



Fuel						
FUEL TYPE	VENDOR	BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING
Diesel	Fuel Source	1,000	898	1,898	198	1,700

SAFETY MEETING / JOB SAFETY ANALYSIS		
	DAYLIGHT TOUR	EVENING TOUR
TOPIC	RUN CASING	0
JSA	PINCH POINTS	0
STOP CARDS	0	0
NEAR MISSES	0	0

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4416CH/OH

Country:

USA

State/OCSG

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

JEFF WEST / DAVID WALDRUM

Engineer/Manager:

BAKER, BRENT / EVANS PERRY

Report Number:

002

Report Date:

05/04/2014

Spud Date:

Release Date:

DFS:

DOL: 2

AFE Days:

12

Last BOP T.:

Safety & Environmental Incident:

No

Depth md/tvd (ft):

995.00 / 994.87

Progress (ft):

0.00

ROP:

0.0 / = 0.00

Proposed TD (ft):

15,254.00

Next Csg Point (ft):

15,254.03

Rig:

SIDEWINDER/221

Rig Phone:

713-997-1295

RKB (ft):

2,711.01

Ground Level (ft):

2,686.0

POB:

27

Total Man Hours:

0.00

AFE #:

Day Cost(\$):

293,056

Cum Cost(\$):

317,075

AFE(\$):

1,826,598

Drig

160544/51175

Comp

0

Fac

0

Total

293,056

317,075

5,932,098

Current Activity:

NIPPLE UP BOPE

24 Hr Summary:

MIRU, NU BOPE.

24 Hr Forecast:

NU BOPE, TEST BOPE, FINISH NIPPLE UP FLOWLINE AND MUD LINES.

MUD PROPERTIES

Fluids Co.:

Fluids Eng:

Time:

Location:

Pit Temp:

Depth (ft):

Density:

FV:

PV:

YP:

Gels:

WL:

HTHP:

Cake:

Solids:

ECD:

Oil Cnt:

H2O Cnt:

Sand Cnt:

MBT:

pH:

Pm:

PtMf:

Chloride:

Calcium:

LCM:

ES (mV):

LGS:

Ex Lime (ppb):

OWR:

MUD MATERIALS

D M Cost(\$):

C M Cost(\$):

Mud Additives

Used

ENGINEER 24 HOURS

DURATONE HT

CALCIUM CHLORIDE PO

OIL ABSORBANT

LIME

GELTONE

BAROID

BARABLOK

DRILLTREAT

1

204

14

37

110

23

22

25

5

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 mn/mx (kip)

RPM rot/bit

Bit HP

HSI

PSI Drop (psi)

Jet Vel (ft/s)

Imp Force

/

/

/

CASING

Size(in)

MD(ft)/TVD(ft)

Fit/LOT(ppg)

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

/

INVENTORY

Item

Inv

DIESEL

12,657

MUD DIESEL

4,588

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units):

@

BG Gas (units):

@

Conn Gas (units)

@

Form:

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

Grading

I O D L B G O R

Bit #

Bit #

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):

AV (DP):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

225

0.81

88.93

225

-0.22

1.95

0.19

0.19

325

0.99

89.33

325

-0.26

3.52

0.22

0.18

425

0.84

102.54

425

-0.12

5.10

0.07

0.26

525

1.11

111.82

525

0.38

6.71

-0.45

0.31

625

0.93

102.97

625

0.90

8.41

-0.99

0.24

725

0.93

97.92

725

1.18

10.00

-1.29

0.08

825

1.15

96.75

825

1.39

11.80

-1.52

0.22

959

1.10

84.90

959

1.40

14.42

-1.56

0.18

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

21:30

02:00

4.50

P

MIRU

01

MIRU

WALK RIG TO UNIVERSITY EAST 44 16 CH. (WALKING JACK PUSHED THROUGH MATING BOARD. MATING BOARD HAD TO BE REPLACED).

