 <b>Daily Drilling Report Onshore</b>		<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH <b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLFCAMP EAST <b>Supervisors:</b> JOE WILKERSON / DAVID WALDRUM <b>Engineer/Manager:</b> BRENT BAKER / PERRY EVANS		<b>Report Number:</b> 003 <b>Report Date:</b> 06/08/2013 <b>Spud Date:</b> <b>Release Date:</b> <b>DFS:</b> 0.00 <b>DOL:</b> 2 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> <b>Safety &amp; Environmental Incident:</b> No																																									
<b>Depth md/tvd (ft):</b> 1,006.00 / 1,006.00 <b>Progress (ft):</b> 0.00 <b>ROP:</b> 0.0 / = 0.00 <b>Proposed TD (ft):</b> 15,000.00 <b>Next Csg Point (ft):</b> 14,605.03		<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 33 <b>Total Man Hours:</b> 0.00		<table border="1"> <tr> <th>AFE #:</th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>160419/48810</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Day Cost(\$):</b></td> <td>22,082</td> <td>0</td> <td>0</td> <td>22,082</td> </tr> <tr> <td><b>Cum Cost(\$)</b></td> <td>343,609</td> <td>0</td> <td>0</td> <td>343,609</td> </tr> <tr> <td><b>AFE(\$):</b></td> <td>1,502,400</td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </table>		AFE #:	Drig	Comp	Fac	Total	160419/48810					<b>Day Cost(\$):</b>	22,082	0	0	22,082	<b>Cum Cost(\$)</b>	343,609	0	0	343,609	<b>AFE(\$):</b>	1,502,400	4,100,000	210,000	5,812,400															
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<b>Current Activity:</b> RIGGING UP. <b>24 Hr Summary:</b> 4 HRS WOW. SEVERE LIGHTNING. RU 40% <b>24 Hr Forecast:</b> CONTINUE RIGGING UP.																																													
<b>MUD PROPERTIES</b>		<b>MUD MATERIALS</b>		<b>BIT RECORD</b>																																									
<b>Fluids Co.:</b> <b>Fluids Eng:</b> <b>Time:</b> <b>Location:</b> <b>Pit Temp:</b> <b>Depth:</b> <b>Density:</b> <b>FV:</b> <b>PV:</b> <b>YP:</b> <b>Gels:</b> <b>WL:</b> <b>HTHP:</b> <b>Cake:</b> <b>Solids:</b> <b>ECD:</b>		<b>D M Cost(\$):</b> \$0.00 <b>C M Cost(\$):</b> \$0.00 <b>Mud Additives</b> <b>Used</b>		<b>Bit#</b> <b>S/N</b> <b>Size (in)</b> <b>Mfg</b> <b>IADC Type</b> <b>Model #</b> <b>Jets</b> <b>Depth In (ft)</b> <b>Depth Out (ft)</b> <b>Bit Rotations</b> <b>On Btm Hrs Cum</b> <b>Footage Cum (ft)</b> <b>ROP Cum</b> <b>WOB mn/mx (kip)</b> <b>RPM rot/bit</b> <b>Bit HP</b> <b>HSI</b> <b>PSI Drop (psi)</b> <b>Jet Vel (ft/s)</b> <b>Imp Force</b>																																									
<b>Oil Cnt:</b> <b>H2O Cnt:</b> <b>Sand Cnt:</b> <b>MBT:</b> <b>pH:</b> <b>Pm:</b> <b>Pf/Mf:</b> <b>Chloride:</b> <b>Calcium:</b> <b>LCM:</b> <b>ES (mV):</b> <b>LGS:</b> <b>Ex Lime (ppb):</b> <b>OWR:</b>				<b>Size(in)</b> 13.38 9.63 5.50 <b>MD(ft)/TVD(ft)</b> 65.00 / 9.63 / 14,605.03 / <b>Fit/LOT(ppg)</b> 65.00 1,006.00 6,534.01																																									
<b>INVENTORY</b>																																													
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960	0.69	244.91	960	-0.05	-0.30	-0.05	1.59																																						
<b>OPERATION DETAILS</b>																																													
<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>OP CODE</b>	<b>PHASE</b>	<b>CODE</b>	<b>ACTIVITY</b>	<b>DESCRIPTION</b>																																						
06:00	10:00	4.00	P	MIRU	66	WOW	PJSM. WOW. SEVERE LIGHTNING.																																						
10:00	06:00	20.00	P	MIRU	01	MIRU	FINISHED MI & RU 40%.																																						
<b>Daily Operations Comments</b>																																													

<b>Daily Drilling Report Onshore</b>		<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH		<b>Report Number:</b> 005 <b>Report Date:</b> 06/10/2013 <b>Spud Date:</b> <b>Release Date:</b> <b>DFS:</b> 0.00 <b>DOL:</b> 4 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> <b>Safety &amp; Environmental Incident:</b> No	
		<b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLFCAMP EAST <b>Supervisors:</b> JOE WILKERSON / DAVID WALDRUM <b>Engineer/Manager:</b> BRENT BAKER / PERRY EVANS			

<b>Depth md/tvd (ft):</b> 1,006.00 / 1,006.00 <b>Progress (ft):</b> 0.00 <b>ROP:</b> 0.0 / = 0.00 <b>Proposed TD (ft):</b> 15,000.00 <b>Next Csg Point (ft):</b> 14,605.03	<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 30 <b>Total Man Hours:</b> 0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td><b>AFE #:</b> 160419/48810</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Day Cost(\$):</b> 53,443</td> <td></td> <td>0</td> <td>0</td> <td>53,443</td> </tr> <tr> <td><b>Cum Cost(\$):</b> 417,220</td> <td></td> <td>0</td> <td>0</td> <td>417,220</td> </tr> <tr> <td><b>AFE(\$):</b> 1,502,400</td> <td></td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </table>		Drig	Comp	Fac	Total	<b>AFE #:</b> 160419/48810					<b>Day Cost(\$):</b> 53,443		0	0	53,443	<b>Cum Cost(\$):</b> 417,220		0	0	417,220	<b>AFE(\$):</b> 1,502,400		4,100,000	210,000	5,812,400
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**Current Activity:** START NU BOP.  
**24 Hr Summary:** FINISHED RIGGING UP & PERFORM RIG INSPECTIONS. RIG ON OPERATING RATE @ 06:00 HRS 6-10-13  
**24 Hr Forecast:** NU & TEST BOP. NU FLOW LINE. HOOK UP TURN BUCKLES. P/U DIRECTIONAL BHA. DRILL CMT& FE. SPUD WELL.

MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																													
<b>Fluids Co.:</b> <b>Fluids Eng:</b> <b>Time:</b> <b>Location:</b> <b>Pit Temp:</b> <b>Depth:</b> <b>Density:</b> <b>FV:</b> <b>PV:</b> <b>YP:</b> <b>Gels:</b> <b>WL:</b> <b>HTHP:</b> <b>Cake:</b> <b>Solids:</b> <b>ECD:</b>		<b>D M Cost(\$):</b> \$5,440.00 <b>C M Cost(\$):</b> \$5,440.00 <b>Mud Additives</b> BRINE WATER      2,720		<b>Bit#</b> <b>S/N</b> <b>Size (in)</b> <b>Mfg</b> <b>IADC Type</b> <b>Model #</b> <b>Jets</b> <b>Depth In (ft)</b> <b>Depth Out (ft)</b> <b>Bit Rotations</b> <b>On Btm Hrs Cum</b> <b>Footage Cum (ft)</b> <b>ROP Cum</b> <b>WOB mm/mx (kip)</b> <b>RPM rot/bit</b> <b>Bit HP</b> <b>HSI</b> <b>PSI Drop (psi)</b> <b>Jet Vel (ft/s)</b> <b>Imp Force</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>Fit/LOT(ppg)</th> </tr> <tr> <td>13.38</td> <td>65.00 /</td> <td>65.00</td> </tr> <tr> <td>9.63</td> <td>9.63 /</td> <td>1,006.00</td> </tr> <tr> <td>5.50</td> <td>14,605.03 /</td> <td>6,534.01</td> </tr> </table>			Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)	13.38	65.00 /	65.00	9.63	9.63 /	1,006.00	5.50	14,605.03 /	6,534.01															
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<b>Trip Gas (units):</b> @ <b>Conn Gas (units):</b> @ <b>Form:</b>		<b>BG Gas (units):</b> <b>Pore Pressure:</b> (%)		<b>Surf to Surf:</b> <b>Lag Strokes:</b> <b>Lag Time:</b> (min)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Grading</th> <th>I</th> <th>O</th> <th>D</th> <th>L</th> <th>B</th> <th>G</th> <th>O</th> <th>R</th> </tr> <tr> <td><b>Bit #</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Bit #</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Grading	I	O	D	L	B	G	O	R	<b>Bit #</b>									<b>Bit #</b>								
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MUD PUMPS			
	#1	#2	#3
<b>Pump Type:</b>			
<b>Liner ID:</b>			
<b>SPM:</b>			
<b>GPM:</b>			
<b>SPR:</b>			
<b>1 SPM:</b>			
<b>Pressure:</b>			
<b>2 SPM:</b>			
<b>Pressure:</b>			
<b>T GPM (gpm):</b>		<b>SPP (psi):</b>	
<b>AV (DC):</b>		<b>AV (DP):</b>	

SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
325	0.03	166.99	325	-0.26	0.39	-0.27	0.05
425	0.07	59.53	425	-0.26	0.44	-0.26	0.08
525	0.09	279.74	525	-0.21	0.42	-0.22	0.15
625	0.07	15.40	625	-0.14	0.36	-0.14	0.12
725	0.10	311.46	725	-0.02	0.31	-0.03	0.09
825	0.08	234.47	825	-0.01	0.19	-0.01	0.11
925	0.22	289.98	925	0.02	-0.05	0.02	0.19
960	0.69	244.91	960	-0.05	-0.30	-0.05	1.59

