02	98.09																															
48	5" D.P.		5.000	1,509.38	1,607.47																															
1	AGITATOR		6.875	12.96	1,620.43																															
1	SHOCK SUB		6.875	10.83	1,631.26																															
Total Length:					1,631.26																															
						BHA PROPERTIES BHA Hrs: 0 Jar Hrs: Cum String Hours: 69 Weight B Jars (kip):																														
						#1 #2 #3 Pump Type: Liner ID: SPM: GPM: SPR: 1 SPM: Pressure: 2 SPM: Pressure:																														
						T GPM (gpm): 490 SPP (psi): 3,620 AV (DC): 419 AV (DP): 279																														
SURVEYS																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
14,393	91.30	179.20	6,702	7,882.42	-21.49	-7,882.39	1.66																													
14,487	93.20	178.00	6,698	7,976.31	-19.20	-7,976.29	2.39																													
14,581	91.10	179.10	6,694	8,070.20	-16.82	-8,070.18	2.52																													
14,675	88.30	180.70	6,695	8,164.18	-16.66	-8,164.17	3.43																													
14,769	88.60	179.40	6,697	8,258.15	-16.74	-8,258.13	1.42																													
14,864	89.10	178.80	6,699	8,353.11	-15.25	-8,353.10	0.82																													
14,957	90.40	182.00	6,700	8,446.10	-15.90	-8,446.09	3.71																													
15,003	90.80	182.70	6,699	8,492.06	-17.79	-8,492.04	1.75																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	07:00	1.00	P	DRLPRD	15	CIRC	CIR AND COND HOLE FOR CASING.																													
07:00	08:00	1.00	N	DRLPRD	43	RRTOP	CHANGE OUT HYDRAULIC CYLINDERS ON TOP DRIVE.																													
08:00	08:30	0.50	P	DRLPRD	12	RIGSVC	SER RIG AND TDS.																													
08:30	10:00	1.50	P	DRLPRD	14	PULDSTR	PUMP SLUG AND LAY DOWN DP.																													
10:00	10:30	0.50	N	DRLPRD	47	RROTHR	REPLACE HYDRAULIC HOSE ON ST-80.																													
10:30	01:30	15.00	P	DRLPRD	14	PULDSTR	LAY DOWN DP. & DIRECTIONAL TOOLS																													
01:30	03:30	2.00	P	CASPRD1	23	RAMBLCK	INSTALL CSG RAMS																													
03:30	06:00	2.50	P	CASPRD1	24	RUNCAS	RU CSG EQUIP, MU FLOAT EQUIP & TOE GUN JT, RIH 5 1/2" PROD CSG AT 1000'.																													
Daily Operations Comments																																				

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4412EH/OH		Report Number: 013											
		Country: USA		Report Date: 02/23/2013											
		State/OCSG: TEXAS		Spud Date: 02/12/2013											
		Field/Permit#: WOLFCAMP EAST		Release Date:											
		Supervisors: BUTCH RADCLIFF / HOWARD PHILLIP		DFS: 11.00 DOL: 13 AFE Days: 11											
		Engineer/Manager: BRENT BAKER / PERRY EVANS		Last BOP T.: 02/11/2013											
				Safety & Environmental Incident: No											
Depth md/tvd (ft): 15,054.03 / 6,698.46		Rig: PATTERSON/206		Drig		Comp		Fac		Total					
Progress (ft): 0.00		Rig Phone: 713-997-1205		AFE #: 160036/47922											
ROP: 0.0 / = 0.00		RKB (ft): 2,728.01		Day Cost(\$): -16,785		0		0		-16,785					
Proposed TD (ft): 15,100.00		Ground Level (ft): 2,703.0		Cum Cost(\$) 1,364,688		60,000		0		1,424,688					
Next Csg Point (ft): 15,054.03		POB: 36 Total Man Hours: 0.00		AFE(\$): 0		0		0		0					
Current Activity: RELEASE RIG @ 14:00, (2:00 PM) FEBRUARY 22 2013.															
24 Hr Summary: SECURE BOP, RIG DOWN.															
24 Hr Forecast: RELEASE RIG @ 14:00, (2:00 PM) FEBRUARY 22 2013.															
MUD PROPERTIES				MUD MATERIALS				BIT RECORD							
Fluids Co.: ADRIAN JONES				D M Cost(\$): \$0.00 C M Cost(\$): \$21,246.04				Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB min/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force							
Time: 6:01 Oil Cnt (%): 0				Mud Additives Used											
Location: ICTION TANK H2O Cnt (%): 84															
Pit Temp: Sand Cnt:															
Depth (ft): 15,054.03 MBT (lbm/bbl): 0.0															
Density (ppg): 10.65 pH: 10.0															
FV (s/qt): 28 Pm (cc): 0.2															
PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.5															
YP (lb/100ft³): 1 Chloride (ppm): 168,000															
Gels (j): 1/1 Calcium:															
WL (cc/30min): LCM:															
HTHP: ES (mV):															
Cake (32nd"): 6.49 LGS (%):															
Solids: Ex Lime (ppb):															
ECD: OWR:															
MUD LOGGING															
Trip Gas (units): 0 @ 0				BG Gas (units): 0				Surf to Surf:							
Conn Gas (units): 0 @ 3,607								Lag Strokes:							
Form:				Pore Pressure: (%)				Lag Time: (min)							
								Grading I O D L B G O R							
								Bit #							
								Bit #							
								CASING							
								Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)			
								9.63		868.00 /		868.00			
								5.50		15,054.03 /		6,698.01			
										/					
								INVENTORY							
								Item		Inv					
								RIG DIESEL		0					
								SOLIDS CONTROL							
								Skr		Deck 1 Screens		Deck 2 Screens			
1		240/240/240/240													
2		270/270/270/270													
								MUD PUMPS							
								#1		#2		#3			
								Pump							
								Type:							
								Liner ID:							
								SPM:							
								GPM:							
								SPR:							
								1 SPM:							
								Pressure:							
2 SPM:															
Pressure:															
T GPM (gpm):		SPP (psi):													
AV (DC): 419		AV (DP): 279													
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
14,393		91.30		179.20		6,702		7,882.42		-21.49		-7,882.39		1.66	
14,487		93.20		178.00		6,698		7,976.31		-19.20		-7,976.29		2.39	
14,581		91.10		179.10		6,694		8,070.20		-16.82		-8,070.18		2.52	
14,675		88.30		180.70		6,695		8,164.18		-16.66		-8,164.17		3.43	
14,769		88.60		179.40		6,697		8,258.1							