02:00

06:00

4.00

P


CASPRD1


28

NUBOPE

NU BOPE

Daily Operations Comments

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: JEFF WEST / DAVID WALDRUM Engineer/Manager: BAKER, BRENT / EVANS PERRY				Report Number: 003 Report Date: 05/05/2014 Spud Date: Release Date: DFS: 0.00 DOL: 3 AFE Days: 12 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 1,551.00 / 1,550.85 Progress (ft): 556.00 ROP: 556.0 / 4.50 = 123.56 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,254.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,886.0 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 #:</td> <td>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>93,427</td> <td>0</td> <td>0</td> <td>93,427</td> </tr> <tr> <td>Cum Cost(\$):</td> <td>410,502</td> <td>0</td> <td>0</td> <td>410,502</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	93,427	0	0	93,427	Cum Cost(\$):	410,502	0	0	410,502	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098
	Drig	Comp	Fac	Total																																
AFE #:	160544/51175																																			
Day Cost(\$):	93,427	0	0	93,427																																
Cum Cost(\$):	410,502	0	0	410,502																																
AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																																
Current Activity: DRILL SIDE BUILD @ 1,551' (PTB = 1,551', TVD1,550.83', INC .70°, AZM 85.6°, 3.1' BEHIND, 2.4 RIGHT, VS .58') SPUD WELL @ 01:30 5/5/2014 24 Hr Summary: NU BOPE. TEST BOPE. FINISH NIPPLE UP FLOWLINE AND MUD LINES. SLIP AND CUT DRILLING LINE. PJSM. PU BHA # 1. TIH. TAG CEMENT @ 952'. DRILL FLOAT EQUIPMENT. DRILL SIDE BUILD F/ 995' TO 1,551'. 24 Hr Forecast: DRILL SIDE BUIL																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 6:00 Oil Cnt (%): 67 Location: ICTION TANK H2O Cnt (%): 22 Pit Temp ("F): 88 Sand Cnt: Depth (ft): 1,520.00 MBT: Density (ppg): 9.10 pH: FV (s/qt): 54 Pm: PV (cp): 20 P/Mf: YP (lb/100ft²): 15 Chloride: Gels (): 11/18/21 Calcium: WL: 8.90 LCM: HTHP ("F): 250 ES (mV): 385.0 Cake: 2.00 LGS (%): 7.50 Solids (lbm/bbl): 68 Ex Lime (ppb): 4.6 ECD (ppg): 9.0 OWR: 75.0 / 25.0		D M Cost(\$): \$900.00 C M Cost(\$): \$13,088.63 Mud Additives ENGINEER 24 HOURS 1		Bit# 1 S/N 7150796 Size (in) HUGHES Mfg IADC Type Model # T606X Jets 6X14 Depth In (ft) 995 Depth Out (ft) Bit Rotations 60/60 On Btm Hrs Cum 4.50 Footage Cum (ft) 556 ROP Cum 123.6 WOB mm/mx (kip) / 12 / 20 RPM rot/bit / 60 / 60 Bit HP 0.00 HSI 0.00 PSI Drop (psi) 0.00 Jet Vel (ft/s) 0.00 Imp Force 0.00		Size(in) MD(ft)/TVD(ft) FT/LOT(ppg) 9.63 995.00 / 995.00 5.50 15,254.03 / 6,890.01 / INVENTORY Item Inv DIESEL 13,005 MUD DIESEL 9,680 SOLIDS CONTROL Skr Deck 1 Screens Deck 2 Screens 1 50/// 2 50///																														
MUD LOGGING																																				
Trip Gas (units): @ BG Gas (units): Conn Gas (units) @ Form: Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading I O D L B G O R Bit # Bit # 1																																
BHA # 1				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 3,300																														
1	X- OVER	2.000	6.000	3.33	3.33	Off Btm Torque: 1,680																														
3	STEEL DRILL COLLARS	2.000	6.000	87.63	90.96	Str. Wt. Up: 78																														
1	X- OVER SUB	3.000	6.000	3.12	94.08	Str. Wt. Down: 72																														
1	NON MAG DRILL COLLAR	2.000	6.000	29.35	123.43	Str. Wt. Rot.: 75																														
1	NON MAG DRILL COLLAR	3.000	6.000	31.03	154.46	Max Over Pull:																														
1	UBHO SUB	2.000	6.000	4.10	158.56																															
1	6 3/4" 7/8, 5.0, 8 1/2" STAB, B-B 5.0	1.000	6.000	26.41	184.97																															
1	BIT		8.000	1.00	185.97																															
Total Length:					185.97																															
				BHA PROPERTIES																																
				BHA Hrs: 5																																
				Jar Hrs:																																
				Cum String Hours: 5																																
				Weight B Jars (kip):																																
						Pump #1 #2 #3 Type: DR DR Liner ID: 6.00 6.00 SPM: 65.00 65.00 GPM: 272.09 272.09 SPR: 1 SPM: 0.00 0.00 Pressure: 0.00 0.00 2 SPM: 0.00 0.00 Pressure: 0.00 0.00 T GPM (gpm): 600 SPP (psi): 1,927 AV (DC): AV (DP):																														
SURVEYS																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
525	1.11	111.82	525	0.38	6.71	-0.45	0.31																													
625	0.93	102.97	625	0.90	8.41	-0.99	0.24																													
725	0.93	97.92	725	1.18	10.00	-1.29	0.08																													
825	1.15	96.75	825	1.39	11.80	-1.52	0.22																													
959	1.10	84.90	959	1.40	14.42	-1.56	0.18																													
1,094	0.70	83.60	1,094	1.17	16.53	-1.35	0.30																													
1,190	0.50	78.20	1,190	1.01	17.52	-1.20	0.22																													
1,284	0.70	85.60	1,284	0.87	18.49	-1.07	0.23																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	10:30	4.50	P	CASSURF	28	NUBOPE	HPJSM WITH HYDROSTATIC CREW, NU BOP, CHOKE LINE, HYDRALIC LINES & INSTALL PIPE RAMS																													
10:30	18:00	7.50	P	CASSURF	19	TEST	HPJSM, TEST BOP, BLINDS, KILL LINE VALVES, HCR & 4" MANUAL, 250 PSI LOW & 5000 PSI HIGH, TEST ANNULAR 250 PSI LOW & 3500 PSI HIGH 5 MINUTES EACH, TEST ALL GOOD, TEST CHOKE MANIFOLD 250 PSI LOW & 5000 PSI HIGH TEST GOOD. TEST CASING TO 1500PSI HIGH AND 250 LOW FOR 30 MINUTES.																													
18:00	19:00	1.00	P	CASSURF	42	OTHER	INSTALL BAILES AND ELEVATORS																													
19:00	21:00	2.00	P	CASSURF	17	CUTSLIP	SLIP AND CUT 149' DRILLING LINE																													
21:00	21:30	0.50	P	CASSURF	41	SFTYMTG	PJSM AND CALIBRATE BLOCK HEIGHT AND WEIGHTS																													
21:30	00:30	3.00	P	CASSURF	13	TRIP	PU BHA # 1 AND TIH																													
00:30	01:00	0.50	P	CASSURF	15	CIRC	DISPLACE WATER OUT OF HOLE																													
01:00	01:30	0.50	P	DRLPRD	07	DRLVERT	DRILL FLOAT EQUIPMENT AND CEMENT																													
01:30	06:00	4.50	P	DRLPRD	08	DRLDIR	DRILL SIDE BUILD F/ 995' TO 1,551'.																													
Daily Operations Comments 6 3/4" 7/8, 5.0, 8 1/2" STAB, B-B 5.02 .29 REV/GAL.FLOW 300 - 600, BIT- SUR 46'. SPUD WELL @ 01:30 5/5/2014																																				