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:00	24.00	P	MIRU	01	MIRU	FINISHED RIGGING UP & PERFORM RIG INSPECTIONS. RIG ON OPERATING RATE @ 06:00 HRS 6-10-13

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4118AH/OH

Report Number:

006

Country:

USA

Report Date:

06/11/2013

State/OCSG:

TEXAS

Spud Date:

06/11/2013

Field/Permit#:

WOLF CAMP EAST

Release Date:

06/10/2013

Supervisors:

ROY DERDEN / DAVID WALDRUM

DOL:

5

Engineer/Manager:

BRENT BAKER / EVANS/GAYDOS

Last BOP T.:

06/10/2013

Safety & Environmental Incident:

No

AFE Days:

10

Depth md/tvd (ft):

1,525.00 / 1,524.02

Progress (ft):

519.00

ROP:

519.0 / 6.00 = 86.50

Proposed TD (ft):

14,605.00

Next Csg Point (ft):

14,605.03

Rig:

UDI/222

Rig Phone:

713-997-1245

RKB (ft):

2,705.51

Ground Level (ft):

2,680.0

POB:

20

Total Man Hours:

0.00

AFE #:

16041948810

Day Cost(\$):

62,640

Cum Cost(\$):

479,860

AFE(\$):

1,502,400

Drig:

16041948810

Comp:

0

Fac:

0

Total:

62,640

479,860

5,812,400

Current Activity:

DRILLING SIDE BUILD @ 1525' ( PTB =1525' TVD, 1524° INC. 5.19° AZI, 284' 4.4 ABOVE, 4.4' RIGHT )

24 Hr Summary:

NU & TEST BOPE. TEST CSG. FINISH NU FLOW LINE, KILL LINE, & BELL NIPPLE. P/U DIRECTIONAL BHA. TIH. DRILL CMT & FE. SPUD WELL @ 00:00 6-11-13. DRILLED SIDE BUILD 1,006'- 1525'.

24 Hr Forecast:

DIRECTIONAL DRILL SIDE BUILD.

MUD PROPERTIES

Fluids Co.:

EXLOG

Fluids Eng:

Time:

10:00

Location:

JECTION TANK

Pit Temp:

Depth (ft):

1,006.00

Density (ppg):

9.086.00

FV (s/qt):

28

PV (cp):

23

YP (lb/100ft²):

12

Gels (l):

1/2

WL:

HTHP:

Cake:

Solids:

ECD:

Oil Cnt:

H2O Cnt:

Sand Cnt:

MBT:

pH:

8.0

Pm (cc):

0.0

Pf (cc)/Mf (cc):

0.0 / 0.3

Chloride (ppm):

167,000

LCM:

ES (mV):

LGS (%):

0.07

Ex Lime (ppb):

OWR:

D M Cost(\$):

\$2,750.00

C M Cost(\$):

\$8,190.00

Mud Additives

Used

TRANSPORTATION

2

TAX

250

Bit#

1

S/N

19968

Size (in)

8.75

Mfg

ULTERRA

IADC Type

Model #

U516M

Jets

5X14

Depth In (ft)

1,006

Depth Out (ft)

Bit Rotations

20/62

On Btm Hrs Cum

6.00

Footage Cum (ft)

519

ROP Cum

86.5

WOB mm/mx (kip)

8 / 22

RPM rot/bit

20 / 62

Bit HP

0.00

HSI

0.00

PSI Drop (psi)

0.00

Jet Vel (ft/s)

0.00

Imp Force

0.00

Grading

I O D L B G O R

Bit #

1

Size(in)

13.38

MD(ft)/TVD(ft)

65.00 / 9.63

FT/LOT(ppg)

65.00 / 1,006.00

14,605.03 / 6,534.01

INVENTORY

Item

Inv

DIESEL

7,371

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

MUD LOGGING

Trip Gas (units):

@

BG Gas (units):

@

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

Form:

Pore Pressure:

(%)

BHA # 1

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

ULTERRA U516M

8.750

1.00

1.00

1

NOV 1.5" 7/8 6.4 PDM MUD MOTO

1.750

6.750

29.60

30.60

1

UBHO SUB

2.812

6.312

3.42

34.02

1

NON MAG DRILL COLLAR

3.250

6.812

31.10

65.12

1

NON MAG DRILL COLLAR

2.875

6.312

30.59

95.71

1

X-OVER SUB

2.812

6.375

3.72

99.43

3

3) STEEL DRILL COLLARS

2.875

6.437

90.31

189.74

1

X-OVER

2.812

6.437

2.70

192.44

42

5 1/2" DRILL PIPE

4.276

5.333

1,332.56

1,525.00

Total Length:

1,525.00

STRING LOADS

On Btm Torque:

2,000

Off Btm Torque:

0

Str. Wt. Up:

80

Str. Wt. Down:

75

Str. Wt. Rot.:

78

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

6

Jar Hrs:

Cum String Hours:

6

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump Type:

Liner ID:

SPM:

GPM:

SPR:

1 SPM:

Pressure:

2 SPM:

Pressure:

T GPM (gpm):

523

SPP (psi):

1,950

AV (DC):

409

AV (DP):

272

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

825

0.08

234.47

825

-0.01

0.19

-0.01

0.11

925

0.22

289.98

925

0.02

-0.05

0.02

0.19

960

0.69

244.91

960

-0.05

-0.30

-0.05

1.59

1,086

0.13

258.05

1,086

-0.41

-1.13

-0.40

0.45

1,180

0.91

284.32

1,180

-0.26

-1.96

-0.24

0.85

1,274

3.52

283.53

1,274

0.56

-5.49

0.62

2.78

1,369

5.05

283.18

1,369

2.13

-12.39

2.26

1.61

1,464

5.19

283.97

1,463

4.04

-20.64

4.25

0.16

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

10:00

4.00

P

CASSURF

29

NDBOPE

PJSM. N.U. BOPE. FUNCTION TEST ALL COMPONENTS FROM BOTH STATIONS. REMOVE CASING RAMS & INSTALL 5" PIPE RAMS.

10:00

14:30

4.50

P

CASSURF

30

TSTWCEQ

PJSM. RU TESTERS. TEST BOPE 250 PSI LOW. 5,000 PSI HIGH. 5MIN EACH W/H20. TEST ANNULAR 250PSI LOW. 3,500 PSI HIGH.

14:30

15:30

1.00

P

CASSURF

31

TESTCAS

TEST CASING TO 1,500 PSI FOR 30 MIN.

15:30

18:30

3.00

P

CASSURF

29

NDBOPE

NU BELL NIPPLE AND FLOW LINE. INSTALL TURN BUCKLES. CENTER STACK. HOOK UP KILL LINE. CALIBRATE PASON DEPTH TRACKING AND HOOK LOAD. SET AND TEST CROWN O MATIC. INSTALL SHAKER SCREENS. RELOCATE BHA.

18:30

20:00

1.50

P

CASSURF

13

TRIP

P/U DIRECTIONAL BHA.

20:00

22:30

2.50

P

CASSURF

13

TRIP

M/U BIT. PICK UP 5" D.P. (TAG CEMENT @ 964').

22:30

00:00

1.50

P

CASSURF

32

DRLFLOAT

DRILL CEMENT AND FLOAT EQUIP.

00:00

02:30

2.50

P

DRLPRD

08

DRLDIR

SPUDDER WELL @ 00:00 6-11-13. DRILL SIDE BUILD 1006'-1181'.

02:30

03:00

0.50

N

DRLPRD

08

DRLDIR

DRILL (W/ # 1 PUMP @ MAX 80 SPM AS PER SIDEWINDER WHILE C/O LINER ON # 2) 1181'- 1237'.

03:00

06:00

3.00

P

DRLPRD


08


DRLDIR

DRILL SIDE BUILD 1237'- 1525'.

Daily Operations Comments

RULL CREWS. NO ACCIDENTS REPORTED. NOV 1.5" 7/8 6.4 PDM MUD MOTOR. BTG 38'- BTS 53'. BTB 6.02' .31 RPG. SLID 55', 1.12 HRS, @ 46'/HR

