








Fuel						
FUEL TYPE	VENDOR	BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING
Diesel	Fuel Source	800	690	1,490	690	800

SAFETY MEETING / JOB SAFETY ANALYSIS		
	MORNING TOUR	EVENING TOUR
TOPIC	TIH	CEMENTING
JSA	PAYING ATTENTION	STAY AWAY FROM HIGH PSI LINES
STOP CARDS	0	0
NEAR MISSES	0	0

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JOE WILKERSON / BRANDON GREEN Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY		Report Number: 002 Report Date: 03/07/2014 Spud Date: Release Date: DFS: 0.00 DOL: 1 AFE Days: 10 Last BOP T.: Safety & Environmental Incident: No																																																																									
Depth md/tvd (ft): 874.00 / 873.94 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,100.03		Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 28 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 #: 161635/50791</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 214,910</td> <td>0</td> <td>0</td> <td>214,910</td> <td></td> </tr> <tr> <td>Cum Cost(\$) 483,923</td> <td>0</td> <td>0</td> <td>483,923</td> <td></td> </tr> <tr> <td>AFE(\$): 1,804,600</td> <td>3,880,000</td> <td>345,000</td> <td>6,029,600</td> <td></td> </tr> </tbody> </table>			Drig	Comp	Fac	Total	AFE #: 161635/50791					Day Cost(\$): 214,910	0	0	214,910		Cum Cost(\$) 483,923	0	0	483,923		AFE(\$): 1,804,600	3,880,000	345,000	6,029,600																																																
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Current Activity: TESTING CASING. 24 Hr Summary: WALK RIG OVER WELL CENTER, RIG UP, NU BOP. CHANGE RAMS, TEST BOPE & CSG. 24 Hr Forecast: FINISH TESTING CASING. NU FLOW LINE AND BELL NIPPLE. C/O SWIVEL PACKING. SLIP & CUT DRILL LINE. TIH. DISPLACE WELL WITH OBM. DRILL CMT. SPUD WELL.																																																																													
MUD PROPERTIES Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6.00 Oil Cnt (%): 72 Location: ICTION TANK H2O Cnt (%): 28 Pit Temp ("F): 0 Sand Cnt (%): 0.25 Depth (ft): 874.00 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 65 Pm (cc): 0.0 PV (cp): 16 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft ³): 15 Chloride (ppm): 0 Gels (l): 13/18/20 Calcium (ppm): 0.00 WL (cc/30min): 10.80 LCM (lbm/bbl): 0.0 HTHP ("F): 250 ES (mV): 508.0 Cake (32nd"): 2.00 LGS (%): 6.80 Solids (lbm/bbl): 70 Ex Lime (ppb): 4.0 ECD (ppg): 0.0 OWR: 72.0 / 28.0		MUD MATERIALS D M Cost(\$): \$0.00 C M Cost(\$): \$0.00 Mud Additives Used		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 mm/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force Grading I O D L B G O R Bit # Bit #																																																																									
MUD LOGGING Trip Gas (units): @ BG Gas (units): Conn Gas (units): @ Form: Pore Pressure: 0 (%) Surf to Surf: Lag Strokes: Lag Time: (min)		INVENTORY Item Inv MUD DIESEL 7,931 DIESEL 14,684		SOLIDS CONTROL Skr Deck 1 Screens Deck 2 Screens 1 100/// 2 100///																																																																									
		MUD PUMPS <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> T GPM (gpm): SPP (psi): AV (DC): AV (DP):			#1	#2	#3	Pump Type:				Liner ID:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:																																					
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Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4716MH/OH

Report Number:

003

Country:

USA

State/OCSG:

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

JOE WILKERSON / BRANDON GREEN

Engineer/Manager:

ESPARZA, JESSE / EVANS, PERRY

Report Date:

03/08/2014

Spud Date:

03/07/2014

Release Date:

DFS: 1.00

DOL: 2

AFE Days: 10

Last BOP T.:

03/07/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

2,734.01 / 2,730.16

Progress (ft):

1,860.00

ROP:

1,860.0 / 11.00 = 169.09

Proposed TD (ft):

15,598.00

Next Csg Point (ft):

15,992.03

Rig:

SIDEWINDER/222

Rig Phone:

713-997-1245

RKB (ft):

2,677.01

Ground Level (ft):

2,652.0

POB:

21

Total Man Hours:

0.00

AFE #:

161635/50791

Day Cost(\$):

66,265

Cum Cost(\$):

559,472

AFE(\$):

1,804,600

Drig

Comp

Fac

Total

66,265

0

0

66,265

559,472

0

345,000

559,472

1,804,600

3,880,000

345,000

6,029,600

Current Activity:

DRILLING @ 2,734' PTB INC:9.2, AZM:26.2, TVD:2,731', 10.4' AHEAD, 1.6' RIGHT.

24 Hr Summary:

FINISH TESTING CASING. NU FLOW LINE AND BELL NIPPLE. C/O SWIVEL PACKING. SLIP & CUT DRILL LINE. TIH. DISPLACE WELL WITH OBM.

24 Hr Forecast:

DRILL SIDE BUILD

MUD PROPERTIES

Fluids Co.:

HALLIBURTON

Fluids Eng:

JONATHAN MEEKS

Time:

20:57

Location:

JCTION TANK

Pit Temp ("F):

91

Depth (ft):

5,152.01

Density (ppg):

9.00

FV (s/qt):

60

PV (cp):

13

YP (lb/100ft³):

14

Gels (l):

10/15/17

WL (cc/30min):

11.20

HTHP ("F):

250

Cake (32nd")::

3.00

Solids (lbm/bbl):

61

ECD (ppg):

9.4

MUD MATERIALS

D M Cost(\$):

\$11,236.06

C M Cost(\$):

\$20,520.40

Mud Additives

Used

GELTONE V

20

DURATONE HT

12

CALCIUM CHLORIDE PO

196

INVERMUL

2

BARABLOK

12

FUEL SURCHARGE

350

ENGINEER

1

SHRINK WRAP

6

LIME

74

TRANSPORTATION

247

BIT RECORD

Bit#

1

S/N

7147736

Size (in)

8.75

Mfg

HUGHES

IADC Type

Model #

T606X

Jets

6X14

Depth In (ft)

874

Depth Out (ft)

Bit Rotations

45/70

On Btm Hrs Cum

11.00

Footage Cum (ft)

1,860

ROP Cum

169.1

WOB mm/mx (kip)

/

RPM rot/bit

/

Bit HP

1.93

HSI

2.13

PSI Drop (psi)

366.78

Jet Vel (ft/s)

213.42

Imp Force

597.08

Grading

I O D L B G O R

Bit #

Bit # 1

CASING

Size(in)

13.38

MD(ft)/TVD(ft)

65.00 / 65.00

FT/LOT(ppg)

8.75

874.00 / 874.00

5.50

15,992.03 / 7,110.01

INVENTORY

Item

Inv

MUD DIESEL

4,940

DIESEL

13,578

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

100///

2

100///

MUD LOGGING

Trip Gas (units):

@

Conn Gas (units)

@

Form:

BG Gas (units):

Pore Pressure:

(%)

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

BHA # 1

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

HUGHES T606X

8.750

1.00

1.00

1

NOV 1.5" 7/8 5.0 PDM MUD MOTO

1.750

6.750

26.64

27.64

1

UBHO

3.250

6.687

2.28

29.92

1

NMDC W/ MWD

3.250

6.812

30.85

60.77

1

NMDC

2.937

6.750

30.72

91.49

1

CROSSOVER

2.375

6.750

3.51

95.00

3

3-DRILL COLLARS

2.250

6.437

91.65

186.65

CROSSOVER

2.625

6.750

3.05

189.70

113

5" DP

4.276

5.000

6,036.31

6,226.01

Total Length:

6,226.01

STRING LOADS

On Btm Torque:

11,000

Off Btm Torque:

3,000

Str. Wt. Up:

81

Str. Wt. Down:

77

Str. Wt. Rot.:

79

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

11

Jar Hrs:

Cum String Hours:

11

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump

DR

DR

Type:

Liner ID:

6.00

6.00

SPM:

72.00

72.00

GPM:

310.91

310.91

SPR:

1 SPM:

60.00

40.00

Pressure:

520.00

330.00

2 SPM:

40.00

60.00

Pressure:

340.00

515.00

T GPM (gpm):

600

SPP (psi):

2,250

AV (DC):

441

AV (DP):

293

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

1,836

0.80

45.40

1,836

-5.68

11.64

5.65

0.11

1,931

1.00

57.30

1,931

-6.60

12.81

6.57

0.29

2,024

0.80

59.10

2,024

-7.38

14.05

7.34

0.22

2,119

1.40

18.60

2,119

-8.82

14.99

8.78

1.00

2,214

3.40

27.80

2,214

-12.42

16.67

12.37

2.14

2,308

4.70

32.00

2,307

-18.16

20.02

18.10

1.42

2,403

6.20

28.80

2,402

-25.96

24.55

25.90

1.61

2,497

6.10

31.40

2,495

-34.69

29.60

34.61

0.31

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

06:30

0.50

P

CASSURF

31

TESTCAS

FINISHED TESTING SURFACE CSG TO 1,500 PSI FOR 30 MIN. RD TESTERS.