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JEFF WEST / DAVID WALDRUM Engineer/Manager: BAKER, BRENT / EVANS PERRY				Report Number: 004 Report Date: 05/06/2014 Spud Date: Release Date: DFS: 1.00 DOL: 4 AFE Days: 12 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No																																																											
Depth md/tvd (ft): 5,007.01 / 4,990.92 Progress (ft): 3,456.01 ROP: 3,456.0 / 23.50 = 147.06 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,254.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,686.0 POB: 26 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>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>78,069</td> <td>0</td> <td>0</td> <td>78,069</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>488,571</td> <td>0</td> <td>0</td> <td>488,571</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	78,069	0	0	78,069	Cum Cost(\$)	488,571	0	0	488,571	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																															
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Current Activity: DRILL SIDE BUILD @ 5,007' (PTB = 5,007', TVD 4,989', INC 5.7°, AZM 295.10°, 12.9' AHEAD, 14.9 RIGHT, VS -147.40') 24 Hr Summary: DRILL SIDE BUILD F/ 1,551' TO 5,007'. 24 Hr Forecast: DRILL SIDE BUILD. C&CMUD. POOH. LD BHA # 1. PU CURVE BHA.																																																																			
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																																													
Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 16:00 Oil Cnt (%): 67 Location: JCTION TANK H2O Cnt (%): 24 Pit Temp (°F): 89 Sand Cnt: Depth (ft): 3,103.01 MBT: Density (ppg): 9.10 pH: FV (s/qt): 55 Pm: PV (cp): 18 P#Mf: YP (lbf/100ft²): 16 Chloride: Gels (l): 14/19/22 Calcium: WL: 8.90 LCM: HTHP (°F): 250 ES (mV): 423.0 Cake: 2.00 LGS (%): 6.00 Solids (lbm/bbl): 56 Ex Lime (ppb): 3.6 ECD (ppg): 9.0 OWR: 73.0 / 27.0		D M Cost(\$): \$9,149.94 C M Cost(\$): \$22,238.57 Mud Additives Used EZ MUL 1 DRILLTREAT 2 GELTONE 40 FUEL SURCHARGE .60 370 SHRINK WRAP 13 PALLETS 13 BAROID RIG WASH 2 LIME 20 ENGINEER 24 HOURS 1 TRANSPORTATION 388 CALCIUM CHLORIDE PO 56		Bit# 1 S/N 7150796 Size (in) 8.75 Mfg HUGHES IADC Type TX20105 Model # T606X Jets 6X14 Depth In (ft) 995 Depth Out (ft) 6,475 Bit Rotations 45/60 On Btm Hrs Cum 28.00 Footage Cum (ft) 4,012 ROP Cum 143.3 WOB mm/mx (kip) 15 / 25 RPM rot/bit 45 / 60 Bit HP 0.00 HSI 0.00 PSI Drop (psi) 0.00 Jet Vel (ft/s) 0.00 Imp Force 0.00		Size(in) 9.63 MD(ft)/TVD(ft) 995.00 / 15,254.03 FIT LOT(ppg) 995.00 / 6,890.01																																																													
MUD LOGGING				INVENTORY																																																															
Trip Gas (units): @ BG Gas (units): Conn Gas (units): @ Form: Pore Pressure: (%) Lag Time: (min)				Item DIESEL 11,407 MUD DIESEL 5,537 Inv																																																															
BHA # 1				SOLIDS CONTROL																																																															
<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>X- OVER</td><td>2.000</td><td>6.000</td><td>3.33</td><td>3.33</td></tr> <tr><td>3</td><td>STEEL DRILL COLLARS</td><td>2.000</td><td>6.000</td><td>87.63</td><td>90.96</td></tr> <tr><td>1</td><td>X- OVER SUB</td><td>3.000</td><td>6.000</td><td>3.12</td><td>94.08</td></tr> <tr><td>1</td><td>NON MAG DRILL COLLAR</td><td>2.000</td><td>6.000</td><td>29.35</td><td>123.43</td></tr> <tr><td>1</td><td>NON MAG DRILL COLLAR</td><td>3.000</td><td>6.000</td><td>31.03</td><td>154.46</td></tr> <tr><td>1</td><td>UBHO SUB</td><td>2.000</td><td>6.000</td><td>4.10</td><td>158.56</td></tr> <tr><td>1</td><td>6 3/4" 7/8, 5.0, 8 1/2" STAB, B-B 5.0</td><td>1.000</td><td>6.000</td><td>26.41</td><td>184.97</td></tr> <tr><td>1</td><td>BIT</td><td></td><td>8.000</td><td>1.00</td><td>185.97</td></tr> <tr><td colspan="5">Total Length:</td><td>185.97</td></tr> </tbody> </table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	X- OVER	2.000	6.000	3.33	3.33	3	STEEL DRILL COLLARS	2.000	6.000	87.63	90.96	1	X- OVER SUB	3.000	6.000	3.12	94.08	1	NON MAG DRILL COLLAR	2.000	6.000	29.35	123.43	1	NON MAG DRILL COLLAR	3.000	6.000	31.03	154.46	1	UBHO SUB	2.000	6.000	4.10	158.56	1	6 3/4" 7/8, 5.0, 8 1/2" STAB, B-B 5.0	1.000	6.000	26.41	184.97	1	BIT		8.000	1.00	185.97	Total Length:					185.97	On Btm Torque: 12,500 Off Btm Torque: 6,100 Str. Wt. Up: 137 Str. Wt. Down: 127 Str. Wt. Rot.: 129 Max Over Pull: BHA PROPERTIES BHA Hrs: 24 Jar Hrs: Cum String Hours: 28 Weight B Jars (kip):			
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)																																																														
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				<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>DR</td><td>DR</td><td></td></tr> <tr><td>Liner ID:</td><td>6.00</td><td>6.00</td><td></td></tr> <tr><td>SPM:</td><td>54.00</td><td>54.00</td><td></td></tr> <tr><td>GPM:</td><td>226.05</td><td>226.05</td><td></td></tr> <tr><td>SPR:</td><td></td><td></td><td></td></tr> <tr><td>1 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr> <tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr> <tr><td>2 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr> <tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr> <tr><td colspan="4">T GPM (gpm): 600 SPP (psi): 2,300</td></tr> <tr><td colspan="4">AV (DC): AV (DP):</td></tr> </tbody> </table>					#1	#2	#3	Pump Type:	DR	DR		Liner ID:	6.00	6.00		SPM:	54.00	54.00		GPM:	226.05	226.05		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00		T GPM (gpm): 600 SPP (psi): 2,300				AV (DC): AV (DP):															
	#1	#2	#3																																																																
Pump Type:	DR	DR																																																																	
Liner ID:	6.00	6.00																																																																	
SPM:	54.00	54.00																																																																	
GPM:	226.05	226.05																																																																	
SPR:																																																																			
1 SPM:	0.00	0.00																																																																	
Pressure:	0.00	0.00																																																																	
2 SPM:	0.00	0.00																																																																	
Pressure:	0.00	0.00																																																																	
T GPM (gpm): 600 SPP (psi): 2,300																																																																			
AV (DC): AV (DP):																																																																			
SURVEYS																																																																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)																																																													
1,190		0.50		78.20		1,190																																																													
1,284		0.70		85.60		1,284																																																													
1,379		0.50		89.10		1,379																																																													
1,474		0.20		37.20		1,474																																																													
1,569		0.40		54.30		1,569																																																													
1,664		0.50		95.50		1,664																																																													
1,759		0.80		292.20		1,759																																																													
1,854		1.20		291.30		1,854																																																													
V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																																																													
1.01		17.52		-1.20		0.22																																																													
0.87		18.49		-1.07		0.23																																																													
0.81		19.49		-1.02		0.21																																																													
0.67		20.00		-0.89		0.43																																																													
0.34		20.37		-0.56		0.23																																																													
0.17		21.05		-0.41		0.35																																																													
-0.03		20.85		-0.19		1.35																																																													
-0.63		19.31		0.42		0.42																																																													
OPERATION DETAILS																																																																			
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																																												
06:00	18:30	12.50	P	DRLPRD	08	DRLDIR	DRILL SIDE BUILD F/ 1,551 T/ 3,486'.																																																												
18:30	19:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG																																																												
19:00	06:00	11.00	P	DRLPRD	08	DRLDIR	DRILL SIDE BUILD F/ 3,486 TO 5,007'.																																																												
Daily Operations Comments																																																																			
6 3/4" 7/8, 5.0, 8 1/2" STAB, B-B 5.02 .29 REV/GAL_FLOW 300 - 600, BIT- SUR 46'.																																																																			

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4416CH/OH

Report Number:

005

Country:

USA

Report Date:

05/07/2014

State/OCSG:

TEXAS

Spud Date:

Field/Permit#:

WOLFCAMP EAST

Release Date:

Supervisors:

JEFF WEST / DAVID WALDRUM

DFS: 2.00

DOL: 5

AFE Days: 12

Engineer/Manager:

BAKER, BRENT / EVANS PERRY

Last BOP T.:

05/04/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

6,475.01 / 6,458.77

Progress (ft):

1,468.00

ROP:

1,468.0 / = 0.00

Proposed TD (ft):

15,254.00

Next Csg Point (ft):

15,254.03

Rig:

SIDEWINDER/221

Rig Phone:

713-997-1295

RKB (ft):

2,711.01

Ground Level (ft):

2,686.0

POB:

27

Total Man Hours:

0.00

AFE #:

160544/51175

Day Cost(\$):

102,524

Cum Cost(\$):

591,095

AFE(\$):

1,826,598

Drig

Comp

Fac

Total

0

0

0

102,524

0

0

0

591,095

3,775,500

330,000

5,932,098

Current Activity:

TIH W/ CURVE BHA. CURRENT DEPTH 6,475' (PTB = 6,475', TVD 6457.48', INC. 50°, AZM 159.80°, 3.4' AHEAD, 4.3' LEFT, VS -146.54'

24 Hr Summary:

SLIDE BUILD DRILL f/ 5,007' TO 6,475'. C&CMUD. POOH. L/D BHA # 1, P/U BHA # 2 (CURVE BHA). TIH TO 1,095' SHALLOW TEST MWD AND MOTOR. CONTINUE TIH.

24 Hr Forecast:

FINISH TIH W/ CURVE BHA. DRILL CURVE.

MUD PROPERTIES

Fluids Co.:

BAROID

Fluids Eng:

Donald Gillaspay

Time:

18:00

Oil Cnt (%)

67

Location:

JCTION TANK

H2O Cnt (%)

25

Pit Temp (°F):

98

Sand Cnt:

Depth (ft):

6,475.01

MBT:

Density (ppg):

9.10

pH:

FV (s/qt):

52

Pm:

PV (cp):

17

Pf/Mf:

/

YP (lb/100ft²):

14

Chloride:

Gels (l):

12/18/21

Calcium:

WL:

9.50

LCM:

HTHP (°F):

250

ES (mV):

478.0

Cake:

2.00

LGS (%):

4.00

Solids (lbm/bbl):

38

Ex Lime (ppb):

3.0

ECD (ppg):

9.0

OWR:

73.0 / 27.0

MUD MATERIALS

D M Cost(\$):

\$11,096.18

C M Cost(\$):

\$33,334.75

Mud Additives

Used

LIME

35

ENGINEER 24 HOURS

1

EZ MUL

1

GELTONE

20

DURATONE HT

50

CALCIUM CHLORIDE PO

112

BAROID RIG WASH

1

DRILLTREAT

5

BIT RECORD

Bit#

1

S/N

7150796

Size (in)

8.75

Mfg

HUGHES

IADC Type

TX20105

Model #

T606X

Jets

6X14

Depth In (ft)

995

Depth Out (ft)

6,475

Bit Rotations

45/65

On Btm Hrs Cum

13.00

Footage Cum (ft)

1,468

ROP Cum

133.7

WOB mm/mx (kip)

15 / 25

RPM rot/bit

45 / 65

Bit HP

0.00

HSI

0.00

PSI Drop (psi)

0.00

Jet Vel (ft/s)

0.00

Imp Force

0.00

2

RA 8145

8.75

SMITH

FHI21

3X18

6,475

/

0.0

/

0.00

0.00

0.00

0.00

Grading

I

O

D

L

B

G

O

R

Bit # 1

1

1

1

FC

G

1

1

CT

BHA

Bit # 2

CASING

Size(in)

MD(ft)/TVD(ft)

FT/LOT(ppg)

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

INVENTORY

Item

Inv

DIESEL

10,118

MUD DIESEL

6,494

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units):

@

BG Gas (units):

@

Surf to Surf:

Conn Gas (units)

@

Pore Pressure:

(%)

Lag Strokes:

Form:

Lag Time:

(min)

BHA # 2

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

NON MAG FLEX COLLAR

2.875

6.437

31.02

31.02

1

NON MAG DRILL COLLAR

3.250

6.750

31.03

62.05

1

UBHO SUB

2.812

6.687

4.10

66.15

1

6 3/4" 4/5 LOBE, 7.0 STAGE, 2.12"

6.750

26.30

92.45

1

8.750

1.00

93.45

Total Length:

93.45

STRING LOADS

On Btm Torque:

14,500

Off Btm Torque:

3,000

Str. Wt. Up:

148

Str. Wt. Down:

138

Str. Wt. Rot.:

140

Max Over Pull:

MUD PUMPS

#1

#2

#3

Pump

DR

DR

Type:

Liner ID:

6.00

6.00

SPM:

67.00

67.00

GPM:

280.47

280.47

SPR:

1 SPM:

0.00

0.00

Pressure:

0.00

0.00

2 SPM:

0.00

0.00

Pressure:

0.00

0.00

T GPM (gpm):

SPP (psi):

AV (DC):

AV (DP):

BHA PROPERTIES

BHA Hrs:

13

Jar Hrs:

Cum String Hours:

41

Weight B Jars (kip):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

5,848

0.60

106.50

5,832

-142.86

-227.72

145.37

0.16

5,943

0.50

77.30

5,927

-142.82

-226.84

145.32

0.31

6,038

0.40

94.50

6,022

-142.89

-226.11

145.39

0.18

6,133

0.70

104.00

6,117

-142.73

-225.21

145.22

0.33

6,228

0.80

111.30

6,212

-142.37

-224.03

144.84

0.15

6,323

0.60

138.80

6,307

-141.76

-223.09

144.22

0.41

6,417

0.50

159.80

6,401

-141.01

-222.62

143.47

0.24

3,280

6.70

289.90

3,275

-43.17

-69.92

43.94

0.53

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

19:00

13.00

P

DRLPRD

08

DRLDIR

SIDE BUILD DRILL F/ 5,007' TO 6,475'.

19:00

20:30

1.50

P

DRLPRD

15

CIRC

CIRCULATE AND SLUG

20:30

22:30

2.00

P

DRLPRD

13

TRIP

POOH TO 4,218'. USE TONGS ON TIGHT CONNECTIONS.

22:30

23:00

0.50

N

DRLPRD

47

RROTHR

WORK ON ST-80.

23:00

02:30

3.50

P

DRLPRD

13

TRIP

FINISH POOH. USE TONGS ON TIGHT CONNECTIONS.

02:30

04:30

2.00

P

DRLPRD

14

PULDSTR

C/O BHA'S

04:30

06:00

1.50

P

DRLPRD


13

TRIP

TIH W/ BHA # 2

Daily Operations Comments

6 3/4" 4/5 LOBE, 7.0 STAGE, 2.12". SLICK, REVS/GAL .52, B-B 3.39', FLOW RANGE 300-600, MAX DIFF 1015.