 <b>Daily Drilling Report Onshore</b>				<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH <b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLF CAMP EAST <b>Supervisors:</b> ROY DERDEN / DAVID WALDRUM <b>Engineer/Manager:</b> BRENT BAKER / EVANS/GAYDOS				<b>Report Number:</b> 007 <b>Report Date:</b> 06/12/2013 <b>Spud Date:</b> 06/11/2013 <b>Release Date:</b> <b>DFS:</b> 1.00 <b>DOL:</b> 6 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> 06/10/2013 <b>Safety &amp; Environmental Incident:</b> No																																							
<b>Depth md/tvd (ft):</b> 5,333.01 / 7,911.08 <b>Progress (ft):</b> 3,808.01 <b>ROP:</b> 3,808.0 / 23.50 = 162.04 <b>Proposed TD (ft):</b> 14,605.00 <b>Next Csg Point (ft):</b> 14,605.03				<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 20 <b>Total Man Hours:</b> 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>16041948810</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>65,920</td> <td>0</td> <td>0</td> <td>65,920</td> </tr> <tr> <td>Cum Cost(\$):</td> <td>545,780</td> <td>0</td> <td>0</td> <td>545,780</td> </tr> <tr> <td>AFE(\$):</td> <td>1,502,400</td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	16041948810				Day Cost(\$):	65,920	0	0	65,920	Cum Cost(\$):	545,780	0	0	545,780	AFE(\$):	1,502,400	4,100,000	210,000	5,812,400											
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AFE(\$):	1,502,400	4,100,000	210,000	5,812,400																																											
<b>Current Activity:</b> DRILLING SIDE BUILD. PTB @ 5333' MD, 5283' TVD, 9.5° INC, 280° AZ, 1' ABOVE & 71' LEFT OF TARGET LINE. <b>24 Hr Summary:</b> RIG & TD SERVICE. DIRECTIONAL DRILLED SIDE BUILD/ 1525' T/ 5333'. <b>24 Hr Forecast:</b> DIRECTIONAL DRILL SIDE BUILD. POOH. LD SIDE BUILD ASSM. PU CURVE ASSM. TIH. DRILL CURVE.																																															
<b>MUD PROPERTIES</b>		<b>MUD MATERIALS</b>		<b>BIT RECORD</b>		<b>CASING</b>																																									
<b>Fluids Co.:</b> NEWPARK DRILLING FLUIDS <b>Fluids Eng:</b> <b>Time:</b> 10:15 <b>Oil Cnt:</b> <b>Location:</b> JCTION TANK <b>H2O Cnt:</b> <b>Pit Temp:</b> <b>Sand Cnt:</b> <b>Depth (ft):</b> 5,333.01 <b>MBT:</b> <b>Density (ppg):</b> 10.30 <b>pH:</b> 10.0 <b>FV (s/qt):</b> 29 <b>Pm (cc):</b> 0.1 <b>PV (cp):</b> 1 <b>Pf (cc)/Mf (cc):</b> 0.1 / 0.2 <b>YP (lb/100ft²):</b> 1 <b>Chloride (ppm):</b> 175,000 <b>Gels (l):</b> 1/2 <b>Calcium (ppm):</b> 1,340.00 <b>WL:</b> <b>HTHP:</b> <b>ES (mV):</b> <b>Cake:</b> <b>LGS (%):</b> 1.82 <b>Solids:</b> <b>Ex Lime (ppb):</b> <b>ECD (ppg):</b> 10.5 <b>OWR:</b> /		<b>D M Cost(\$):</b> \$894.24 <b>C M Cost(\$):</b> \$9,084.24 <b>Mud Additives</b> SHRINK WRAPS 3 TAX 103 SALT BAG 2 CAUSTIC SODA 5		<b>Bit#</b> 1 <b>S/N</b> 19968 <b>Size (in)</b> 8.75 <b>Mfg</b> ULTERRA <b>IADC Type</b> <b>Model #</b> U516M <b>Jets</b> 5X14 <b>Depth In (ft)</b> 1,006 <b>Depth Out (ft)</b> / <b>Bit Rotations</b> / <b>On Btm Hrs Cum</b> 29.50 <b>Footage Cum (ft)</b> 4,327 <b>ROP Cum</b> 146.7 <b>WOB mm/mx (kip)</b> / <b>RPM rot/bit</b> / <b>Bit HP</b> 2.64 <b>HSI</b> 3.52 <b>PSI Drop (psi)</b> 604.45 <b>Jet Vel (ft/s)</b> 256.11 <b>Imp Force</b> 819.99		<table border="1"> <thead> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>Fit/LOT(ppg)</th> </tr> </thead> <tbody> <tr> <td>13.38</td> <td>65.00 /</td> <td>65.00</td> </tr> <tr> <td>9.63</td> <td>9.63 /</td> <td>1,006.00</td> </tr> <tr> <td>5.50</td> <td>14,605.03 /</td> <td>6,534.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)	13.38	65.00 /	65.00	9.63	9.63 /	1,006.00	5.50	14,605.03 /	6,534.01																												
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<b>INVENTORY</b>																																															
<b>Item</b> DIESEL						<b>Inv</b> 12,993																																									
<b>SOLIDS CONTROL</b>																																															
<b>Skr</b>		<b>Deck 1 Screens</b>		<b>Deck 2 Screens</b>																																											
<b>MUD LOGGING</b>																																															
<b>Trip Gas (units):</b> @ <b>BG Gas (units):</b> <b>Conn Gas (units):</b> @ <b>Form:</b>		<b>Surf to Surf:</b> <b>Lag Strokes:</b> <b>Lag Time:</b> (min)		<b>Grading</b> I O D L B G O R <b>Bit #</b> 1																																											
<b>BHA # 1</b>				<b>STRING LOADS</b>		<b>MUD PUMPS</b>																																									
<b>Qty</b>	<b>Item Description</b>	<b>ID (in)</b>	<b>OD (in)</b>	<b>Len (ft)</b>	<b>Cum (ft)</b>	<b>On Btm Torque:</b> 9,000 <b>Off Btm Torque:</b> 5,000 <b>Str. Wt. Up:</b> 135 <b>Str. Wt. Down:</b> 115 <b>Str. Wt. Rot.:</b> 125 <b>Max Over Pull:</b>																																									
1	ULTERRA U516M		8.750	1.00	1.00	<table border="1"> <thead> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> </thead> <tbody> <tr> <td>Pump Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner ID:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GPM:</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></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			#1	#2	#3	Pump Type:				Liner ID:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:			
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1	NOV 1.5" 7/8 6.4 PDM MUD MOTO	1.750	6.750	29.60	30.60																																										
1	UBHO SUB	2.812	6.312	3.42	34.02																																										
1	NON MAG DRILL COLLAR	3.250	6.812	31.10	65.12																																										
1	NON MAG DRILL COLLAR	2.875	6.312	30.59	95.71																																										
1	X-OVER SUB	2.812	6.375	3.72	99.43																																										
3	3) STEEL DRILL COLLARS	2.875	6.437	90.31	189.74																																										
1	X-OVER	2.812	6.437	2.70	192.44																																										
42	5" DRILL PIPE	4.276	5.333	5,140.57	5,333.01	<b>BHA PROPERTIES</b> <b>BHA Hrs:</b> 24 <b>Jar Hrs:</b> <b>Cum String Hours:</b> 30 <b>Weight B Jars (kip):</b>																																									
Total Length:					5,333.01																																										
<b>T GPM (gpm):</b> 600 <b>SPP (psi):</b> 2,800 <b>AV (DC):</b> 415 <b>AV (DP):</b> 275																																															
<b>SURVEYS</b>																																															
<b>MD (ft)</b>	<b>Inclination(°)</b>	<b>Azimuth (°)</b>	<b>TVD (ft)</b>	<b>V Section (ft)</b>	<b>+E/-W (ft)</b>	<b>+N/-S (ft)</b>	<b>Dog Leg (°/100ft)</b>																																								
825	0.08	234.47	3,406	0.07	0.02	0.07	0.11																																								
925	0.22	289.98	3,506	0.10	-0.22	0.10	0.19																																								
960	0.69	244.91	3,541	0.03	-0.47	0.03	1.59																																								
1,086	0.13	258.05	3,667	-0.33	-1.30	-0.32	0.45																																								
1,180	0.91	284.32	3,761	-0.18	-2.12	-0.16	0.85																																								
1,274	3.52	283.53	3,854	0.65	-5.65	0.70	2.78																																								
1,369	5.05	283.18	3,949	2.21	-12.56	2.34	1.61																																								
1,464	5.19	283.97	4,044	4.12	-20.80	4.33	0.16																																								
<b>OPERATION DETAILS</b>																																															
<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>OP CODE</b>	<b>PHASE</b>	<b>CODE</b>	<b>ACTIVITY</b>	<b>DESCRIPTION</b>																																								
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	RIG & TD SERVICE.																																								
06:30	06:00	23.50	P	DRLPRD	08	DRLDIR	DRILLED SIDE BUILD F/ 1525' T/ 5333'.																																								
<b>Daily Operations Comments</b>																																															
FULL CREWS. NO ACCIDENTS REPORTED.																																															