06:30

09:30

3.00

P

CASSURF

28

NUBOPE

NU BELL NIPPLE & FLOW LINE. CENTER BOP W/ROTARY. INSTALL CELLAR PUMP.HOOK UP KILL LINE. INSTALL DRYING SHAKER SCREENS. RELOCATE BHA.

09:30

11:30

2.00

P

CASSURF

42

OTHER

CHANGED OUT SWIVEL PACKING.

11:30

14:00

2.50

P

CASSURF

17

CUTSLIP

SLIP & CUT DRILL LINE.

14:00

14:30

0.50

P

CASSURF

12

RIGSVC

SERVICED RIG & TDU.

14:30

16:30

2.00

P

CASSURF

13

TRIP

P/U BHA #1.

16:30

17:30

1.00

P

CASSURF

13

TRIP

TIH TO 748'.

17:30

18:00

0.50

P

CASSURF

42

OTHER

LEVEL DERRICK.

18:00

18:30

0.50

P

CASSURF

15

CIRC

DISPLACED CASING W/OBM.

18:30

19:00

0.50

P

CASSURF

32

DRLFLOAT

DRILLED CMT 795'-874'.

19:00

06:00

11.00

P

DRLPRD

08

DRLDIR

DRILLED 874'-2,734'. (SPUD WELL @ 19:00 HRS 3-7-14)

Daily Operations Comments

Printed: 3/9/2014 8:06:22AM

1

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4716MH/OH

Report Number:

004

Country:

USA

Report Date:

03/09/2014

State/OCSG:

TEXAS

Spud Date:

03/07/2014

Field/Permit#:

WOLFCAMP EAST

Release Date:

DFS: 2.00

Supervisors:

JOE WILKERSON / BRANDON GREEN

DOL: 3

AFE Days: 10

Engineer/Manager:

ESPARZA, JESSE / EVANS, PERRY

Last BOP T.:

03/07/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

6,226.01 / 6,192.05

Progress (ft):

3,492.01

ROP:

3,492.0 / 22.50 = 155.20

Proposed TD (ft):

15,598.00

Next Csg Point (ft):

15,992.03

Rig:

SIDEWINDER/222

Rig Phone:

713-997-1245

RKB (ft):

2,677.01

Ground Level (ft):

2,652.0

POB:

21

Total Man Hours:

0.00

AFE #:

161635/50791

Day Cost(\$):

77,516

Cum Cost(\$):

636,988

AFE(\$):

1,804,600

Comp:

0

Fac:

0

Total:

77,516

Day Cost(\$):

636,988

Cum Cost(\$):

636,988

AFE(\$):

6,029,600

Current Activity:

DRILLING SIDE BUILD @ 6,226' PTB INC:0.5, AZM:51.7, TVD:6,192', 11.2' BEHIND, 7.0' RIGHT.

24 Hr Summary:

DRILLED 2,734'-6,226'

24 Hr Forecast:

DRILL SIDE BUILD TO KOP. CIRCULATE HOLE CLEAN. POOH. P/U CURVE BHA. TIH. DRILL CURVE.

MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING			
Fluids Co.: HALLIBURTON				D M Cost(\$): \$11,236.06				Bit# 1				Size(in) MD(ft)/TVD(ft) FIT LOT(ppg)			
Fluids Eng: JONATHAN MEEKS				C M Cost(\$): \$31,756.46				S/N 7147736				13.38 65.00 / 65.00			
Time: 20:57 Oil Cnt (%): 72				Mud Additives Used				Mfg 8.75				9.63 874.00 / 874.00			
Location: JCTION TANK H2O Cnt (%): 28				ENGINEER 1				IADC Type HUGHES				5.50 15,992.03 / 7,110.01			
Pit Temp (°F): 95 Sand Cnt (%): 0.25				CALCIUM CHLORIDE PO 196				Model # T606X							
Depth (ft): 6,758.01 MBT (lbm/bbl): 0.0				INVERMUL 2											
Density (ppg): 9.05 pH: 0.0				LIME 74											
FV (s/qt): 54 Pm (cc): 0.0				BARABLOK 12				Jets 6X14							
PV (cp): 13 Pf (cc)/Mf (cc): 0.0 / 0.0				SHRINK WRAP 6				Depth In (ft) 874							
YP (lb/100ft²): 14 Chloride (ppm): 0				TRANSPORTATION 247				Depth Out (ft) 6,690							
Gels (l): 10/15/17 Calcium (ppm): 0.00				FUEL SURCHARGE 350				Bit Rotations 36/40							
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0				GELTONE V 20				On Btm Hrs Cum 33.50							
HTHP (°F): 250 ES (mV): 504.0				DURATONE HT 12				Footage Cum (ft) 5,352							
Cake (32nd"): 2.00 LGS (%): 6.50								ROP Cum 159.8							
Solids (lbm/bbl): 64 Ex Lime (ppb): 4.7								WOB mm/mx (kip) 8 / 15							
ECD (ppg): 9.3 OWR: 72.0 / 28.0								RPM rot/bit 36 / 40							
								Bit HP 0.68							
								HSI 0.76							
								PSI Drop (psi) 184.02							
								Jet Vel (ft/s) 151.17							
								Imp Force 299.57							
								Grading I O D L B G O R							
								Bit # 1							
								Bit # 1				1 3 BT G X 3 WTBHA			


MUD LOGGING			
Trip Gas (units): @	BG Gas (units):	Surf to Surf:	
Conn Gas (units): @		Lag Strokes:	
Form:	Pore Pressure: (%)	Lag Time: (min)	

BHA # 1						STRING LOADS		MUD PUMPS			
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	12,500	#1	#2	#3	
1	HUGHES T606X		8.750	1.00	1.00	Off Btm Torque:	4,000	Pump	DR	DR	
1	NOV 1.5" 7/8 5.0 PDM MUD MOTO	1.750	6.750	26.64	27.64	Str. Wt. Up:	128	Type:			
1	UBHO	3.250	6.687	2.28	29.92	Str. Wt. Down:	119	Liner ID:	6.00	6.00	
1	NMDC W/ MWD	3.250	6.812	30.85	60.77	Str. Wt. Rot.:	120	SPM:	50.00	50.00	
1	NMDC	2.937	6.750	30.72	91.49	Max Over Pull:		GPM:	215.91	215.91	
1	CROSSOVER	2.375	6.750	3.51	95.00			SPR:			
3	3-DRILL COLLARS	2.250	6.437	91.65	186.65			1 SPM:	60.00	60.00	
	CROSSOVER	2.625	6.750	3.05	189.70			Pressure:	630.00	610.00	
113	5" DP	4.276	5.000	6,916.31	7,106.01			2 SPM:	40.00	40.00	
Total Length: 7,106.01						BHA PROPERTIES		Pressure:			416.00
						BHA Hrs: 23					
						Jar Hrs:					
						Cum String Hours: 34					
						Weight B Jars (kip):					
								T GPM (gpm): 425			SPP (psi): 1,975
								AV (DC): 441			AV (DP): 293

SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
5,330	2.30	12.70	5,296	-395.67	222.71	395.09	0.68
5,424	1.90	19.50	5,390	-398.99	223.64	398.40	0.50
5,518	1.60	27.10	5,484	-401.63	224.76	401.04	0.40
5,614	1.40	14.10	5,580	-403.96	225.66	403.37	0.41
5,708	1.50	39.90	5,674	-406.02	226.73	405.43	0.70
5,802	0.20	67.30	5,768	-407.03	227.67	406.43	1.41
5,896	0.70	74.10	5,862	-407.25	228.37	406.65	0.53
5,990	0.30	70.60	5,956	-407.49	229.16	406.89	0.43


OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICED RIG & TDU.
06:30	06:00	22.50	P	DRLPRD	08	DRLDIR	DRILLED 2,734'-6,226' (DAY LIGHT SAVINGS TIME)

Daily Operations Comments

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: JOE WILKERSON / BRANDON GREEN Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY				Report Number: 005 Report Date: 03/10/2014 Spud Date: 03/07/2014 Release Date: DFS: 3.00 DOL: 4 AFE Days: 10 Last BOP T.: 03/07/2014 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 7,106.01 / 7,027.63 Progress (ft): 880.00 ROP: 880.0 / 14.00 = 62.86 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,992.03				Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 21 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>161635/50791</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>83,730</td> <td>0</td> <td>0</td> <td>83,730</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>720,718</td> <td>0</td> <td>0</td> <td>720,718</td> </tr> <tr> <td>AFE(\$):</td> <td>1,804,600</td> <td>3,880,000</td> <td>345,000</td> <td>6,029,600</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	161635/50791				Day Cost(\$):	83,730	0	0	83,730	Cum Cost(\$)	720,718	0	0	720,718	AFE(\$):	1,804,600	3,880,000	345,000	6,029,600
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Current Activity: BUILDING CURVE @ 7,106' PTB INC 50.0, AZM 181.0, TVD 7,019', DLN 12.1, MY 13.7, BELOW 4.3', RIGHT 4.3'. 24 Hr Summary: DRILL SIDE BUILD TO KOP. CIRCULATE HOLE CLEAN. POOH. P/U CURVE BHA. TIH. DRILL CURVE 24 Hr Forecast: DRILL CURVE. CIRCULATE HOLE CLEAN. POOH FOR LATERAL ASSY.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6:00 Oil Cnt (%): 72 Location: JCTION TANK H2O Cnt (%): 28 Pit Temp (°F): 95 Sand Cnt (%): 0.25 Depth (ft): 7,106.01 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 54 Pm (cc): 0.0 PV (cp): 13 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 14 Chloride (ppm): 0 Gels (l): 10/15/17 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 504.0 Cake (32nd"): 2.00 LGS (%): 6.50 Solids (lbm/bbl): 64 Ex Lime (ppb): 4.7 ECD (ppg): 9.3 OWR: 72.0 / 28.0		D M Cost(\$): \$6,798.81 C M Cost(\$): \$38,555.27 Mud Additives GELTONE V 11 LIME 37 INVERMUL 1 BARITE 41 48 EZ MUL 2 CALCIUM CHLORIDE PO 84 ENGINEER 1		Bit# 1 S/N 7147736 Size (in) 8.75 Mfg HUGHES IADC Type Model # T606X FHI21 Jets 6X14 3X22 Depth In (ft) 874 Depth Out (ft) 6,690 Bit Rotations 36/40 On Btm Hrs Cum 22.50 Footage Cum (ft) 464 ROP Cum 103.9 WOB mm/mx (kip) 8 / 15 RPM rot/bit 36 / 40 Bit HP 0.68 HSI 0.76 PSI Drop (psi) 184.02 Jet Vel (ft/s) 151.17 Imp Force 299.57		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 13.38 65.00 / 65.00 9.63 874.00 / 874.00 5.50 15,992.03 / 7,110.01																														
MUD LOGGING		Trip Gas (units): 888 @ Conn Gas (units): 281 @ Form:		BG Gas (units): 663 Pore Pressure: 0 (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)		Grading I O D L B G O R Bit # 1 1 3 BT G X 3 WTBHA Bit # 2																														
BHA # 2				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 12,500	#1																													
1	SMITH FHI21		8.750	1.00	1.00	Off Btm Torque: 4,000	#2																													
1	NOV 2.12" 4/5 7.0 MUD MOTOR W.	1.750	6.750	26.41	27.41	Str. Wt. Up: 143	#3																													
1	UBHO	3.250	6.687	2.28	29.69	Str. Wt. Down: 115																														
1	MWD	3.250	6.812	30.85	60.54	Str. Wt. Rot.: 131																														
1	NM FLEX DC	2.937	6.750	30.87	91.41	Max Over Pull:																														
	5" DP	4.276	5.000	7,014.60	7,106.01																															
				Total Length: 7,106.01																																
BHA PROPERTIES						T GPM (gpm): 460 SPP (psi): 1,550 AV (DC): 441 AV (DP): 293																														
BHA Hrs: 3																																				
Jar Hrs:																																				
Cum String Hours: 36																																				
Weight B Jars (kip):																																				
SURVEYS																																				
MD (ft)		Inclination (°)		Azimuth (°)		TVD (ft)																														
6,775		12.00		177.60		6,740																														
6,807		16.60		175.40		6,771																														
6,838		20.10		176.80		6,801																														
6,869		23.20		178.80		6,830																														
6,901		26.20		180.20		6,859																														
6,932		29.50		182.20		6,886																														
6,964		33.20		181.90		6,913																														
6,996		36.90		181.60		6,940																														
						V Section (ft)																														
						-401.69																														
						-393.81																														
						-384.08																														
						-372.65																														
						-359.28																														
						-344.81																														
						-328.17																														
						-309.80																														
						+E/-W (ft)																														
						230.72																														
						231.23																														
						231.88																														
						232.31																														
						232.42																														
						232.10																														
						231.51																														
						230.95																														
						+N/-S (ft)																														
						401.09																														
						393.21																														
						383.47																														
						372.04																														
						358.68																														
						344.20																														
						327.57																														
						309.20																														
						Dog Leg (°/100ft)																														
						15.33																														
						14.47																														
						11.38																														
						10.28																														
						9.55																														
						11.06																														
						11.57																														
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICED RIG & TDU.																													
06:30	09:00	2.50	P	DRLPRD	08	DRLDIR	DRILLED 6,226' TO KOP @ 6,690'.																													
09:00	10:00	1.00	P	DRLPRD	15	CIRC	CIRCULATE HOLE CLEAN & PUMP SLUG.																													
10:00	13:00	3.00	P	DRLPRD	13	TRIP	POOH & L/D BHA.																													
13:00	18:30	5.50	P	DRLPRD	13	TRIP	M/U CURVE BHA & TIH TO 6,690'.																													
18:30	06:00	11.50	P	DRLPRD	09	DRLCRV	DRILLING CURVE 6,690'-7,106'.																													
Daily Operations Comments																																				