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCGS: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JEFF WEST / DAVID WALDRUM Engineer/Manager: BAKER, BRENT / EVANS PERRY				Report Number: 006 Report Date: 05/08/2014 Spud Date: Release Date: DFS: 3.00 DOL: 6 AFE Days: 12 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No																																																																							
Depth md/tvd (ft): 7,178.01 / 6,942.71 Progress (ft): 703.00 ROP: 703.0 / 17.50 = 40.17 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,254.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,686.0 POB: 26 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>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>85,470</td> <td>0</td> <td>0</td> <td>85,470</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>676,565</td> <td>0</td> <td>0</td> <td>676,565</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	85,470	0	0	85,470	Cum Cost(\$)	676,565	0	0	676,565	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																																											
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Current Activity: POOH FOR LATERAL ASSEMBLY. LATERAL LENGTH = 20'. 0600 DEPTH = 7,178' (PTB = 7,178' TVD 6,936'. INC 88.6°, AZM 180.7°, 1' BELOW, 11.5' 24 Hr Summary: FINISH TIH W/ CURVE BHA. DRILL CURVE F/ 6,475' TO 7,178'. CIRCULATE AND SLUG. POOH FOR LATERAL ASSEMBLY. 24 Hr Forecast: FINISH OUT OF HOLE. C/O BHA'S. TIH. DRILL LATERAL.																																																																															
MUD PROPERTIES Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 17:00 Oil Cnt (%): 67 Location: JCTION TANK H2O Cnt (%): 25 Pit Temp ("F): 105 Sand Cnt: Depth (ft): 6,870.01 MBT: Density (ppg): 9.10 pH: FV (s/qt): 53 Pm: PV (cp): 16 P/Mf: YP (lbf/100ft²): 16 Chloride: Gels (l): 12/17/21 Calcium: WL: 9.40 LCM: HTHP ("F): 250 ES (mV): 432.0 Cake: 2.00 LGS (%): 5.00 Solids (lbm/bbl): 44 Ex Lime (ppb): 3.0 ECD (ppg): 9.0 OWR: 73.0 / 27.0		MUD MATERIALS D M Cost(\$): \$6,735.90 C M Cost(\$): \$40,070.65 Mud Additives Used BAROID RIG WASH 1 BAROID 80 ENGINEER 24 HOURS 1 EZ MUL 1 DURATONE HT 10 GELTONE 25		BIT RECORD Bit# 2 S/N RA 8145 Size (in) 8.75 Mfg SMITH IADC Type Model # FHI21 Jets 3X18 Depth In (ft) 6,475 Depth Out (ft) 7,178 Bit Rotations / On Btm Hrs Cum 17.50 Footage Cum (ft) 703 ROP Cum 40.2 WOB mm/mx (kip) 25 / 45 RPM rot/bit / Bit HP 0.67 HSI 0.90 PSI Drop (psi) 230.66 Jet Vel (ft/s) 172.14 Imp Force 310.36		CASING <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>9.63</td> <td>995.00 /</td> <td>995.00</td> </tr> <tr> <td>5.50</td> <td>15,254.03 /</td> <td>6,890.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)	9.63	995.00 /	995.00	5.50	15,254.03 /	6,890.01																																																															
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MUD LOGGING Trip Gas (units): 230 @ 605 Conn Gas (units) 327 @ 406 Form:				BG Gas (units): 251 Surf to Surf: Lag Strokes: Lag Time: (min)																																																																											
BHA # 2 <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>NON MAG FLEX COLLAR</td> <td>2.875</td> <td>6.437</td> <td>31.02</td> <td>31.02</td> </tr> <tr> <td>1</td> <td>NON MAG DRILL COLLAR</td> <td>3.250</td> <td>6.750</td> <td>31.03</td> <td>62.05</td> </tr> <tr> <td>1</td> <td>UBHO SUB</td> <td>2.812</td> <td>6.687</td> <td>4.10</td> <td>66.15</td> </tr> <tr> <td>1</td> <td>6 3/4" 4/5 LOBE, 7.0 STAGE, 2.12"</td> <td></td> <td>6.750</td> <td>26.30</td> <td>92.45</td> </tr> <tr> <td>1</td> <td>8 3/4" TRI-CONE BIT</td> <td></td> <td>8.750</td> <td>1.00</td> <td>93.45</td> </tr> <tr> <td colspan="5">Total Length:</td> <td>93.45</td> </tr> </tbody> </table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	NON MAG FLEX COLLAR	2.875	6.437	31.02	31.02	1	NON MAG DRILL COLLAR	3.250	6.750	31.03	62.05	1	UBHO SUB	2.812	6.687	4.10	66.15	1	6 3/4" 4/5 LOBE, 7.0 STAGE, 2.12"		6.750	26.30	92.45	1	8 3/4" TRI-CONE BIT		8.750	1.00	93.45	Total Length:					93.45	STRING LOADS On Btm Torque: Off Btm Torque: Str. Wt. Up: 175 Str. Wt. Down: 155 Str. Wt. Rot.: 165 Max Over Pull: BHA PROPERTIES BHA Hrs: 18 Jar Hrs: Cum String Hours: 18 Weight B Jars (kip):																																	
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SURVEYS <table border="1"> <thead> <tr> <th>MD (ft)</th> <th>Inclination(°)</th> <th>Azimuth (°)</th> <th>TVD (ft)</th> <th>V Section (ft)</th> <th>+E/-W (ft)</th> <th>+N/-S (ft)</th> <th>Dog Leg (°/100ft)</th> </tr> </thead> <tbody> <tr><td>6,831</td><td>41.20</td><td>183.40</td><td>6,783</td><td>-13.07</td><td>-216.20</td><td>15.45</td><td>10.88</td></tr> <tr><td>6,863</td><td>44.30</td><td>181.00</td><td>6,806</td><td>8.63</td><td>-217.02</td><td>-6.25</td><td>10.94</td></tr> <tr><td>6,895</td><td>47.50</td><td>179.90</td><td>6,828</td><td>31.61</td><td>-217.20</td><td>-29.22</td><td>10.30</td></tr> <tr><td>6,959</td><td>55.70</td><td>177.40</td><td>6,868</td><td>81.69</td><td>-215.95</td><td>-79.32</td><td>13.17</td></tr> <tr><td>6,990</td><td>60.10</td><td>176.50</td><td>6,885</td><td>107.88</td><td>-214.55</td><td>-105.53</td><td>14.40</td></tr> <tr><td>7,022</td><td>64.20</td><td>176.50</td><td>6,900</td><td>136.10</td><td>-212.83</td><td>-133.77</td><td>12.81</td></tr> <tr><td>7,085</td><td>73.20</td><td>178.80</td><td>6,922</td><td>194.65</td><td>-210.46</td><td>-192.35</td><td>14.68</td></tr> <tr><td>7,117</td><td>78.30</td><td>180.50</td><td>6,930</td><td>225.65</td><td>-210.27</td><td>-223.35</td><td>16.75</td></tr> </tbody> </table>								MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)	6,831	41.20	183.40	6,783	-13.07	-216.20	15.45	10.88	6,863	44.30	181.00	6,806	8.63	-217.02	-6.25	10.94	6,895	47.50	179.90	6,828	31.61	-217.20	-29.22	10.30	6,959	55.70	177.40	6,868	81.69	-215.95	-79.32	13.17	6,990	60.10	176.50	6,885	107.88	-214.55	-105.53	14.40	7,022	64.20	176.50	6,900	136.10	-212.83	-133.77	12.81	7,085	73.20	178.80	6,922	194.65	-210.46	-192.35	14.68	7,117	78.30	180.50	6,930	225.65	-210.27	-223.35	16.75
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Daily Operations Comments 6 3/4" 4/5 LOBE, 7.0 STAGE, 2.12". SLICK, REVS/GAL .52, B-B 3.39", FLOW RANGE 300-600, MAX DIFF 1015. (LATERAL STARTS @ 7,158').																																																																															