 <b>Daily Drilling Report Onshore</b>				<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH <b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLF CAMP EAST <b>Supervisors:</b> ROY DERDEN / LLOYD ROWELL <b>Engineer/Manager:</b> BRENT BAKER / EVANS/GAYDOS				<b>Report Number:</b> 008 <b>Report Date:</b> 06/13/2013 <b>Spud Date:</b> 06/11/2013 <b>Release Date:</b> <b>DFS:</b> 2.00 <b>DOL:</b> 7 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> 06/10/2013 <b>Safety &amp; Environmental Incident:</b> No																																															
<b>Depth md/tvd (ft):</b> 6,200.01 / 6,137.07 <b>Progress (ft):</b> 867.00 <b>ROP:</b> 867.0 / 13.00 = 66.69 <b>Proposed TD (ft):</b> 14,605.00 <b>Next Csg Point (ft):</b> 14,605.03				<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 30 <b>Total Man Hours:</b> 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>16041948810</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>72,277</td> <td>0</td> <td>0</td> <td>72,277</td> </tr> <tr> <td>Cum Cost(\$):</td> <td>618,057</td> <td>0</td> <td>0</td> <td>618,057</td> </tr> <tr> <td>AFE(\$):</td> <td>1,502,400</td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	16041948810				Day Cost(\$):	72,277	0	0	72,277	Cum Cost(\$):	618,057	0	0	618,057	AFE(\$):	1,502,400	4,100,000	210,000	5,812,400																			
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<b>Current Activity:</b> DRILLING CURVE. PROJECT T/ BIT @ 6200', 21" INC, 0° AZ, 6115' TVD, 4 FT LEFT & 82.3 FT BEHIND TARGET LINE. DLN 10.1°. MY 14.4° W/ 30 <b>24 Hr Summary:</b> DRILLED F/ 5333' T/ 5680'. S/R & TD. DRILLED F/ 5680' T/ 6100'. TRIP FOR CURVE ASSEMBLY. STARTED DRILLING CURVE. <b>24 Hr Forecast:</b> DRILL CURVE. TRIP FOR LATERAL ASSEMBLY. START DRILLING LATERAL.																																																							
<b>MUD PROPERTIES</b>		<b>MUD MATERIALS</b>		<b>BIT RECORD</b>		<b>CASING</b>																																																	
Fluids Co.: NEWPARK DRILLING FLUIDS Fluids Eng: JEFF STONER Time: 5:21 Oil Cnt: Location: JCTION TANK H2O Cnt: Pit Temp: Depth (ft): 6,200.01 Density (ppg): 10.25 pH: 10.0 FV (s/qt): 34 Pm (cc): 0.2 PV (cp): 2 Pf (cc)/Mf (cc): 0.1 / 0.3 YP (lbf/100ft²): 1 Chloride (ppm): 183,000 Gels (l): 1/2 Calcium (ppm): 1,280.00 WL: HTHP: Cake: Solids: ECD (ppg): 10.5		D M Cost(\$): \$6,362.08 C M Cost(\$): \$15,446.32 Mud Additives Used TEX-TAN 0 SALT BAG 5 FIBER SEAL 0 CAUSTIC SODA 19 SHRINK WRAPS 7 TRANSPORTATION 1 SODA ASH 1 OPTIZAN 7 TAX 0 BRINE WATER 500 BARITE 0 PALLETS 0		Bit# 1 S/N 19968 Size (in) 8.75 Mfg ULTERRA IADC Type SECURITY DBS Model # MMD55C Jets 5X14 2X16, 5X14 Depth In (ft) 1,006 Depth Out (ft) 6,100 Bit Rotations 60/60 0/0 On Btm Hrs Cum 11.50 Footage Cum (ft) 767 ROP Cum 124.2 WOB mm/mx (kip) 20 / 20 12 / 15 RPM rot/bit 60 / 60 0 / 0 Bit HP 2.67 0.82 HSI 3.55 0.72 PSI Drop (psi) 607.54 158.45 Jet Vel (ft/s) 257.39 131.45 Imp Force 824.19 327.26		Size(in) 13.38 MD(ft)/TVD(ft) 65.00 / 65.00 9.63 / 1,006.00 5.50 14,605.03 / 6,534.01																																																	
<b>MUD LOGGING</b>				<b>INVENTORY</b>																																																			
Trip Gas (units): @ BG Gas (units): 61 Conn Gas (units): @ Form: Pore Pressure: (%) Lag Strokes: (min) Lag Time: (min)				Item DIESEL Inv 11,328																																																			
<b>BHA # 2</b>				<b>STRING LOADS</b>		<b>SOLIDS CONTROL</b>																																																	
<table border="1"> <thead> <tr> <th>Qty</th> <th>Item Description</th> <th>ID (in)</th> <th>OD (in)</th> <th>Len (ft)</th> <th>Cum (ft)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>HALLIBURTON MMD55C</td> <td></td> <td>8.750</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>1</td> <td>NOV 2.38" 4/5 7.0 PDM MUD MOT</td> <td>1.750</td> <td>6.750</td> <td>25.92</td> <td>26.92</td> </tr> <tr> <td>1</td> <td>UBHO SUB</td> <td>2.812</td> <td>6.312</td> <td>3.42</td> <td>30.34</td> </tr> <tr> <td>1</td> <td>NON MAG DRILL COLLAR</td> <td>3.250</td> <td>6.812</td> <td>31.10</td> <td>61.44</td> </tr> <tr> <td>1</td> <td>NM FLEX COLLAR</td> <td>2.875</td> <td>6.312</td> <td>31.08</td> <td>92.52</td> </tr> <tr> <td>188</td> <td>5" DRILL PIPE</td> <td>4.276</td> <td>5.333</td> <td>6,107.49</td> <td>6,200.01</td> </tr> <tr> <td colspan="5">Total Length:</td> <td>6,200.01</td> </tr> </tbody> </table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	HALLIBURTON MMD55C		8.750	1.00	1.00	1	NOV 2.38" 4/5 7.0 PDM MUD MOT	1.750	6.750	25.92	26.92	1	UBHO SUB	2.812	6.312	3.42	30.34	1	NON MAG DRILL COLLAR	3.250	6.812	31.10	61.44	1	NM FLEX COLLAR	2.875	6.312	31.08	92.52	188	5" DRILL PIPE	4.276	5.333	6,107.49	6,200.01	Total Length:					6,200.01	On Btm Torque: 7,000 Off Btm Torque: 4,000 Str. Wt. Up: 170 Str. Wt. Down: 130 Str. Wt. Rot.: 142 Max Over Pull: Grading I O D L B G O R Bit # 1 1 2 BT G X I CT BHA Bit # 2		Skr Deck 1 Screens Deck 2 Screens	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)																																																		
1	HALLIBURTON MMD55C		8.750	1.00	1.00																																																		
1	NOV 2.38" 4/5 7.0 PDM MUD MOT	1.750	6.750	25.92	26.92																																																		
1	UBHO SUB	2.812	6.312	3.42	30.34																																																		
1	NON MAG DRILL COLLAR	3.250	6.812	31.10	61.44																																																		
1	NM FLEX COLLAR	2.875	6.312	31.08	92.52																																																		
188	5" DRILL PIPE	4.276	5.333	6,107.49	6,200.01																																																		
Total Length:					6,200.01																																																		
<b>BHA PROPERTIES</b>				<b>MUD PUMPS</b>																																																			
BHA Hrs: Jar Hrs: Cum String Hours: 30 Weight B Jars (kip):				#1 #2 #3 Pump Type: Liner ID: SPM: GPM: SPR: 1 SPM: Pressure: 2 SPM: Pressure:		T GPM (gpm): 603 AV (DC): 415 SPP (psi): 2,800 AV (DP): 275																																																	
<b>SURVEYS</b>																																																							
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)																																																	
5,250		9.19		278.79		5,195																																																	
5,344		9.27		282.30		5,288																																																	
5,439		9.23		289.51		5,381																																																	
5,534		8.35		292.94		5,475																																																	
5,628		7.25		300.23		5,568																																																	
5,722		6.86		305.51		5,662																																																	
5,817		6.20		313.86		5,756																																																	
5,912		5.85		322.29		5,851																																																	
V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																																																	
-77.19		-649.53		-70.62		1.54																																																	
-74.58		-664.35		-67.86		0.60																																																	
-70.55		-679.00		-63.68		1.22																																																	
-65.46		-692.54		-58.45		1.08																																																	
-59.93		-703.95		-52.80		1.57																																																	
-53.78		-713.64		-46.56		0.80																																																	
-47.01		-721.96		-39.71		1.22																																																	
-39.70		-728.62		-32.32		1.00																																																	
<b>OPERATION DETAILS</b>																																																							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																																
06:00	10:30	4.50	P	DRLPRD	08	DRLDIR	DRILLED F/ 5333' T/ 5680'.																																																
10:30	11:00	0.50	P	DRLPRD	12	RIGSVC	S/R & TD.																																																
11:00	18:00	7.00	P	DRLPRD	08	DRLDIR	DRILLED F/ 5680' T/ 6100'.																																																
18:00	18:30	0.50	P	DRLPRD	15	CIRC	C & C MUD.																																																
18:30	04:00	9.50	P	DRLPRD	13	TRIP	TRIP FOR CURVE ASSEMBLY.																																																
04:00	04:30	0.50	P	DRLPRD	16	WASHR	WASH TO BOTTOM F/ 5960' T/ 6100'. FOR SAFETY																																																
04:30	06:00	1.50	P	DRLPRD	09	DRLCRV	DRILLED F/ 6100' T/ 6200'.																																																
<b>Daily Operations Comments</b>																																																							
FULL CREWS. NO ACCIDENTS REPORTED. NOV 2.38" 4/5 7.0 PDM MUD MOTOR. BTG 33'- BTS 48'. BTB 4.37' .52 RPG,																																																							

EP ENERGY

Daily Drilling Report Onshore

Well Name/Wellbore No.: UNIVERSITY EAST 4118AH/OH

Country: USA

State/OCSG: TEXAS

Field/Permit#: WOLFCAMP EAST

Supervisors: ROY DERDEN / LLOYD ROWELL

Engineer/Manager: BRENT BAKER / EVANS/GAYDOS

Report Number: 009

Report Date: 06/14/2013

Spud Date: 06/11/2013

Release Date: DFS: 3.00

Last BOP T.: 06/10/2013

Safety & Environmental Incident: No

AFE Days: 10

Depth md/tvd (ft): 7,250.01 / 6,505.91

Progress (ft): 1,050.00

ROP: 1,050.0 / 12.50 = 84.00

Proposed TD (ft): 14,605.00

Next Csg Point (ft): 14,605.03

Rig: UDI/222

Rig Phone: 713-997-1245

RKB (ft): 2,705.51

Ground Level (ft): 2,680.0

POB: 21

Total Man Hours: 0.00

AFE #:

Day Cost(\$):

Cum Cost(\$):

AFE(\$):

Drlg

Comp

Fac

Total

160419/48810

60,820

678,877

1,502,400

0

0

0

4,100,000

210,000

5,812,400

Current Activity: DRILLING LATERAL @ 7250'. STARTED LATERAL 85' @ 6950'. TOTAL LATERAL DRILLED = 300 FT. PTB 1.4 FT BELOW & 1.4 FT RIGHT OF TARGET LINE.

24 Hr Summary: S/R & TD. DRILLED CURVE F/ 6200' T/ 6965'. C & C MUD. TRIPPED FOR LATERAL ASSEMBLY. WASHED T/ BOTTOM. DRILLED LATERAL F/ 6965' T/ 7250'.