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH				Report Number: 006			
				Country: USA				Report Date: 03/11/2014			
				State/OCSS: TEXAS				Spud Date: 03/07/2014			
				Field/Permit#: WOLFCAMP EAST				Release Date:			
				Supervisors: JOE WILKERSON / BRANDON GREEN				DFS: 4.00 DOL: 5 AFE Days: 10			
				Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY				Last BOP T.: 03/07/2014			
								Safety & Environmental Incident: No			
Depth md/tvd (ft): 7,668.02 / 7,128.33				Rig: SIDEWINDER/222							
Progress (ft): 562.00				Rig Phone: 713-997-1245				AFE #:			
ROP: 562.0 / 12.00 = 46.83				RKB (ft): 2,677.01				Drig			
Proposed TD (ft): 15,598.00				Ground Level (ft): 2,652.0				Comp			
Next Csg Point (ft): 15,992.03				POB: 21 Total Man Hours: 0.00				Fac			
								Total			
								161635/50791			
								128,378			
								0			
								0			
								128,378			
								849,097			
								0			
								849,097			
								1,804,600			
								3,880,000			
								345,000			
								6,029,600			
Current Activity: DRILL LATERAL @ 7,668', INC 90.5, AZM 178.2, TVD 7,138', BELOW 5.3', RIGHT 0.5', TOTAL LATERAL :271'.											
24 Hr Summary: DRILL CURVE. CIRCULATE HOLE CLEAN. POOH FOR LATERAL ASSY. FINISH DRILLING CURVE. DRILL LATERAL.											
24 Hr Forecast: DRILL LATERAL.											
MUD PROPERTIES				MUD MATERIALS				BIT RECORD			
Fluids Co.: HALLIBURTON				D M Cost(\$): \$7,938.15				2			
Fluids Eng: JONATHAN MEEKS				C M Cost(\$): \$46,493.42				3			
Time: 6:00 Oil Cnt (%): 72				Mud Additives				Size (in)			
Location: JCTION TANK H2O Cnt (%): 28				BAROID 41				S/N			
Pit Temp (°F): 76 Sand Cnt (%): 0.25				ENGINEER				8.75			
Depth (ft): 7,668.02 MBT (lbm/bbl): 0.0				GELTONE V				Mfg			
Density (ppg): 9.00 pH: 0.0				EZ MUL				SMITH			
FV (s/qt): 51 Pm (cc): 0.0				CALCIUM CHLORIDE PO				IADC Type			
PV (cp): 13 Pf (cc)/Mf (cc): 0.0 / 0.0				INVERMUL				Model #			
YP (lb/100ft²): 14 Chloride (ppm): 0				LIME				FH121			
Gels (l): 10/15/17 Calcium (ppm): 0.00								T606X			
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0								Jets			
HTHP (°F): 250 ES (mV): 541.0								3X22			
Cake (32nd"): 2.00 LGS (%): 5.00								7X18			
Solids (lbm/bbl): 59 Ex Lime (ppb): 4.7								Depth In (ft)			
ECD (ppg): 9.0 OWR: 72.0 / 28.0								6,690			
								Depth Out (ft)			
								7,356			
								Bit Rotations			
								15/20			
								On Btm Hrs Cum			
								7.00			
								Footage Cum (ft)			
								416			
								ROP Cum			
								45.0			
								WOB mm/mx (kip)			
								12 / 24			
								4 / 10			
								RPM rot/bit			
								15 / 20			
								20 / 30			
								Bit HP			
								0.30			
								HSI			
								0.27			
								PSI Drop (psi)			
								79.76			
								Jet Vel (ft/s)			
								99.52			
								Imp Force			
								160.31			
								Grading			
								I O D L B G O R			
								2 2 BT H E I CT DMF			
								Bit # 3			
MUD LOGGING											
Trip Gas (units): 888 @				BG Gas (units): 663				Surf to Surf:			
Conn Gas (units): 281 @				Pore Pressure: (%)				Lag Strokes:			
Form:								Lag Time: (min)			
BHA # 3						STRING LOADS					
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 6			
1	HUGHES T606X				8.750	1.00	1.00	Off Btm Torque: 4			
1	6 3/4" 1.83" 7/8 6.4 .31 RPG FBH M			1.750	6.750	31.05	32.05	Str. Wt. Up: 151			
1	UBHO SUB			3.250	6.687	2.28	34.33	Str. Wt. Down: 132			
1	NMDC			3.250	6.812	30.85	65.18	Str. Wt. Rot.: 128			
1	NMDC			2.875	6.750	30.72	95.90	Max Over Pull:			
1	5" DP			4.276	5.000	3,300.68	3,396.58				
1	DRILLING AGITATOR			3.250	6.750	12.99	3,409.57				
1	SHOCK SUB			3.250	6.750	10.85	3,420.42				
1	5" DP			4.276	5.000	7,078.60	10,499.02				
Total Length:							10,499.02				
BHA PROPERTIES											
BHA Hrs: 12											
Jar Hrs:											
Cum String Hours: 23											
Weight B Jars (kip):											
MUD PUMPS											
								#1			
								#2			
								#3			
Pump Type: DR								DR			
Liner ID: 6.00								6.00			
SPM: 60.00								60.00			
GPM: 259.10								259.10			
SPR: 1 SPM: 40.00								40.00			
Pressure: 420.00								405.00			
2 SPM: 60.00								60.00			
Pressure: 655.00								635.00			
T GPM (gpm): 460								SPP (psi): 1,600			
AV (DC): 315								AV (DP): 209			
SURVEYS											
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)	
7,185		60.50		179.40		7,064		-169.41		232.33	
7,217		64.90		179.70		7,079		-140.98		232.55	
7,248		68.40		180.80		7,091		-112.52		232.43	
7,278		71.10		181.10		7,102		-84.38		231.96	
7,309		74.50		181.00		7,111		-54.78		231.42	
7,333		77.40		181.30		7,117		-31.50		230.95	
7,364		81.20		181.70		7,122		-1.05		230.15	
7,427		87.70		179.10		7,128		61.61		229.72	
OPERATION DETAILS											
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION				
06:00	13:00	7.00	P	DRLPRD	09	DRLCRV	DRILLED 7,106' TO KOP @ 7,356'. (MOTOR LOCKED UP)				
14:00	19:30	5.50	P	DRLPRD	13	TRIP	POOH WET & L/D BHA.				
19:30	20:30	1.00	P	DRLPRD	13	TRIP	M/U LATERAL BHA & TIH TO SHOE.				
20:30	21:00	0.50	P	DRLPRD	12	RIGSVC	SERVICED RIG.				
21:00	01:00	4.00	P	DRLPRD	13	TRIP	TIH & WASHED TO BOTTOM @ 7,356'.				
01:00	02:00	1.00	P	DRLPRD	09	DRLCRV	DRILLING CURVE 7,356'-7,397'.				
02:00	06:00	4.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 7,397'-7,668'.				
Daily Operations Comments											
WORKING OFF DIRECTIONAL PLAN#1 KOP:6,690' START OF LATERAL:7,397'.											

EP ENERGY		Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH		Report Number: 007	
		Country: USA		State/OCSG: TEXAS		Report Date: 03/12/2014	
		Field/Permit#: WOLFCAMP EAST		Supervisors: JOE WILKERSON / BRANDON GREEN		Spud Date: 03/07/2014	
		Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY		Last BOP T.: 03/07/2014		DOL: 6 AFE Days: 10	
				Safety & Environmental Incident: No			
Depth md/tvd (ft): 10,499.02 / 7,108.47 Progress (ft): 2,831.01 ROP: 2,831.0 / 17.00 = 166.53 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,992.03				Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 21 Total Man Hours: 0.00			
Current Activity: DRILLING LATERAL @ 10,499'. TOTAL LATERAL: 3,102'. PTB 91.3 INC. 181.1 AZM. 4.8' BELOW. 2.6' LEFT. 24 Hr Summary: DRILL LATERAL 7,668'-10,499'. 7 HRS DOWNTIME REPAIRING WASHOUT ON STANDPIPE MANIFOLD. 24 Hr Forecast: DRILL LATERAL.							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING	
Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6:00 Oil Cnt (%): 71 Location: JCTION TANK H2O Cnt (%): 29 Pit Temp (°F): 109 Sand Cnt (%): 0.25 Depth (ft): 10,499.02 MBT (lbm/bbl): 0.0 Density (ppg): 9.10 pH: 0.0 FV (s/qt): 55 Pm (cc): 0.0 PV (cp): 14 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 13 Chloride (ppm): 0 Gels (l): 11/16/18 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 540.0 Cake (32nd"): 2.00 LGS (%): 7.00 Solids (lbm/bbl): 65 Ex Lime (ppb): 4.7 ECD (ppg): 9.6 OWR: 71.0 / 29.0		D M Cost(\$): \$4,051.70 C M Cost(\$): \$50,545.12 Mud Additives CALCIUM CHLORIDE PO 84 GELTONE V 5 DURATONE HT 1 TRANSPORTATION 206 BARABLOK 1 FUEL SURCHARGE 350 ENGINEER 33 SHRINK WRAP 8		Bit# 3 S/N 7149608 Size (in) 8.75 Mfg BAKER IADC Type T606X Model # 7X18 Jets 7,356 Depth In (ft) 30/62 Depth Out (ft) 22.00 Bit Rotations 624 On Btm Hrs Cum 28.4 Footage Cum (ft) 8 / 20 ROP Cum 30 / 62 WOB mm/mx (kip) / RPM rot/bit 0.86 Bit HP 0.49 HSI 89.00 PSI Drop (psi) 105.13 Jet Vel (ft/s) 279.41 Imp Force Grading I O D L B G O R Bit # 3		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 13.38 65.00 / 65.00 9.63 874.00 / 874.00 5.50 15,992.03 / 7,110.01	
MUD LOGGING		MUD LOGGING		MUD LOGGING		MUD LOGGING	
Trip Gas (units): 1,704 @ Conn Gas (units): 658 @ Form:		BG Gas (units): 709 Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)		Trip Gas (units): 1,704 @ Conn Gas (units): 658 @ Form:		BG Gas (units): 709 Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)	
BHA # 3		BHA # 3		BHA # 3		BHA # 3	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	String Loads	Mud Pumps
1	HUGHES T606X		8.750	1.00	1.00	On Btm Torque: 14,000	#1 #2 #3
1	6 3/4" 1.83" 7/8 6.4 .31 RPG FBH M	1.750	6.750	31.05	32.05	Off Btm Torque: 7,000	Pump Type: DR DR
1	UBHO SUB	3.250	6.687	2.28	34.33	Str. Wt. Up: 160	Liner ID: 6.00 6.00
1	NMDC	3.250	6.812	30.85	65.18	Str. Wt. Down: 84	SPM: 68.00 68.00
1	NMDC	2.875	6.750	30.72	95.90	Str. Wt. Rot.: 125	GPM: 293.64 293.64
1	5" DP	4.276	5.000	3,300.68	3,396.58	Max Over Pull: 20	SPR: 1 SPM: 60.00 40.00
1	DRILLING AGITATOR	3.250	6.750	12.99	3,409.57		Pressure: 895.00 560.00
1	SHOCK SUB	3.250	6.750	10.85	3,420.42		2 SPM: 40.00 60.00
1	5" DP	4.276	5.000	7,078.60	10,499.02		Pressure: 575.00 880.00
Total Length: 10,499.02						BHA PROPERTIES	
						BHA Hrs: 17	
						Jar Hrs: 22	
						Cum String Hours: 22	
						Weight B Jars (kip):	
SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
9,595	90.90	179.00	7,112	2,228.48	237.02	-2,229.11	2.66
9,689	89.30	178.60	7,112	2,322.45	238.99	-2,323.08	1.75
9,784	90.50	179.70	7,112	2,417.43	240.40	-2,418.07	1.71
9,879	89.80	180.40	7,112	2,512.43	240.32	-2,513.07	1.04
9,974	89.80	180.90	7,112	2,607.43	239.24	-2,608.06	0.53
10,068	89.10	180.40	7,113	2,701.42	238.17	-2,702.05	0.92
10,162	90.90	181.90	7,113	2,795.40	236.29	-2,796.03	2.49
10,257	90.70	182.00	7,111	2,890.34	233.05	-2,890.96	0.24
OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	07:00	1.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 7,668'-7,936'.
07:00	07:30	0.50	P	DRLPRD	12	RIGSVC	SERVICED RIG.
07:30	14:00	6.50	N	DRLPRD	45	RRCIRC	POOH ABOVE KOP & WORK PIPE WHILE REPAIRING WASHOUT ON STANDPIPE MANIFOLD. TIH.
14:00	06:00	16.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 7,936'-10,499'.
Daily Operations Comments							
WORKING OFF DIRECTIONAL PLAN#2 KOP:6,690' START OF LATERAL:7,397'.							