24 Hr Forecast: DRILL LATERAL PER PLAN #1.

MUD PROPERTIES

Fluids Co.: NEWPAK DRILLING FLUIDS

Fluids Eng: JEFF STONER

Time: 6:00

Location: JCTION TANK

Pit Temp:

Depth (ft): 7,250.01

Density (ppg): 10.30

FV (s/qt): 33

PV (cp): 2

YP (lb/100ft²): 1

Gels (l): 1/2

WL:

HTHP:

Cake:

Solids:

ECD (ppg): 10.5

Oil Cnt:

H2O Cnt:

Sand Cnt:

MBT:

pH: 8.0

Pm (cc): 0.0

Pl (cc)/Mf (cc): 0.0 / 0.2

Chloride (ppm): 185,000

Calcium (ppm): 1,120.00

ES (mV):

LGS (%): 1.88

Ex Lime (ppb):

OWR:

MUD MATERIALS

D M Cost(\$): \$2,880.44

C M Cost(\$): \$18,326.76

Mud Additives

Used

BARITE

SHRINK WRAPS

SALT BAG

TAX

BARITE

BIT RECORD

Bit# 2

S/N 12223104

Size (in) 8.75

Mfg SECURITY DBS

IADC Type

Model # MMD55C

Jets 2X16, 5X14

Depth In (ft) 6,100

Depth Out (ft) 6,965

Bit Rotations 25/300

On Btm Hrs Cum 10.50

Footage Cum (ft) 765

ROP Cum 72.1

WOB mm/mx (kip) 12 / 15

RPM rot/bit 25 / 300

Bit HP 1.74

HSI 1.52

PSI Drop (psi) 260.78

Jet Vel (ft/s) 168.22

Imp Force 538.60

Grading

Bit # 2

Bit # 3

CASING

Size(in) 13.38

MD(ft)/TVD(ft) 65.00 / 65.00

FIT/LOT(pp) 65.00

9.63

5.50

14,605.03 / 6,534.01

INVENTORY

Item

Inv

DIESEL

9,869

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

MUD LOGGING

Trip Gas (units): 313 @ 313

Conn Gas (units)/50 @ 1,046

Form:

BG Gas (units): 462

Surf to Surf:

Lag Strokes:

Lag Time: (min)

Pore Pressure: (%)

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

ULTERRA U519M PDC BIT

1.000

8.750

1.00

1.00

1

6 3/4" 1.83" 7/8 5.0 .31 RPG FBH M

2.000

6.000

26.37

27.37

1

UBHO SUB

3.000

6.000

3.42

30.79

1

NMDC

2.000

6.000

31.10

61.89

1

NM FLEX DC

2.000

6.000

30.59

92.48

90

5" DP

4.000

5.000

2,838.07

2,930.55

1

DRILLING AGITATOR

2.000

6.000

12.97

2,943.52

1

SHOCK SUB

2.000

6.000

10.84

2,954.36

5"

DP

4.000

5.000

4,295.66

7,250.01

Total Length:

7,250.01

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up: 155

Str. Wt. Down: 100

Str. Wt. Rot.: 140

Max Over Pull:

BHA PROPERTIES

BHA Hrs: 11

Jar Hrs:

Cum String Hours: 11

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump Type:

Liner ID:

SPM:

GPM:

SPR:

1 SPM:

Pressure:

2 SPM:

Pressure:

T GPM (gpm): 600

SPP (psi): 2,450

AV (DC): 400

AV (DP): 250

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

6,792

75.43

356.39

6,470

465.54

-717.81

472.83

7.06

6,824

76.70

356.57

6,478

496.52

-719.71

503.83

4.07

6,855

77.58

357.54

6,485

526.68

-721.27

534.01

4.17

6,886

80.13

358.94

6,491

557.07

-722.20

564.41

9.34

6,917

83.21

0.17

6,495

587.73

-722.44

595.08

10.68

6,972

86.33

0.88

6,500

642.50

-721.93

649.84

5.82

7,066

88.75

359.56

6,504

736.40

-721.57

743.74

2.93

7,160

89.75

358.59

6,506

830.36

-723.09

837.72

1.48

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

06:30

0.50

P

DRLPRD

12

RIGSCV

RIG & TOP DRIVE SERVICE.

06:30

17:00

10.50

P

DRLPRD

09

DRLCRV

DRILLED CURVE F/ 6200' T/ 6965'. PROJ T/ BIT 86" IN, .17 AZ, 4.5 FT ABOVE & 4 FT RIGHT OF TARGET LINE.

17:00

18:00

1.00

P

DRLPRD

15

CIRC

CIRC CLEAN. RECOVERED SMALL AMT RUBBLE SIZED SHALE. MIXED & PUMPED SLUG.

18:00

03:00

9.00

P

DRLPRD

13

TRIP

TRIPPED FOR LATERAL ASSEMBLY.

03:00

04:00

1.00

P

DRLPRD


16

WASHR

SET DN IN CURVE @ 6455'. WASH TO


EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4118AH/OH				Report Number: 010											
				Country: USA				Report Date: 06/15/2013											
				State/OCSS: TEXAS				Spud Date: 06/11/2013											
				Field/Permit#: WOLFCAMP EAST				Release Date:											
				Supervisors: ROY DERDEN / LLOYD ROWELL				DFS: 4.00 DOL: 9 AFE Days: 10											
				Engineer/Manager: BRENT BAKER / EVANS/GAYDOS				Last BOP T.: 06/10/2013											
								Safety & Environmental Incident: No											
Depth md/tvd (ft): 10,424.02 / 6,509.30				Rig: UDI/222				Drig				Comp		Fac		Total			
Progress (ft): 3,174.01				Rig Phone: 713-997-1245				AFE #:				16041948810							
ROP: 3,174.0 / 23.50 = 135.06				RKB (ft): 2,705.51				Day Cost(\$):				66,019		0		66,019			
Proposed TD (ft): 14,605.00				Ground Level (ft): 2,680.0				Cum Cost(\$):				744,897		0		744,897			
Next Csg Point (ft): 14,605.03				POB: 22 Total Man Hours: 0.00				AFE(\$):				1,502,400		4,100,000		5,812,400			
Current Activity: DRILLING LATERAL @ 10424'. TOTAL LATERAL DRILLED = 3474 FT. PTB 2.2 FT ABOVE & 7.4 FT RIGHT OF TARGET LINE.																			
24 Hr Summary: RIG SERVICE. DRILLED LATERAL F/ 7250' T/ 10424'.																			
24 Hr Forecast: DRILL LATERAL PER PLAN #1.																			
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING							
Fluids Co.: NEWPARK DRILLING FLUIDS				D M Cost(\$): \$2,854.34				Bit# 3				Size(in)							
Fluids Eng: JEFF STONER				C M Cost(\$): \$21,181.10				S/N 19285				MD(ft)/TVD(ft)							
Time: 6:00 Oil Cnt:				Mud Additives				Size (in) 8.75				FIT/LOT(ppg)							
Location: JCTION TANK				Used 2				Mfg ULTERRA				13.38 65.00 / 65.00							
Pit Temp:				SHRINK WRAPS 2				IADC Type				9.63 9.63 / 1,006.00							
Depth (ft): 7,842.02 MBT:				TAX 259				Model #				5.50 14,605.03 / 6,534.01							
Density (ppg): 10.40 pH: 10.0				CAUSTIC SODA 7				Jets 7X14											
FV (s/qt): 34 Pm (cc): 0.1				BARITE 2				Depth In (ft) 6,965											
PV (cp): 2 Pf (cc)/Mf (cc): 0.1 / 0.2								Depth Out (ft) 60/187											
YP (lb/100ft²): 1 Chloride (ppm): 189,000								On Btm Hrs Cum 25.50											
Gels (l): 1/2 Calcium (ppm): 1,020.00								Footage Cum (ft) 3,459											
WL:								ROP Cum 135.6											
HTHP:								WOB mm/mx (kip) / 15 / 20											
Cake:								RPM rot/bit 60 / 187											
Solids:								Bit HP 1.94											
ECD (ppg): 10.6 OWR:								HSI 1.84											
								PSI Drop (psi) 314.51											
								Jet Vel (ft/s) 183.85											
								Imp Force 597.32											
MUD LOGGING																			
Trip Gas (units): @				BG Gas (units): 440				Surf to Surf:											
Conn Gas (units) 642 @ 991								Lag Strokes:											
Form:				Pore Pressure: (%)				Lag Time: (min)											
								Grading I O D L B G O R											
								Bit # 3											
BHA # 3						STRING LOADS						MUD PUMPS							
Qty	Item Description					ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 14,000						#1 #2 #3			
1	ULTERRA U519M PDC BIT						8.750	1.00	1.00	Off Btm Torque: 7,000						Pump			
1	6 3/4" 1.83" 7/8 5.0 .31 RPG FBH M					1.000	6.000	26.37	27.37	Str. Wt. Up: 180						Type:			
1	UBHO SUB					2.000	6.000	3.42	30.79	Str. Wt. Down: 120						Liner ID:			
1	NMDC					3.000	6.000	31.10	61.89	Str. Wt. Rot.: 150						SPM:			
1	NM FLEX DC					2.000	6.000	30.59	92.48	Max Over Pull:						GPM:			
90	5" DP					4.000	5.000	2,838.07	2,930.55							SPR:			
1	DRILLING AGITATOR					2.000	6.000	12.97	2,943.52							1 SPM:			
1	SHOCK SUB					2.000	6.000	10.84	2,954.36							Pressure:			
1	5" DP					4.000	5.000	7,469.67	10,424.02							2 SPM:			
Total Length: 10,424.02																Pressure:			
BHA PROPERTIES																			
BHA Hrs:																			
Jar Hrs:																			
Cum String Hours: 2																			
Weight B Jars (kip):																			
T GPM (gpm): 603 SPP (psi): 3,500																			
AV (DC): 425 AV (DP): 275																			
SURVEYS																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
9,621		88.18		2.90		6,514		3,289.87		-707.84		3,297.21		2.59					
9,716		90.86		2.02		6,515		3,384.81		-703.77		3,392.10		2.97					
9,811		89.19		0.00		6,515		3,479.80		-702.09		3,487.08		2.76					
9,905		90.33		2.37		6,515		3,573.78		-700.15		3,581.05		2.80					
9,999		88.35		1.14		6,516		3,667.75		-697.27		3,675.00		2.48					
10,094		90.99		5.27		6,517		3,762.62		-691.96		3,769.82		5.16					
10,188		92.40		0.97		6,514		3,856.46		-686.84		3,863.61		4.81					
10,282		90.86		358.50		6,511		3,950.40		-687.28		3,957.56		3.10					
OPERATION DETAILS																			
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION												
06:00	17:30	11.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 7250' T/ 8700'.												
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	RIG & TD SERVICE.												
18:00	06:00	12.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 8700' T/ 10424'.												
Daily Operations Comments																			
DAY CREW (1) HAND SHORT. NO ACCIDENTS REPORTED. ROTATED 2724 FT / 18.5 HRS / 147 FPH. SLID 450 FT / 5 HRS / 90 FPH.																			



 <b>Daily Drilling Report Onshore</b>				<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH <b>Country:</b> USA <b>State/OCGS:</b> TEXAS <b>Field/Permit#:</b> WOLFCAMP EAST <b>Supervisors:</b> ROY DERDEN / LLOYD ROWELL <b>Engineer/Manager:</b> BRENT BAKER / EVANS/GAYDOS				<b>Report Number:</b> 011 <b>Report Date:</b> 06/16/2013 <b>Spud Date:</b> 06/11/2013 <b>Release Date:</b> <b>DFS:</b> 5.00 <b>DOL:</b> 10 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> 06/10/2013 <b>Safety &amp; Environmental Incident:</b> No																												
<b>Depth md/tvd (ft):</b> 13,466.03 / 6,518.62 <b>Progress (ft):</b> 3,042.01 <b>ROP:</b> 3,042.0 / 23.50 = 129.45 <b>Proposed TD (ft):</b> 14,605.00 <b>Next Csg Point (ft):</b> 14,605.03				<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 25 <b>Total Man Hours:</b> 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>16041948810</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>50,113</td> <td>0</td> <td>0</td> <td>50,113</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>795,009</td> <td>0</td> <td>0</td> <td>795,009</td> </tr> <tr> <td>AFE(\$):</td> <td>1,502,400</td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	16041948810				Day Cost(\$):	50,113	0	0	50,113	Cum Cost(\$)	795,009	0	0	795,009	AFE(\$):	1,502,400	4,100,000	210,000	5,812,400
	Drig	Comp	Fac	Total																																
AFE #:	16041948810																																			
Day Cost(\$):	50,113	0	0	50,113																																
Cum Cost(\$)	795,009	0	0	795,009																																
AFE(\$):	1,502,400	4,100,000	210,000	5,812,400																																
<b>Current Activity:</b> DRILLING LATERAL @ 13466'. TOTAL LATERAL DRILLED = 6516 FT. PTB 2.2 FT ABOVE & 2.2 FT LEFT OF TARGET LINE. <b>24 Hr Summary:</b> DRILLED LATERAL F/ 10424' T/ 11848'. RIG SERVICE. DRILLED LATERAL F/ 11848' T/ 13466'. <b>24 Hr Forecast:</b> DRILL LATERAL PER PLAN #1.																																				
<b>MUD PROPERTIES</b>		<b>MUD MATERIALS</b>		<b>BIT RECORD</b>		<b>CASING</b>																														
<b>Fluids Co.:</b> NEWPARK DRILLING FLUIDS <b>Fluids Eng:</b> JEFF STONER <b>Time:</b> 8:45 Oil Cnt: <b>Location:</b> JCTION TANK <b>Pit Temp:</b> <b>Depth (ft):</b> 13,466.03 <b>Density (ppg):</b> 10.50 <b>FV (s/qt):</b> 33 <b>PV (cp):</b> 2 <b>YP (lb/100ft²):</b> 1 <b>Gels (l):</b> 1/2 <b>WL:</b> <b>HTHP:</b> <b>Cake:</b> <b>Solids:</b> <b>ECD (ppg):</b> 10.7		<b>D M Cost(\$):</b> \$4,597.65 <b>C M Cost(\$):</b> \$25,778.75 <b>Mud Additives</b> SHRINK WRAPS BRINE WATER TAX SALT BAG CAUSTIC SODA <b>Used</b> 5 1,000 236 5 8		<b>Bit#</b> 3 <b>S/N</b> 19285 <b>Size (in)</b> 8.75 <b>Mfg</b> ULTERRA <b>IADC Type</b> <b>Model #</b> U519M <b>Jets</b> 7X14 <b>Depth In (ft)</b> 6,965 <b>Depth Out (ft)</b> <b>Bit Rotations</b> <b>On Btm Hrs Cum</b> 49.00 <b>Footage Cum (ft)</b> 6,501 <b>ROP Cum</b> 132.7 <b>WOB mm/mx (kip)</b> / <b>RPM rot/bit</b> 60 / 186 <b>Bit HP</b> 1.93 <b>HSI</b> 1.83 <b>PSI Drop (psi)</b> 314.38 <b>Jet Vel (ft/s)</b> 182.93 <b>Imp Force</b> 597.08		<b>Size(in)</b> 13.38 <b>MD(ft)/TVD(ft)</b> 65.00 / 65.00 <b>Fit/LOT(ppg)</b> 65.00 <b>9.63</b> 9.63 / 1,006.00 <b>5.50</b> 14,605.03 / 6,534.01																														
<b>MUD LOGGING</b>		<b>Trip Gas (units):</b> @ <b>Conn Gas (units)</b> 514 @ 789 <b>Form:</b>		<b>BG Gas (units):</b> 370 <b>Surf to Surf:</b> <b>Lag Strokes:</b> <b>Lag Time:</b> (min)		<b>Grading</b> I O D L B G O R <b>Bit #</b> 3																														
<b>BHA # 3</b>				<b>STRING LOADS</b>		<b>MUD PUMPS</b>																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	19,000																													
1	ULTERRA U519M PDC BIT		8.750	1.00	1.00	Off Btm Torque:	9,000																													
1	6 3/4" 1.83" 7/8 5.0 .31 RPG FBH M	1.000	6.000	26.37	27.37	Str. Wt. Up:	200,000																													
1	UBHO SUB	2.000	6.000	3.42	30.79	Str. Wt. Down:	70,000																													
1	NMDC	3.000	6.000	31.10	61.89	Str. Wt. Rot.:	142,000																													
1	NM FLEX DC	2.000	6.000	30.59	92.48	Max Over Pull:																														
90	5" DP	4.000	5.000	2,838.07	2,930.55																															
1	DRILLING AGITATOR	2.000	6.000	12.97	2,943.52																															
1	SHOCK SUB	2.000	6.000	10.84	2,954.36																															
1	5" DP	4.000	5.000	10,511.67	13,466.03																															
				Total Length:		13,466.03																														
				<b>BHA PROPERTIES</b>																																
				<b>BHA Hrs:</b> <b>Jar Hrs:</b> <b>Cum String Hours:</b> 2 <b>Weight B Jars (kip):</b>																																
<b>SURVEYS</b>																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
12,653	89.49	4.92	6,519	6,319.78	-666.98	6,326.85	0.43																													
12,749	88.75	2.99	6,521	6,415.60	-660.36	6,422.61	2.15																													
12,844	89.63	356.92	6,522	6,510.53	-660.44	6,517.55	6.46																													
12,940	88.53	357.36	6,524	6,606.35	-665.23	6,613.42	1.23																													
13,035	88.40	0.17	6,526	6,701.26	-667.28	6,708.36	2.96																													
13,130	90.24	0.70	6,527	6,796.25	-666.55	6,803.34	2.02																													
13,226	91.16	0.09	6,526	6,892.24	-665.89	6,899.33	1.15																													
13,321	91.96	359.21	6,524	6,987.19	-666.47	6,994.29	1.25																													
<b>OPERATION DETAILS</b>																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	17:30	11.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 10424' T/ 11848'.																													
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG & TD.																													
18:00	06:00	12.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 11848' T/ 13466'.																													
<b>Daily Operations Comments</b>																																				
DAY CREW (1) HAND SHORT. NO ACCIDENTS REPORTED. ROTATED 2618 FT / 16.5 HRS / 159 FPH. SLID 424 FT / 7 HRS / 60 FPH.																																				