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JOE WILKERSON / BRANDON GREEN Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY				Report Number: 008 Report Date: 03/13/2014 Spud Date: 03/07/2014 Release Date: DFS: 6.00 DOL: 7 AFE Days: 10 Last BOP T.: 03/07/2014 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 13,326.03 / 7,085.33 Progress (ft): 2,827.01 ROP: 2,827.0 / 23.50 = 120.30 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,992.03				Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 21 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>161635/50791</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>115,897</td> <td>0</td> <td>0</td> <td>115,897</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>1,056,369</td> <td>0</td> <td>0</td> <td>1,056,369</td> </tr> <tr> <td>AFE(\$):</td> <td>1,804,600</td> <td>3,880,000</td> <td>345,000</td> <td>6,029,600</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	161635/50791				Day Cost(\$):	115,897	0	0	115,897	Cum Cost(\$)	1,056,369	0	0	1,056,369	AFE(\$):	1,804,600	3,880,000	345,000	6,029,600
	Drig	Comp	Fac	Total																																
AFE #:	161635/50791																																			
Day Cost(\$):	115,897	0	0	115,897																																
Cum Cost(\$)	1,056,369	0	0	1,056,369																																
AFE(\$):	1,804,600	3,880,000	345,000	6,029,600																																
Current Activity: DRILLING LATERAL @ 13,326' INC:90.9., AZM:180.9., ABOVE:5.5'. LEFT 14.2', TOTAL LATERAL: 5,929'. 24 Hr Summary: DRILL LATERAL. 10,499-13,326'. 24 Hr Forecast: DRILL LATERAL.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6:00 Oil Cnt (%): 72 Location: JCTION TANK H2O Cnt (%): 28 Pit Temp (°F): 109 Sand Cnt (%): 0.25 Depth (ft): 13,326.03 MBT (lbm/bbl): 0.0 Density (ppg): 9.20 pH: 0.0 FV (s/qt): 61 Pm (cc): 0.0 PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 15 Chloride (ppm): 0 Gels (l): 12/17/19 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 530.0 Cake (32nd"): 2.00 LGS (%): 7.00 Solids (lbm/bbl): 73 Ex Lime (ppb): 4.7 ECD (ppg): 9.6 OWR: 72.0 / 28.0		D M Cost(\$): \$7,526.73 C M Cost(\$): \$58,071.85 Mud Additives Used MILEAGE 175 LIME 39 GELTONE V 6 BARABLOK 6 DURATONE HT 6 CALCIUM CHLORIDE PO 168 INVERMUL 2 ENGINEER 1		Bit# 3 S/N 7149608 Size (in) 8.75 Mfg BAKER IADC Type T606X Model # Jets 7X18 Depth In (ft) 7,356 Depth Out (ft) Bit Rotations 45/62 On Btm Hrs Cum 45.50 Footage Cum (ft) 5,970 ROP Cum 131.2 WOB mm/mx (kip) 8 / 20 RPM rot/bit 45 / 62 Bit HP 0.88 HSI 0.50 PSI Drop (psi) 90.97 Jet Vel (ft/s) 105.13 Imp Force 285.62		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 13.38 65.00 / 65.00 9.63 874.00 / 874.00 5.50 15,992.03 / 7,110.01																														
MUD LOGGING				INVENTORY																																
Trip Gas (units): 0 @ Conn Gas (units) 1,131 @ Form:				BG Gas (units): 864 Pore Pressure: (%) Surf to Surf: Lag Strokes: (min) Lag Time: (min)																																
BHA # 3				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 17,000	#1																													
1	HUGHES T606X		8.750	1.00	1.00	Off Btm Torque: 8,000	#2																													
1	6 3/4" 1.83" 7/8 6.4 .31 RPG FBH M	1.750	6.750	31.05	32.05	Str. Wt. Up: 175	#3																													
1	UBHO SUB	3.250	6.687	2.28	34.33	Str. Wt. Down: 90																														
1	NMDC	3.250	6.812	30.85	65.18	Str. Wt. Rot.: 130																														
1	NMDC	2.875	6.750	30.72	95.90	Max Over Pull: 20																														
1	5" DP	4.276	5.000	3,300.68	3,396.58																															
1	DRILLING AGITATOR	3.250	6.750	12.99	3,409.57																															
1	SHOCK SUB	3.250	6.750	10.85	3,420.42																															
1	5" DP	4.276	5.000	7,078.60	10,499.02																															
Total Length: 10,499.02						BHA PROPERTIES																														
						BHA Hrs: 24																														
						Jar Hrs:																														
						Cum String Hours: 46																														
						Weight B Jars (kip):																														
String Loads Summary: On Btm Torque: 17,000 Off Btm Torque: 8,000 Str. Wt. Up: 175 Str. Wt. Down: 90 Str. Wt. Rot.: 130 Max Over Pull: 20																																				
Mud Pumps Summary: Pump Type: DR Liner ID: 6.00 SPM: 67.00 GPM: 289.32 SPR: 1 SPM: 0.00 Pressure: 0.00 2 SPM: 0.00 Pressure: 0.00																																				
T GPM (gpm): 570 SPP (psi): 3,700 AV (DC): 315 AV (DP): 209																																				
SURVEYS																																				
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
12,523	89.70	180.30	7,091	5,155.71	228.47	-5,156.33	2.05																													
12,618	91.10	180.20	7,091	5,250.71	228.06	-5,251.32	1.48																													
12,712	88.10	176.20	7,091	5,344.62	231.01	-5,345.25	5.32																													
12,807	90.90	178.20	7,092	5,439.48	235.65	-5,440.12	3.62																													
12,900	90.20	179.20	7,091	5,532.44	237.76	-5,533.09	1.31																													
12,994	90.90	181.00	7,090	5,626.44	237.60	-5,627.08	2.05																													
13,088	87.70	179.80	7,091	5,720.41	236.94	-5,721.05	3.64																													
13,182	92.40	181.70	7,091	5,814.38	235.71	-5,815.02	5.39																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG.																													
06:30	06:00	23.50	P	DRLPRD	10	DRLAT	DRILLED LATERAL 10,499'-13,326'.																													
Daily Operations Comments WORKING OFF DIRECTIONAL PLAN#4 KOP:6,690' START OF LATERAL:7,397'. NOTIFIED JEFF WHITE WITH UNIVERSITY LANDS OF PLANS ON MOVING TO UE 41-07 EH.																																				