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4118AH/OH				Report Number: 012									
				Country: USA				Report Date: 06/17/2013									
				State/OCSG: TEXAS				Spud Date: 06/11/2013									
				Field/Permit#: WOLF CAMP EAST				Release Date:									
				Supervisors: ROY DERDEN / LLOYD ROWELL				DFS: 6.00 DOL: 11 AFE Days: 10									
				Engineer/Manager: BRENT BAKER / EVANS/GAYDOS				Last BOP T.: 06/10/2013									
								Safety & Environmental Incident: No									
Depth md/tvd (ft): 14,645.03 / 6,529.64				Rig: UDI/222				Drig				Comp		Fac		Total	
Progress (ft): 1,179.00				Rig Phone: 713-997-1245				AFE #:				16041948810					
ROP: 1,179.0 / 17.00 = 69.35				RKB (ft): 2,705.51				Day Cost(\$):				45,295		0		45,295	
Proposed TD (ft): 14,605.00				Ground Level (ft): 2,680.0				Cum Cost(\$):				840,304		0		840,304	
Next Csg Point (ft): 14,605.03				POB: 19 Total Man Hours: 0.00				AFE(\$):				1,502,400		4,100,000		210,000 5,812,400	
Current Activity: POOH TO RUN PROD CASING. TOTAL LATERAL DRILLED = 8055' FT. PTB 0.3 FT ABOVE & 30.1 FT LEFT OF TARGET LINE.																	
24 Hr Summary: RIG SERVICE. DRILLED LATERAL F/ 13466' T/ 14645'. TD WELL @ 2330 HRS 06/16/2013. C & C MUD. POOH TO RUN PROD CASING.																	
24 Hr Forecast: POOH. LDDP & BHA. RU & RUN 5 1/2" PROD CSG. C&C MUD. START CMT OPERATIONS.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: NEWPARK DRILLING FLUIDS				D M Cost(\$): \$4,779.91				Bit# 3				Size(in)					
Fluids Eng: JEFF STONER				C M Cost(\$): \$30,558.66				S/N 19285				MD(ft)/TVD(ft)					
Time: 14:15 Oil Cnt:				Mud Additives				Size (in) 8.75				FIT/LOT(ppg)					
Location: JCTION TANK				TAX 435				Mfg ULTERRA				13.38 65.00 / 65.00					
Pit Temp:				CAUSTIC SODA 8				IADC Type				9.63 9.63 / 1,006.00					
Depth (ft): 14,645.03 MBT:				SALT BAG 7				Model #				5.50 14,605.03 / 6,534.01					
Density (ppg): 10.50 pH: 9.0				SODAASH 1				Jets 7X14									
FV (s/qt): 33 Pm (cc): 0.0				TRANSPORTATION 1				Depth In (ft) 6,965									
PV (cp): 2 Pf (cc)/Mf (cc): 0.0 / 0.2								Depth Out (ft)									
YP (lb/100ft²): 1 Chloride (ppm): 182,000								Bit Rotations									
Gels (l): 1/2 Calcium (ppm): 1,120.00								On Btm Hrs Cum									
WL:								Footage Cum (ft)									
HTHP:								ROP Cum									
Cake:								WOB mm/mx (kip)									
Solids:								RPM rot/bit									
ECD (ppg): 10.6 OWR:								Bit HP									
								HSI									
								PSI Drop (psi)									
								Jet Vel (ft/s)									
								Imp Force									
								Grading				I O D L B G O R					
								Bit #									
								Bit # 3									
MUD LOGGING																	
Trip Gas (units): @				BG Gas (units): 200				Surf to Surf:									
Conn Gas (units) 257 @ 338				Pore Pressure: (%)				Lag Strokes:									
Form:				Lag Time: (min)													
BHA # 3						STRING LOADS						MUD PUMPS					
Qty	Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 20,000						#1 #2 #3				
1	ULTERRA U519M PDC BIT			8.750	1.00	1.00	Off Btm Torque: 9,000						Pump				
1	6 3/4" 1.83" 7/8 5.0 .31 RPG FBH M		1.000	6.000	26.37	27.37	Str. Wt. Up: 200						Type:				
1	UBHO SUB		2.000	6.000	3.42	30.79	Str. Wt. Down: 75						Liner ID:				
1	NMDC		3.000	6.000	31.10	61.89	Str. Wt. Rot.: 140						SPM:				
1	NM FLEX DC		2.000	6.000	30.59	92.48	Max Over Pull:						GPM:				
90	5" DP		4.000	5.000	2,838.07	2,930.55							SPR:				
1	DRILLING AGITATOR		2.000	6.000	12.97	2,943.52							1 SPM:				
1	SHOCK SUB		2.000	6.000	10.84	2,954.36							Pressure:				
1	5" DP		4.000	5.000	11,690.67	14,645.03							2 SPM:				
Total Length: 14,645.03													Pressure:				
BHA PROPERTIES																	
BHA Hrs:																	
Jar Hrs:																	
Cum String Hours: 2																	
Weight B Jars (kip):																	
T GPM (gpm): 272 SPP (psi): 2,563																	
AV (DC): AV (DP):																	
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
13,989		90.15		358.33		6,522		7,654.79		-651.22		7,661.77		1.61			
14,085		90.11		357.01		6,521		7,750.66		-655.13		7,757.69		1.38			
14,180		88.57		356.57		6,523		7,845.45		-660.45		7,852.53		1.69			
14,270		87.74		358.33		6,525		7,935.26		-664.45		7,942.39		2.16			
14,371		88.35		357.89		6,529		8,036.11		-667.78		8,043.28		0.74			
14,467		89.36		357.10		6,531		8,131.95		-671.97		8,139.17		1.34			
14,562		90.73		356.13		6,531		8,226.72		-677.58		8,234.00		1.77			
14,645		90.73		356.13		6,530		8,309.46		-683.18		8,316.80		0.00			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	17:30	11.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 13466' T/ 14229'. (#1 PUMP DN)										
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG & TD.										
18:00	23:30	5.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL F/ 14229' T/ 14645'. TD WELL @ 2330 HRS 06/16/2013. (#1 PUMP DN)										
23:30	04:00	4.50	P	DRLPRD	15	CIRC	RECIPROCATED DP 90 FT WHILE ROTATING @ 70 RPM & CIRC @ 600 GPM. PUMPED 3 HIGH VIS SWEEPS. CIRC CLEAN. PUMPED SLUG.										
04:00	06:00	2.00	P	DRLPRD	13	TRIP	STARTED POOH TO RUN PROD CASING.										
Daily Operations Comments																	
DAY CREW (1) HAND SHORT. NO ACCIDENTS REPORTED.																	