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4716MH/OH

Report Number:

009

Country:

USA

Report Date:

03/14/2014

State/OCSG:

TEXAS

Spud Date:

03/07/2014

Field/Permit#:

WOLFCAMP EAST

DFS:

7.00

Release Date:

03/07/2014

Supervisors:

JOE WILKERSON / BRANDON GREEN

DOL:

8

Engineer/Manager:

ESPARZA, JESSE / EVANS, PERRY

Last BOP T.:

03/07/2014

Safety & Environmental Incident:

No

AFE Days:

10

Depth md/tvd (ft):

15,899.03 / 7,095.47

Progress (ft):

2,573.01

ROP:

2,573.0 / 23.50 = 109.49

Proposed TD (ft):

15,598.00

Next Csg Point (ft):

15,992.03

Rig:

SIDEWINDER/222

Rig Phone:

713-997-1245

RKB (ft):

2,677.01

Ground Level (ft):

2,652.0

POB:

21

Total Man Hours:

0.00

AFE #:

161635/50791

Day Cost(\$):

104,492

Cum Cost(\$):

1,160,861

AFE(\$):

1,804,600

Comp:

0

Fac:

0

Total:

104,492

Cum Cost(\$):

1,160,861

AFE(\$):

1,804,600

Comp:

3,880,000

Fac:

345,000

Total:

6,029,600

Current Activity:

DRILLING LATERAL @ 15,899' INC:89.6, AZM:178.4, ABOVE:11.2', LEFT 14.1', TOTAL LATERAL: 8,502'.

24 Hr Summary:

DRILL LATERAL 13,326'-15899.

24 Hr Forecast:

FINISH DRILLING LATERAL, C & C MUD, POOH L/D T/ BOC, CBU, POOH L/D D.P & BHA.

MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING			
Fluids Co.: HALLIBURTON				D M Cost(\$): \$6,601.97				Bit# 3				Size(in)			
Fluids Eng: JONATHAN MEEKS				C M Cost(\$): \$64,673.82				S/N 7149608'				MD(ft)/TVD(ft)			
Time: 6:00 Oil Cnt (%): 72				Mud Additives Used				Mfg 8.75				FIT LOT(ppg)			
Location: JCTION TANK H2O Cnt (%): 28				BAROID 41 1				Size (in) 8.75				13.38 65.00 / 65.00			
Pit Temp (°F): 125 Sand Cnt (%): 0.25				CALCIUM CHLORIDE PO 112				IADC Type 8				9.63 874.00 / 874.00			
Depth (ft): 15,899.03 MBT (lbm/bbl): 0.0				BARABLOK 8				Model # T606X				5.50 15,992.03 / 7,110.01			
Density (ppg): 9.15 pH: 0.0				GELTONE V 5				Jets 7X18							
FV (s/qt): 63 Pm (cc): 0.0				LIME 50				Depth In (ft) 7,356							
PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0				ENGINEER 1				Depth Out (ft) 45/62							
YP (lb/100ft²): 15 Chloride (ppm): 0				DURATONE HT 7				Bit Rotations 69.00							
Gels (l): 12/17/19 Calcium (ppm): 0.00				INVERMUL 2				On Btm Hrs Cum 8,543							
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0								Footage Cum (ft) 123.8							
HTHP (°F): 250 ES (mV): 542.0								ROP Cum 8 / 22							
Cake (32nd"): 2.00 LGS (%): 7.00								WOB mm/mx (kip) /							
Solids (lbm/bbl): 74 Ex Lime (ppb): 4.7								RPM rot/bit 45 / 62							
ECD (ppg): 10.0 OWR: 72.0 / 28.0								Bit HP 0.88							
								HSI 0.50							
								PSI Drop (psi) 90.97							
								Jet Vel (ft/s) 105.13							
								Imp Force 285.62							
								Grading I O D L B G O R							
								Bit # Bit # 3 1 2 CT G X 1 CT TD							

MUD LOGGING			
Trip Gas (units): 0 @	BG Gas (units): 700	Surf to Surf:	
Conn Gas (units): 890 @		Lag Strokes:	
Form:	Pore Pressure: (%)	Lag Time: (min)	

BHA # 3						STRING LOADS		MUD PUMPS			
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	17,000	#1	#2	#3	
1	HUGHES T606X		8.750	1.00	1.00	Off Btm Torque:	8,000	Pump	DR	DR	
1	6 3/4" 1.83" 7/8 6.4 .31 RPG FBH M	1.750	6.750	31.05	32.05	Str. Wt. Up:	175	Type:			
1	UBHO SUB	3.250	6.687	2.28	34.33	Str. Wt. Down:	90	Liner ID:	6.00	6.00	
1	NMDC	3.250	6.812	30.85	65.18	Str. Wt. Rot.:	130	SPM:	64.00	64.00	
1	NMDC	2.875	6.750	30.72	95.90	Max Over Pull:	20	GPM:	276.37	276.37	
1	5" DP	4.276	5.000	3,300.68	3,396.58			SPR:			
1	DRILLING AGITATOR	3.250	6.750	12.99	3,409.57			1 SPM:	40.00	40.00	
1	SHOCK SUB	3.250	6.750	10.85	3,420.42			Pressure:	875.00	840.00	
1	5" DP	4.276	5.000	12,579.62	16,000.03			2 SPM:	60.00	60.00	
Total Length:						16,000.03		Pressure:	1,165.00	1,148.00	
								T GPM (gpm):	570	SPP (psi):	3,700
								AV (DC):	315	AV (DP):	209

BHA PROPERTIES							
BHA Hrs:	24						
Jar Hrs:							
Cum String Hours:	69						
Weight B Jars (kip):							


SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
14,990	89.70	179.60	7,104	7,621.29	219.87	-7,621.89	1.65
15,085	90.50	181.00	7,104	7,716.28	219.38	-7,716.88	1.70
15,181	90.50	180.30	7,103	7,812.28	218.29	-7,812.87	0.73
15,276	92.30	180.30	7,101	7,907.24	217.79	-7,907.84	1.89
15,371	92.00	179.00	7,097	8,002.17	218.37	-8,002.77	1.40
15,466	89.50	175.90	7,096	8,097.04	222.60	-8,097.65	4.19
15,561	89.90	179.70	7,096	8,191.94	226.24	-8,192.56	4.02
15,657	90.60	180.40	7,096	8,287.94	226.16	-8,288.56	1.03

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG
06:30	06:00	23.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 13,326'-15,899'.

Daily Operations Comments

WORKING OFF DIRECTIONAL PLAN#6 KOP:6,690' START OF LATERAL:7,397'. NOTIFIED JEFF WHITE WITH UNIVERSITY LANDS OF PLANS ON MOVING TO UE 41-07 EH. ONE FLOORHAND SHORT.