EP ENERGY <b>Daily Drilling Report Onshore</b>		Well Name/Wellbore No.: UNIVERSITY EAST 4118AH/OH		Report Number: 013			
		Country: USA		Report Date: 06/18/2013			
		State/OCSG: TEXAS		Spud Date: 06/11/2013			
		Field/Permit#: WOLFCAMP EAST		Release Date:			
		Supervisors: ROY DERDEN / LLOYD ROWELL		DFS: 7.00 DOL: 12 AFE Days: 10			
		Engineer/Manager: BRENT BAKER / EVANS/GAYDOS		Last BOP T.: 06/10/2013			
				Safety & Environmental Incident: No			
Depth md/tvd (ft): 14,645.03 / 6,529.64		Rig: UDI/222		Drig			
Progress (ft): 0.00		Rig Phone: 713-997-1245		Comp			
ROP: 0.0 / = 0.00		RKB (ft): 2,705.51		Fac			
Proposed TD (ft): 14,605.00		Ground Level (ft): 2,680.0		Total			
Next Csg Point (ft): 14,605.03		POB: 43 Total Man Hours: 0.00					
Current Activity: C&C MUD. WAIT HES CEMENT TRUCKS.							
24 Hr Summary: FINISHED POOH. RACKED 132 STDs DP IN DERRICK. PJSM. RU EXPRESS LD MACHINE. LD DP & CURVE BHA. PJSM. RU EXPRESS CSG CREW & TORQUE TURN. RAN 364 JTS 5 1/2" PROD CASING T/ 14645'. RUPTURED NCS AIR LOCK TOOL. C & C MUD. RD CC/TT/LD MACHINE.							
24 Hr Forecast: C&C MUD. CMT 5 1/2" PROD CASING. R/D HALLIBURTON. ND BOPE. SET SLIPS ON 5 1/2" PROD CASING. CUT CSG. NU BLANK FLANGE. RD & PREPARE T/ SKID RIG ON UE 44-18 BH.							
<b>MUD PROPERTIES</b>		<b>MUD MATERIALS</b>		<b>BIT RECORD</b>			
Fluids Co.: NEWPARK DRILLING FLUIDS		D M Cost(\$): \$5,459.67		Bit# 3			
Fluids Eng: JEFF STONER		C M Cost(\$): \$36,018.33		S/N 19285			
Time: 16:15 Oil Cnt:		Mud Additives		Size (in) 8.75			
Location: ICTION TANK		Used		Mfg ULTERRA			
Pit Temp: H2O Cnt:		OPTIZAN 15		IADC Type			
Depth (ft): 14,645.03		CAUSTIC SODA 7		Model #			
Density (ppg): 10.20		TAX 496		Jets			
FV (s/qt): 33		SALT BAG 1		Depth In (ft) 6,965			
PV (cp): 2		SODA ASH 2		Depth Out (ft) 14,645			
YP (lb/100ft³): 1		BARITE 2		Bit Rotations			
Gels (l): 1/2				On Btm Hrs Cum			
WL: LCM:				Footage Cum (ft)			
HTHP: ES (mV):				ROP Cum			
Cake: LGS (%): 1.16				WOB min/max (kip)			
Solids: Ex Lime (ppb):				RPM rot/bit			
ECD: OWR:				Bit HP			
				HSI			
				PSI Drop (psi)			
				Jet Vel (ft/s)			
				Imp Force			
				Grading			
				I O D L B G O R			
				Bit #			
				Bit # 3			
<b>MUD LOGGING</b>							
Trip Gas (units): @		BG Gas (units): 200		Surf to Surf:			
Conn Gas (units) 257 @ 338		Pore Pressure: (%)		Lag Strokes:			
Form:		Lag Time: (min)					
<b>BHA # 3</b>							
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)		
1	ULTERRA U519M PDC BIT		8.750	1.00	1.00		
1	6 3/4" 1.83" 7/8 5.0 .31 RPG FBH M	1.000	6.000	26.37	27.37		
1	UBHO SUB	2.000	6.000	3.42	30.79		
1	NMDC	3.000	6.000	31.10	61.89		
1	NM FLEX DC	2.000	6.000	30.59	92.48		
90	5" DP	4.000	5.000	2,838.07	2,930.55		
1	DRILLING AGITATOR	2.000	6.000	12.97	2,943.52		
1	SHOCK SUB	2.000	6.000	10.84	2,954.36		
1	5" DP	4.000	5.000	11,690.67	14,645.03		
Total Length:					14,645.03		
<b>STRING LOADS</b>							
On Btm Torque:							
Off Btm Torque:							
Str. Wt. Up:							
Str. Wt. Down:							
Str. Wt. Rot:							
Max Over Pull:							
<b>BHA PROPERTIES</b>							
BHA Hrs:							
Jar Hrs:							
Cum String Hours:							
Weight B Jars (kip):							
<b>MUD PUMPS</b>							
	#1	#2	#3				
Pump Type:							
Liner ID:							
SPM:							
GPM:							
SPR:							
1 SPM:							
Pressure:							
2 SPM:							
Pressure:							
T GPM (gpm):	SPP (psi):						
AV (DC):	AV (DP):						
<b>SURVEYS</b>							
MD (ft)	Inclination (")	Azimuth (")	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
13,989	90.15	358.33	6,522	7,654.79	-651.22	7,661.77	1.61
14,085	90.11	357.01	6,521	7,750.66	-655.13	7,757.69	1.38
14,180	88.57	356.57	6,523	7,845.45	-660.45	7,852.53	1.69
14,270	87.74	358.33	6,525	7,935.26	-664.45	7,942.39	2.16
14,371	88.35	357.89	6,529	8,036.11	-667.78	8,043.28	0.74
14,467	89.36	357.10	6,531	8,131.95	-671.97	8,139.17	1.34
14,562	90.73	356.13	6,531	8,226.72	-677.58	8,234.00	1.77
14,645	90.73	356.13	6,530	8,309.46	-683.18	8,316.80	0.00
<b>OPERATION DETAILS</b>							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	10:00	4.00	P	DRLPRD	13	TRIP	FINISHED POOH. RACKED 132 STDs DP IN DERRICK.
10:00	13:30	3.50	P	DRLPRD	14	PULDSTR	PJSM. RU EXPRESS LD MACHINE. LD DP & CURVE BHA.
13:30	15:00	1.50	P	CASPRD1	23	RAMBLCK	INSTALLED 5 1/2" RAMS IN BOPE. CLEANED RIG FLOOR. REMOVED TD BALES. INSTALLED 16' CSG BALES.
15:00	15:30	0.50	P	CASPRD1	41	SFTYMTG	PJSM W/ ALL PERSONNEL ON CSG OPERATIONS.
15:30	17:00	1.50	P	CASPRD1	24	RUNCAS	RU EXPRESS CSG CREW & TORQUE TURN.
17:00	02:30	9.50	P	CASPRD1	24	RUNCAS	RAN 5 1/2" HES P-110 FLOAT SHOE, (1) JT 5 1/2" 17# HCP-110 LTC CSG, 5 1/2" HES P-110 FLOAT COLLAR, 5 1/2" NCS LANDING COLLAR, (1) JT 5 1/2" 17# HCP-110 LTC CSG, SAGERIDER TOE GUN, (91) JTS 5 1/2" 17# HCP-110 LTC CSG, (1) 5 1/2" 17# HCP-110 LTC MARKER JT, (97) JTS 5 1/2" 17# HCP-110 LTC CSG, (1) 5 1/2" 17# HCP-110 LTC MARKER JT, (9) JTS 5 1/2" 17# HCP-110 LTC CSG, 5 1/2" P-110 NCS AIR LOCK SUB, (11) JTS 5 1/2" 17# HCP-110 LTC CSG, (1) 5 1/2" 17# HCP-110 LTC MARKER JT & (154) JTS 5 1/2" 17# HCP-110 LTC CSG. FS @ 14645'. FC @ 14604'. LC @ 14603'. TOE GUN @ 14561'. MID LATERAL MJ @ 10879'. BASE CURVE MJ @ 6971'. NCS AIR LOCK SUB @ 6604'. KOP MJ @ 6165'.
02:30	05:00	2.50	P	CASPRD1	15	CIRC	RU TOP DRIVE ON CSG. PRESSURED CSG TO 2200 PSI. RUPTURED NCS AIR LOCK PLUG. FILLED CSG W/ BRINE WTR. DISPLACED AIR F/ HOLE @ 420 GPM / 2000 PSI. RD EXPRESS CC / TT / LD MACHINE.
05:00	06:00	1.00	N	CASSURF	15	CIRC	CIRC @ 420 GPM / 1250 PSI. WAIT ON HES PUMP TRUCKS.
Daily Operations Comments							
FULL CREWS NO ACCIDENTS REPORTED.							

 <b>Daily Drilling Report Onshore</b>				<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4118AH/OH <b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLFCAMP EAST <b>Supervisors:</b> ROY DERDEN / LLOYD ROWELL <b>Engineer/Manager:</b> BRENT BAKER / EVANS/GAYDOS				<b>Report Number:</b> 014 <b>Report Date:</b> 06/19/2013 <b>Spud Date:</b> 06/11/2013 <b>Release Date:</b> <b>DFS:</b> 8.00 <b>DOL:</b> 13 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> 06/10/2013 <b>Safety &amp; Environmental Incident:</b> No																																																																							
<b>Depth md/tvd (ft):</b> 14,645.03 / 6,529.64 <b>Progress (ft):</b> 0.00 <b>ROP:</b> 0.0 / 0.00 = 0.00 <b>Proposed TD (ft):</b> 14,645.00 <b>Next Csg Point (ft):</b> 14,645.03				<b>Rig:</b> UDI/222 <b>Rig Phone:</b> 713-997-1245 <b>RKB (ft):</b> 2,705.51 <b>Ground Level (ft):</b> 2,680.0 <b>POB:</b> 27 <b>Total Man Hours:</b> 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drlg</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td><b>AFE #:</b> 16041948810</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Day Cost(\$):</b> 180,900</td> <td>180,900</td> <td>19,350</td> <td>0</td> <td>180,250</td> </tr> <tr> <td><b>Cum Cost(\$):</b> 1,373,009</td> <td>1,373,009</td> <td>38,350</td> <td>0</td> <td>1,411,359</td> </tr> <tr> <td><b>AFE(\$):</b> 1,502,400</td> <td>1,502,400</td> <td>4,100,000</td> <td>210,000</td> <td>5,812,400</td> </tr> </tbody> </table>					Drlg	Comp	Fac	Total	<b>AFE #:</b> 16041948810					<b>Day Cost(\$):</b> 180,900	180,900	19,350	0	180,250	<b>Cum Cost(\$):</b> 1,373,009	1,373,009	38,350	0	1,411,359	<b>AFE(\$):</b> 1,502,400	1,502,400	4,100,000	210,000	5,812,400																																											
	Drlg	Comp	Fac	Total																																																																											
<b>AFE #:</b> 16041948810																																																																															
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<b>Cum Cost(\$):</b> 1,373,009	1,373,009	38,350	0	1,411,359																																																																											
<b>AFE(\$):</b> 1,502,400	1,502,400	4,100,000	210,000	5,812,400																																																																											
<b>Current Activity:</b> RIG RELEASED. SKID T/UNIVERSITY EAST 41-18 BH. <b>24 Hr Summary:</b> CIRC. WAIT ON HES CEMENT TRUCKS. RU HES. CMT PROD CSG. RD HES. ND BOPE. LANDED CSG SLIPS. FINISH ND BOPE. INSTALLED WH CAP. RIG RELEASED @ 02:30 AM 6-19-13. RD & PREPARED FOR SKID T/ UNIVERSITY EAST 41-18 BH. <b>24 Hr Forecast:</b> RIG RELEASED.																																																																															
<b>MUD PROPERTIES</b> Fluids Co.: NEWPARK DRILLING FLUIDS Fluids Eng: JEFF STONER Time: 13:15 Oil Cnt: Location: ICTION TANK H2O Cnt: Pit Temp: Depth (ft): 14,645.03 MBT: Density (ppg): 10.15 pH: 9.0 FV (s/qt): 29 Pm (cc): 0.1 PV (cp): 1 Pf (cc)/Mf (cc): 0.0 / 0.2 YP (lb/100ft <sup>2</sup> ): 1 Chloride (ppm): 187,000 Gels (l): 1/1 Calcium (ppm): 1,240.00 WL: HTHP: Cake: Solids: ECD:				<b>MUD MATERIALS</b> D M Cost(\$): \$0.00 C M Cost(\$): \$36,018.33 Mud Additives TRANSPORTATION 0 SODAASH 0 SHRINK WRAPS 0 OPTIZAN 0 TAX 0 BARITE 0 TEX-TAN 0 BRINE WATER 0 BARITE 0 SALT BAG 0 FIBER SEAL 0 PALLETS 0 CAUSTIC SODA 0				<b>BIT RECORD</b> 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 # Bit #				<b>CASING</b> Size(in) MD(ft)/TVD(ft) FT/LOT(ppg) 13.38 65.00 / 65.00 9.63 9.63 / 1,006.00 5.50 14,645.03 / 6,534.01 <b>INVENTORY</b> Item Inv DIESEL 0 <b>SOLIDS CONTROL</b> Skr Deck 1 Screens Deck 2 Screens																																																																			
<b>MUD LOGGING</b> Trip Gas (units): @ BG Gas (units): Conn Gas (units): @ Form: Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time:				<b>MUD PUMPS</b> <table border="1"> <thead> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> </thead> <tbody> <tr> <td>Pump Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner ID:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GPM:</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></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>T GPM (gpm):</td> <td colspan="3">SPP (psi):</td> </tr> <tr> <td>AV (DC):</td> <td colspan="3">AV (DP):</td> </tr> </tbody> </table>					#1	#2	#3	Pump Type:				Liner ID:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:				T GPM (gpm):	SPP (psi):			AV (DC):	AV (DP):																										
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