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH				Report Number: 010									
				Country: USA				Report Date: 03/15/2014									
				State/OCSG: TEXAS				Spud Date: 03/07/2014									
				Field/Permit#: WOLFCAMP EAST				Release Date:									
				Supervisors: JOE WILKERSON / BRANDON GREEN				DFS: 8.00 DOL: 9 AFE Days: 10									
				Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY				Last BOP T.: 03/07/2014									
								Safety & Environmental Incident: No									
Depth md/tvd (ft): 16,000.03 / 7,094.32				Rig: SIDEWINDER/222				Drig				Comp		Fac		Total	
Progress (ft): 101.00				Rig Phone: 713-997-1245				AFE #:				161635/50791					
ROP: 101.0 / 1.50 = 67.33				RKB (ft): 2,677.01				Day Cost(\$):				87,658		0		87,658	
Proposed TD (ft): 15,598.00				Ground Level (ft): 2,652.0				Cum Cost(\$):				1,248,519		0		1,248,519	
Next Csg Point (ft): 15,992.03				POB: 32 Total Man Hours: 0.00				AFE(\$):				1,804,600		3,880,000		345,000 6,029,600	
Current Activity: RU CASING CREW. (TOTAL LATERAL 8,603'. PTB= 90.7 INC 180.9 AZM. 8,630' S, 225' W. 7,095' TVD. 8,629' VS. 14.8' ABOVE. 13.3' LEFT OF TARGET LINE)																	
24 Hr Summary: FINISH DRILLING LATERAL TO 16,000', C & C MUD, POOH L/D DP T/ BOC, CBU, POOH L/D D.P & BHA.																	
24 Hr Forecast: RU CSG CREW. RUN PROD CSG. RUPTURE DISK. CIRCULATE OUT AIR. CMT PROD CSG.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: HALLIBURTON				D M Cost(\$): \$8,168.20				Bit# 3				Size(in)					
Fluids Eng: JONATHAN MEEKS				C M Cost(\$): \$72,842.02				S/N 7149608'				MD(ft)/TVD(ft)					
Time: 6:00 Oil Cnt (%): 72				Mud Additives Used				Size (in) 8.75				65.00 / 65.00					
Location: JCTION TANK H2O Cnt (%): 28				CALCIUM CHLORIDE PO 84				Mfg 2				9.63					
Pit Temp ("F): 95				Sand Cnt (%): 0.25				IADC Type 9				15,992.03 / 7,110.01					
Depth (ft): 160,009.32				MBT (lbm/bbl): 0.0				Model # T606X									
Density (ppg): 9.05				pH: 0.0				Jets 7X18									
FV (s/qt): 60				Pm (cc): 0.0				Depth In (ft) 7,356									
PV (cp): 15				Pf (cc)/Mf (cc): 0.0 / 0.0				Depth Out (ft) 16,000									
YP (lb/100ft²): 15				Chloride (ppm): 0				Bit Rotations 45/62									
Gels (l): 12/17/19				Calcium (ppm): 0.00				On Btm Hrs Cum 70.50									
WL (cc/30min): 10.00				LCM (lbm/bbl): 0.0				Footage Cum (ft) 8,644									
HTHP ("F): 250				ES (mV): 590.0				ROP Cum 122.6									
Cake (32nd"): 2.00				LGS (%): 6.40				RPM rot/bit 45 / 62									
Solids (lbm/bbl): 64				Ex Lime (ppb): 4.7				Bit HP 0.72									
ECD (ppg): 9.2				OWR: 72.0 / 28.0				HSI 0.42									
								PSI Drop (psi) 80.15									
								Jat Vel (ft/s) 98.67									
								Imp Force 251.62									
MUD LOGGING																	
Trip Gas (units): 0 @				BG Gas (units): 700				Surf to Surf:									
Conn Gas (units): 890 @								Lag Strokes:									
Form:				Pore Pressure: (%)				Lag Time: (min)									
BHA # 3																	
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	STRING LOADS				MUD PUMPS					
1	HUGHES T606X				8.750	1.00	1.00	On Btm Torque: 17,000				#1 #2 #3					
1	6 3/4" 1.83" 7/8 6.4 .31 RPG FBH M			1.750	6.750	31.05	32.05	Off Btm Torque: 9,000				Pump DR DR					
1	UBHO SUB			3.250	6.687	2.28	34.33	Str. Wt. Up: 175				Type:					
1	NMDC			3.250	6.812	30.85	65.18	Str. Wt. Down: 90				Liner ID: 6.00 6.00					
1	NMDC			2.875	6.750	30.72	95.90	Str. Wt. Rot.: 130				SPM: 64.00 64.00					
1	5" DP			4.276	5.000	3,300.68	3,396.58	Max Over Pull: 20				GPM: 276.37 276.37					
1	DRILLING AGITATOR			3.250	6.750	12.99	3,409.57					SPR:					
1	SHOCK SUB			3.250	6.750	10.85	3,420.42					1 SPM: 0.00 0.00					
1	5" DP			4.276	5.000	12,579.62	16,000.03					Pressure: 0.00 0.00					
Total Length: 16,000.03							BHA PROPERTIES				2 SPM: 0.00 0.00						
							BHA Hrs: 2				Pressure: 0.00 0.00						
							Jar Hrs:										
							Cum String Hours: 71										
							Weight B Jars (kip):										
T GPM (gpm): 535 SPP (psi): 3,700																	
AV (DC): 315 AV (DP): 209																	
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
15,276		92.30		180.30		7,101		7,907.24		217.79		-7,907.84		1.89			
15,371		92.00		179.00		7,097		8,002.17		218.37		-8,002.77		1.40			
15,466		89.50		175.90		7,096		8,097.04		222.60		-8,097.65		4.19			
15,561		89.90		179.70		7,096		8,191.94		226.24		-8,192.56		4.02			
15,657		90.60		180.40		7,096		8,287.94		226.16		-8,288.56		1.03			
15,752		89.60		178.40		7,096		8,382.92		227.15		-8,383.55		2.35			
15,847		90.20		180.70		7,096		8,477.91		227.90		-8,478.54		2.50			
15,942		90.70		180.90		7,095		8,572.90		226.57		-8,573.53		0.57			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	SERVICED RIG.										
06:30	08:00	1.50	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 15,899'-16,000'. (TOTAL LATERAL 8,603'. PTB= 90.7 INC 180.9 AZM. 8,630' S, 225' W. 7,095' TVD. 8,629' VS. 14.8' ABOVE. 13.3' LEFT OF TARGET LINE)										
08:00	12:00	4.00	P	DRLPRD	15	CIRC	C&C MUD @ 660 GPM WHILE RECIPROCATING PIPE 90', & ROTATING 70 RPM. HOLD PJSM & RU LD MACHINE. FLOW CHECK, WELL STATIC, PUMPED SLUG.										
12:00	18:00	6.00	P	DRLPRD	14	PULDSTR	POOH L/D DP TO 7,600'.										
18:00	19:00	1.00	P	DRLPRD	15	CIRC	CIRCULATE HOLE CLEAN @ BASE OF CURVE. FLOW CHECK, WELL STATIC, PUMPED SLUG.										
19:00	03:30	8.50	P	DRLPRD	14	PULDSTR	POOH L/D DP & BHA. L/D ONE STAND 6 1/2" DC FROM DERRICK. CLEAR RIG FLOOR.										
03:30	05:30	2.00	P	CASPRD1	23	RAMBLCK	INSTALL CASING RAMS & LONG CASING BAILES.										
05:30	06:00	0.50	P	CASPRD1	24	RUNCAS	PJSM. RU TO RUN PRODUCTION CASING.										
Daily Operations Comments																	
KOP: 6,690' START OF LATERAL: 7,397'. ONE FLOORHAND SHORT. NOTIFIED TRRC SHAKA 3-14-15 @ 17:18 WITH PLANS TO RUN CSG & CMT.																	

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JOE WILKERSON / BRANDON GREEN Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY		Report Number: 011 Report Date: 03/16/2014 Spud Date: 03/07/2014 Release Date: DFS: 9.00 DOL: 10 AFE Days: 10 Last BOP T.: 03/07/2014 Safety & Environmental Incident: No																										
Depth md/tvd (ft): 16,000.03 / 7,094.32 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,992.03				Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 55 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 #: 161635/50791</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 474,842</td> <td>0</td> <td>0</td> <td></td> <td>474,842</td> </tr> <tr> <td>Cum Cost(\$) 1,585,677</td> <td>0</td> <td>0</td> <td></td> <td>1,585,677</td> </tr> <tr> <td>AFE(\$): 1,804,600</td> <td>3,880,000</td> <td>345,000</td> <td></td> <td>6,029,600</td> </tr> </tbody> </table>			Drig	Comp	Fac	Total	AFE #: 161635/50791					Day Cost(\$): 474,842	0	0		474,842	Cum Cost(\$) 1,585,677	0	0		1,585,677	AFE(\$): 1,804,600	3,880,000	345,000		6,029,600
	Drig	Comp	Fac	Total																												
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Cum Cost(\$) 1,585,677	0	0		1,585,677																												
AFE(\$): 1,804,600	3,880,000	345,000		6,029,600																												
Current Activity: SET CSG SLIPS. 24 Hr Summary: RU CSG CREW. RUN PROD CSG. RUPTURE DISK. CIRCULATE OUT AIR. 1.5 HRS WAIT ON HES. CMT PROD CSG. FLUSH SURFACE EQUIPMENT. N/D BOP & SET SLIPS. 24 Hr Forecast: CUT CASING & ND BOP. INSTALL TA CAP & RELEASE RIG.																																
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																										
Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6:00 Oil Cnt (%): 72 Location: ICTION TANK H2O Cnt (%): 28 Pit Temp ("F): 93 Sand Cnt (%): 0.25 Depth (ft): 16,000.03 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 60 Pm (cc): 0.0 PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft³): 14 Chloride (ppm): 0 Gels (l): 11/16/18 Calcium (ppm): 0.00 WL (cc/30min): 10.80 LCM (lbm/bbl): 0.0 HTHP ("F): 250 ES (mV): 528.0 Cake (32nd"): 2.00 LGS (%): 6.40 Solids (lbm/bbl): 63 Ex Lime (ppb): 4.1 ECD (ppg): 9.0 OWR: 72.0 / 28.0		D M Cost(\$): \$5,121.98 C M Cost(\$): \$66,727.94 Mud Additives Used RIG WASH 1 ENGINEER 5 OIL ABSORBENT CLAY 1		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		Size(in) MD(ft)/TVD(ft) FT/LOT(ppg) 13.38 65.00 / 65.00 9.63 874.00 / 874.00 5.50 15,992.03 / 7,110.01																										
				INVENTORY																												
				Item MUD DIESEL DIESEL		Inv 1,871 5,557																										
				SOLIDS CONTROL																												
				Skr 1 100/// 2 100///		Deck 1 Screens Deck 2 Screens																										
MUD LOGGING																																
Trip Gas (units): 0 @ Conn Gas (units): 890 @ Form:		BG Gas (units): 700 Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading Bit # Bit #																										
				MUD PUMPS																												
				#1 #2 #3		Pump Type: Liner ID: SPM: GPM: SPR: 1 SPM: Pressure: 2 SPM: Pressure:																										
				T GPM (gpm): AV (DC): 315		SPP (psi): AV (DP): 209																										
SURVEYS																																
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																									
15,276	92.30	180.30	7,101	7,907.24	217.79	-7,907.84	1.89																									
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15,942	90.70	180.90	7,095	8,572.90	226.57	-8,573.53	0.57																									
OPERATION DETAILS																																
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																									
06:00	17:00	11.00	P	CASPRD1	24	RUNCAS	RUN 346 JOINTS 5 1/2" 17# HC-P110 LTC PRODUCTION CASING TO 16,000'. 69 CENTRALIZERS PLACED E/3RD JT TO KOP. MARKERS @ 11,662', 7,390', 6,686'. ORIO @ 15,911', FLOATATION COLLAR @ 7,197', LANDING COLLAR @ 15,953'.																									
17:00	19:30	2.50	P	CASPRD1	15	CIRC	RUPTER DISK W/2,500 PSI & CIRCULATE OUT AIR.																									
19:30	21:00	1.50	N	CASPRD1	65	WOEP	CIRCULATE @ 8BPM W/750 PSI WHILE WAITING ON HES TO OFFLOAD CEMENT TO BINS. HOLD PJSM.																									
21:00	01:00	4.00	P	CASPRD1	25	PRIMECEM	SWITCH LINES TO HALLIBURTON. BREAK CIRCULATION. TEST LINES TO 8K. PUMP 40 BBL 11PPG TUNNED SPACER. PUMPED 670 SX VERSACEM-H LEAD CMT. 11.5 PPG YIELD 2.55 (304 BBLs) TAILED WITH 1,855 SX VERSACEM-H CMT 14.4 PPG YIELD 1.27 (419 BBLs) WASH LINES. DROP TOP PLUG. DISPLACE WITH 371 BBLs 2% CLAY WEB. BUMP PLUG WITH 500 PSI OVER TO 2,424 PSI. BLEED BACK 3.5 BBLs. FLOATS HELD. FULL RETURNS WHILE CEMENTING. CIP @ 01:00 HRS 3/16/2014. 14 BBLs SPACER BACK TO SURFACE. WELL STATIC.																									
01:00	02:30	1.50	P	CASPRD1	29	NDBOPE	WASH THROUGH SURFACE EQUIPMENT. RD HES.																									
02:30	06:00	3.50	P	CASPRD1	29	NDBOPE	ND BOPS. SET SLIPS W/95K.																									
Daily Operations Comments																																
KOP:6,690' START OF LATERAL:7,397'. ONE FLOORHAND SHORT. NOTIFIED TRRC SHAKA 3-14-15 @ 17:18 WITH PLANS TO RUN CSG & CMT.																																

Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4716MH/OH		Report Number: 012 Report Date: 03/17/2014 Spud Date: 03/07/2014 Release Date: DFS: 10.00 DOL: 11 AFE Days: 10 Last BOP T.: 03/07/2014 Safety & Environmental Incident: No	
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JOE WILKERSON / BRANDON GREEN Engineer/Manager: ESPARZA, JESSE / EVANS, PERRY			

Depth md/tvd (ft): 16,000.03 / 7,094.32 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,598.00 Next Csg Point (ft): 15,992.03	Rig: SIDEWINDER/222 Rig Phone: 713-997-1245 RKB (ft): 2,677.01 Ground Level (ft): 2,652.0 POB: 29 Total Man Hours: 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>AFE #: 161635/50791</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 65,988</td> <td></td> <td>0</td> <td>0</td> <td>65,988</td> </tr> <tr> <td>Cum Cost(\$) 1,651,665</td> <td></td> <td>0</td> <td>0</td> <td>1,651,665</td> </tr> <tr> <td>AFE(\$): 1,804,600</td> <td></td> <td>3,880,000</td> <td>345,000</td> <td>6,029,600</td> </tr> </table>		Drig	Comp	Fac	Total	AFE #: 161635/50791					Day Cost(\$): 65,988		0	0	65,988	Cum Cost(\$) 1,651,665		0	0	1,651,665	AFE(\$): 1,804,600		3,880,000	345,000	6,029,600
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AFE(\$): 1,804,600		3,880,000	345,000	6,029,600																							

Current Activity: RIGGING DOWN & CLEANING RIG.
 24 Hr Summary: INSTALL TA CAP. RELEASED RIG @ 08:00, CLEAN RIG & RIG DOWN.
 24 Hr Forecast: RIG DOWN & CLEAN RIG.

MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING		
Fluids Co.: HALLIBURTON Fluids Eng: JONATHAN MEEKS Time: 6:00 Oil Cnt (%): 72 Location: JCTION TANK H2O Cnt (%): 28 Pit Temp (°F): 0 Sand Cnt (%): 0.25 Depth (ft): 16,000.03 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 60 Pm (cc): 0.0 PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 14 Chloride (ppm): 0 Gels (l): 11/16/18 Calcium (ppm): 0.00 WL (cc/30min): 10.80 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 528.0 Cake (32nd): 2.00 LGS (%): 6.40 Solids (lbm/bbl): 63 Ex Lime (ppb): 4.1 ECD (ppg): 9.0 OWR: 72.0 / 28.0		D M Cost(\$): \$0.00 C M Cost(\$): \$66,727.94 Mud Additives Used		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		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 13.38 65.00 / 65.00 9.63 874.00 / 874.00 5.50 15,992.03 / 7,110.01		
MUD LOGGING						INVENTORY		
Trip Gas (units): 0 @ Conn Gas (units): 890 @ Form:		BG Gas (units): 700 Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		Item MUD DIESEL DIESEL Inv 1,871 5,200		
SURVEYS						SOLIDS CONTROL		
						Skr Deck 1 Screens Deck 2 Screens 1 100// 2 100//		

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): 315		AV (DP): 209	

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	08:00	2.00	P	CASPRD1	27	TSTWHEQ	CUT CASING & INSTALL TA CAP.
08:00	06:00	22.00	P	RDMO	02	RDMO	CLEAN RIG & RIG DOWN. RIG RELEASED @ 08:00.

Daily Operations Comments
 ONE FLOORHAND SHORT.