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4416CH/OH

Report Number:

007

Country:

USA

Report Date:

05/09/2014

State/OCSS:

TEXAS

Spud Date:

Field/Permit#:

WOLFCAMP EAST

Release Date:

Supervisors:

JEFF WEST / DAVID WALDRUM

DFS: 4.00

DOL: 7

AFE Days: 12

Engineer/Manager:

BAKER, BRENT / EVANS PERRY

Last BOP T.:

05/04/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

9,244.02 / 6,899.11

Progress (ft):

2,066.00

ROP:

2,066.0 / 16.50 = 125.21

Proposed TD (ft):

15,254.00

Next Csg Point (ft):

15,254.03

Rig:

SIDEWINDER/221

Rig Phone:

713-997-1295

RKB (ft):

2,711.01

Ground Level (ft):

2,886.0

POB:

33

Total Man Hours:

0.00

AFE #:

160544/51175

Day Cost(\$):

86,244

Cum Cost(\$):

762,809

AFE(\$):

1,826,598

Drig

Comp

Fac

Total

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

5.50

/

86,244

0

0

762,809

0

0

1,826,598

3,775,500

330,000

5,932,098

Current Activity:

DRILL LATERAL AT 9,244'. LATERAL LENGTH = 2076'. (PTB = 9,244' TVD 6,898'. INC 91.8°, AZM 180.5°, 11.7' ABOVE, 2.9' RIGHT, VS 2341').

24 Hr Summary:

FINISH POOH. C/O BHA'S. TIH W/ BHA # 3. DRILL LATERAL F/ 7,178' TO 9,244'.

24 Hr Forecast:

DRILL LATERAL.

MUD PROPERTIES

Fluids Co.: BAROID

Fluids Eng: Donald Gillasp

Time: 18:00

Location: JCTION TANK

Pit Temp (°F): 105

Depth (ft): 7,600.02

Density (ppg): 9.10

FV (s/qt): 51

PV (cp): 17

YP (lb/100ft²): 15

Gels (l): 12/16/20

WL: 9.40

HTHP (°F): 250

Cake: 2.00

Solids (lbm/bbl): 32

ECD (ppg): 9.0

MUD MATERIALS

D M Cost(\$): \$5,281.32

C M Cost(\$): \$45,351.97

Mud Additives

GELTONE

DURATONE HT

LIME

BAROID

ENGINEER 24 HOURS

CALCIUM CHLORIDE PO

Used

5

17

25

80

1

41

BIT RECORD

Bit#

2

3

S/N

RA 8145

RA 8145

Size (in)

8.75

8.75

Mfg

SMITH

BAKER

IADC Type

FH121

T606X

Model #

7149608

Jets

3X18

6X18

Depth In (ft)

6,475

7,178

Depth Out (ft)

7,178

Bit Rotations

/

50/60

On Btm Hrs Cum

16.50

Footage Cum (ft)

2,066

ROP Cum

40.2

125.2

WOB mm/mx (kip)

/

20 / 30

RPM rot/bit

/

50 / 60

Bit HP

0.00

0.00

HSI

0.00

0.00

PSI Drop (psi)

0.00

0.00

Jet Vel (ft/s)

0.00

0.00

Imp Force

0.00

0.00

CASING

Size(in)

MD(ft)/TVD(ft)

Fit LOT(ppg)

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

5.50

/

INVENTORY

Item

Inv

DIESEL

10,118

MUD DIESEL

2,775

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units): 230 @ 605

BG Gas (units): 251

Surf to Surf:

Conn Gas (units): 327 @ 406

Pore Pressure: (%)

Lag Strokes:

Form:

Lag Time: (min)

Grading

I

O

D

L

B

G

O

R

Bit # 2

1

1

BT

M

1

I

BT

BHA

Bit # 3

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

SHOCK SUB

2.500

6.437

11.76

11.76

1

AGITATOR

2.500

6.750

12.96

24.72

105

35 STANDS OF 5" DRILL PIPE

5.000

3,331.56

3,356.28

1

NON MAG DRILL COLLAR

2.875

6.437

29.35

3,385.63

1

NON MAG DRILL COLLAR

3.250

6.750

31.03

3,416.66

1

UBHO SUB

2.812

6.687

4.10

3,420.76

1

6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"

6.750

30.73

3,451.49

1

8 3/4" PDC BIT

8.750

1.00

3,452.49

Total Length:

3,452.49

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up:

Str. Wt. Down:

Str. Wt. Rot.:

Max Over Pull:

MUD PUMPS

#1

#2

#3

Pump Type:

DR

DR

Liner ID:

6.00

6.00

SPM:

65.00

65.00

GPM:

272.09

272.09

SPR:

1 SPM:

0.00

0.00

Pressure:

0.00

0.00

2 SPM:

0.00

0.00

Pressure:

0.00

0.00

T GPM (gpm):

530

SPP (psi):

3,700

AV (DC):

AV (DP):

BHA PROPERTIES

BHA Hrs:

Jar Hrs:

Cum String Hours:

18

Weight B Jars (kip):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

8,339

88.10

180.30

6,930

1,444.47

-206.45

-1,442.29

5.52

8,433

91.20

186.20

6,931

1,538.32

-211.77

-1,536.08

7.09

8,528

89.00

183.50

6,931

1,633.05

-219.80

-1,630.73

3.67

8,623

92.10

184.40

6,930

1,727.87

-226.35

-1,725.49

3.40

8,717

94.80

184.30

6,924

1,821.50

-233.46

-1,819.04

2.87

8,811

94.90

183.20

6,916

1,915.02

-239.59

-1,912.50

1.17

8,907

92.30

182.30

6,910

2,010.76

-244.18

-2,008.19

2.87

9,003

91.80

180.50

6,907

2,106.68

-246.53

-2,104.10

1.94

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

07:00

1.00

P

DRLPRD

13

TRIP

FINISH POOH TO P/U LATERAL ASSY

07:00

09:00

2.00

P

DRLPRD

14

PULDSTR

LD CURVE BHA, PU LATERAL BHA, MU NEW BIT

09:00

11:30

2.50

P

DRLPRD

13

TRIP

TIH WITH BHA #3 T/ 3,331' & PU AGITATOR & SHOCK SUB

11:30

13:00

1.50

P

DRLPRD

13

TRIP

CONTINUE TIH WITH BHA #3 T/ 7,178'

13:00

16:00

3.00

P

DRLPRD

10

DRLLAT

DRILL LATERAL F/ 7,178' TO 7,439'

16:00

16:30

0.50

P

DRLPRD

12

RIGSVC

SERVICE RIG

16:30

06:00

13.50

P

DRLPRD


10

DRLLAT

DRILL LATERAL F/ 7,439' TO 9,244'

Daily Operations Comments

6 3/4" FBH 7/8 LOBE, 6.0 STAGE @ 1.50° SLICK, REVS/GAL .31, B/B 5.50', FLOW RANGE 300/600, MAX DIFF 995. (LATERAL STARTS @ 7,168')

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCGS: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JEFF WEST / DAVID WALDRUM Engineer/Manager: BAKER, BRENT / EVANS PERRY				Report Number: 008 Report Date: 05/10/2014 Spud Date: 05/05/2014 Release Date: DFS: 5.00 DOL: 8 AFE Days: 12 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 12,657.03 / 6,899.43 Progress (ft): 3,413.01 ROP: 3,413.0 / 22.50 = 151.69 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,254.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,886.0 POB: 33 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>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>83,126</td> <td>0</td> <td>0</td> <td>83,126</td> </tr> <tr> <td>Cum Cost(\$):</td> <td>845,935</td> <td>0</td> <td>0</td> <td>845,935</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	83,126	0	0	83,126	Cum Cost(\$):	845,935	0	0	845,935	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098
	Drig	Comp	Fac	Total																																
AFE #:	160544/51175																																			
Day Cost(\$):	83,126	0	0	83,126																																
Cum Cost(\$):	845,935	0	0	845,935																																
AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																																
Current Activity: DRILL LATERAL AT 12,657'. LATERAL LENGTH = 5,489'. (PTB = 12,657' TVD 6,903'. INC 88.10°, AZM 174.80°, 5.72' BELOW, 6.05' RIGHT, VS 5,750'). 24 Hr Summary: DRILL LATERAL. F/ 9,244' TO 12,657'. 24 Hr Forecast: DRILL LATERAL. C&C MUD. L/D DRILL PIPE.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 16:00 Oil Cnt (%): 66 Location: JCTION TANK H2O Cnt (%): 25 Pit Temp (°F): 110 Sand Cnt: Depth (ft): 10,500.02 MBT: Density (ppg): 9.10 pH: FV (s/qt): 52 Pm: PV (cp): 14 P/Mf: YP (lb/100ft²): 14 Chloride: Gels (l): 10/15/19 Calcium: WL: 9.40 LCM: HTHP (°F): 250 ES (mV): 312.0 Cake: 2.00 LGS (%): 6.00 Solids (lbm/bbl): 54 Ex Lime (ppb): 2.5 ECD (ppg): 9.0 OWR: 72.0 / 28.0		D M Cost(\$): \$13,679.16 C M Cost(\$): \$59,031.13 Mud Additives Used EZ MUL 2 GELTONE 65 ENGINEER 24 HOURS 1 LIME 40 DRILLTREAT 3 SHRINK WRAP 11 PALLETS 11 CALCIUM CHLORIDE PO 71 DURATONE HT 23 TRANSPORTATION 389 FUEL SURCHARGE .60 350		Bit# 3 S/N RA 8145 Size (in) 8.75 Mfg BAKER IADC Type Model # T606X 7149608 6X18 Depth In (ft) 7,178 Depth Out (ft) Bit Rotations 45/60 On Btm Hrs Cum 39.00 Footage Cum (ft) 5,479 ROP Cum 140.5 WOB mm/mx (kip) 20 / 30 RPM rot/bit 45 / 60 Bit HP 0.00 HSI 0.00 PSI Drop (psi) 0.00 Jet Vel (ft/s) 0.00 Imp Force 0.00		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 9.63 995.00 / 995.00 5.50 15,254.03 / 6,890.01 5.50 /																														
MUD LOGGING				INVENTORY																																
Trip Gas (units): @ 605 BG Gas (units): 1,209 Surf to Surf: Conn Gas (units)/77 @ 1,072 Pore Pressure: (%) Lag Strokes: Form: Lag Time: (min)				Item Inv DIESEL 7,506 MUD DIESEL 4,745																																
BHA # 3				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 16,000	#1																													
1	SHOCK SUB	2.500	6.437	11.76	11.76	Off Btm Torque: 6,000	#2																													
1	AGITATOR	2.500	6.750	12.96	24.72	Str. Wt. Up: 225	#3																													
105	35 STANDS OF 5" DRILL PIPE		5.000	3,331.56	3,356.28	Str. Wt. Down: 110																														
1	NON MAG DRILL COLLAR	2.875	6.437	29.35	3,385.63	Str. Wt. Rot.: 175																														
1	NON MAG DRILL COLLAR	3.250	6.750	31.03	3,416.66	Max Over Pull:																														
1	UBHO SUB	2.812	6.687	4.10	3,420.76																															
1	6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"		6.750	30.73	3,451.49																															
1	8 3/4" PDC BIT		8.750	1.00	3,452.49																															
Total Length: 3,452.49						BHA PROPERTIES																														
						BHA Hrs: 23 Jar Hrs: Cum String Hours: 39 Weight B Jars (kip):																														
SURVEYS																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
11,751	90.20	182.80	6,903	4,853.14	-279.17	-4,850.36	2.62																													
11,846	91.70	185.80	6,901	4,947.92	-286.29	-4,945.07	3.53																													
11,941	90.40	184.30	6,900	5,042.62	-294.65	-5,039.68	2.09																													
12,036	91.00	185.90	6,898	5,137.32	-303.09	-5,134.29	1.80																													
12,131	90.30	181.90	6,897	5,232.14	-309.55	-5,229.05	4.27																													
12,226	89.90	180.20	6,897	5,327.13	-311.29	-5,324.03	1.84																													
12,321	89.60	178.70	6,898	5,422.11	-310.38	-5,419.02	1.61																													
12,415	89.70	177.30	6,898	5,516.00	-307.10	-5,512.96	1.49																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	18:00	12.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 9,244 TO 10,843'.																													
18:00	18:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG																													
18:30	19:00	0.50	N	DRLPRD	47	RROTHR	BROKEN ELBOW ON ELECTRICAL CONDUIT ON AERION DRYER SHAKER CAUSED GROUND FAULT ON RIG SYSTEM.																													
18:30	18:30	0.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 10,843' TO 10,975'.																													
19:00	00:00	5.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 10,975' TO 11,725'.																													
00:00	00:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG																													
00:30	06:00	5.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 11,725' TO 12,657'.																													
Daily Operations Comments 6 3/4" FBH 7/8 LOBE, 6.0 STAGE @ 1.50° SLICK, REVS/GAL .31, B/B 5.50', FLOW RANGE 300/600, MAX DIFF 995. (LATERAL STARTS @ 7,168')																																				

Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4416CH/OH

Report Number:

009

Country:

USA

State/OCSG:

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

JEFF WEST / DAVID WALDRUM

Engineer/Manager:

BAKER, BRENT / EVANS PERRY

Report Date:

05/11/2014

Spud Date:

05/05/2014

Release Date:

DFS: 6.00

DOL: 9

AFE Days: 12

Last BOP T.:

05/04/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

14,587.03 / 6,902.98

Progress (ft):

1,930.00

ROP:

1,930.0 / 23.00 = 83.91

Proposed TD (ft):

15,254.00

Next Csg Point (ft):

15,254.03

Rig:

SIDEWINDER/221

Rig Phone:

713-997-1295

RKB (ft):

2,711.01

Ground Level (ft):

2,886.0

POB:

25

Total Man Hours:

0.00

AFE #:

160544/51175

Day Cost(\$):

84,748

Cum Cost(\$):

930,683

AFE(\$):

1,826,598

Drig

Comp

Fac

Total

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

5.50

/

84,748

0

0

930,683

0

0

1,826,598

3,775,500

330,000

5,932,098

Current Activity:

DRILL LATERAL AT 14,587'. LATERAL LENGTH = 7,419'. (PTB = 14,587' TVD 6,901'. INC 89.10°, AZM 180.5°, 3.85' BELOW, 18.99' RIGHT, VS 7,678').

24 Hr Summary:

DRILL LATERAL F/ 12,657' TO 14,587'.

24 Hr Forecast:

DRILL LATERAL. C&C MUD. PULL 10 STANDS DP. L/D DRILL PIPE AND BHA. C/O RAMS, BAILES AND R/U CSG CREW. PJSM.

MUD PROPERTIES

Fluids Co.: BAROID

Fluids Eng: Donald Gillasp

Time: 17:00

Oil Cnt (%): 66

Location: JCTION TANK

H2O Cnt (%): 25

Pit Temp (°F): 120

Sand Cnt: MBT:

Depth (ft): 13,620.03

Density (ppg): 9.10

pH: 55

FV (s/qt): 14

Pf/Mf: 16

YP (lb/100ft²): 12/16/19

Calcium: 9.40

LCM: 250

ES (mV): 417.0

HTHP (°F): 2.00

LGS (%): 7.00

Cake: 63

Ex Lime (ppb): 3.2

Solids (lbm/bbl): 9.0

OWR: 72.0 / 28.0

MUD MATERIALS

D M Cost(\$): \$11,857.24

C M Cost(\$): \$70,888.37

Mud Additives

Used

BAROID RIG WASH

1

GELTONE

14

DRILLTREAT

4

OIL ABSORBANT

65

CALCIUM CHLORIDE PO

168

DURATONE HT

18

LIME

80

ENGINEER 24 HOURS

1

INVERMUL

2

BIT RECORD

Bit#

3

S/N

RA 8145

Size (in)

8.75

Mfg

BAKER

IADC Type

Model #

T606X

7149608

6X18

Jets

7,178

Depth In (ft)

Depth Out (ft)

50/60

Bit Rotations

On Btm Hrs Cum

62.00

Footage Cum (ft)

7,409

ROP Cum

119.5

WOB mm/mx (kip)

25 / 40

RPM rot/bit

50 / 60

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 #

3

CASING

Size(in)

MD(ft)/TVD(ft)

Fit LOT(ppg)

9.63

995.00 /

995.00

5.50

15,254.03 /

6,890.01

5.50

/

INVENTORY

Item

Inv

DIESEL

5,143

MUD DIESEL

5,697

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units): @

BG Gas (units): 1,308

Surf to Surf:

Lag Strokes:

Lag Time: (min)

Conn Gas (units): 15 @ 1,137

Pore Pressure: (%)

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

SHOCK SUB

2.500

6.437

11.76

11.76

1

AGITATOR

2.500

6.750

12.96

24.72

105

35 STANDS OF 5" DRILL PIPE

5.000

3,331.56

3,356.28

1

NON MAG DRILL COLLAR

2.875

6.437

29.35

3,385.63

1

NON MAG DRILL COLLAR

3.250

6.750

31.03

3,416.66

1

UBHO SUB

2.812

6.687

4.10

3,420.76

1

6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"

6.750

30.73

3,451.49

1

8 3/4" PDC BIT

8.750

1.00

3,452.49

Total Length:

3,452.49

STRONG LOADS

On Btm Torque:

17,500

Off Btm Torque:

6,000

Str. Wt. Up:

225

Str. Wt. Down:

90

Str. Wt. Rot.:

162

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

23

Jar Hrs:

Cum String Hours:

62

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump

DR

DR

Type:

Liner ID:

6.00

6.00

SPM:

62.00

62.00

GPM:

259.54

259.54

SPR:

1 SPM:

0.00

0.00

Pressure:

0.00

0.00

2 SPM:

0.00

0.00

Pressure:

0.00

0.00

T GPM (gpm):

528

SPP (psi):

3,750

AV (DC):

AV (DP):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

13,747

89.50

182.50

6,902

6,846.34

-276.29

-6,843.71

0.88

13,842

90.30

184.80

6,902

6,941.20

-282.34

-6,938.51

2.56

13,937

92.50

186.60

6,900

7,035.79

-291.77

-7,033.00

2.99

14,031

90.00

183.40

6,897

7,129.47

-299.96

-7,126.60

4.32

14,126

88.80

182.60

6,898

7,224.38

-304.93

-7,221.47

1.52

14,220

90.50

184.70

6,899

7,318.24

-310.92

-7,315.27

2.87

14,315

89.50

182.80

6,899

7,413.10

-317.13

-7,410.06

2.26

14,410

89.10

180.50

6,900

7,508.07

-319.86

-7,505.00

2.46

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

12:00

6.00

P

DRLPRD

10

DRLLAT

DRILL LATERAL F/ 12,657' T/ 13,238'.

12:00

12:30

0.50

P

DRLPRD

12

RIGSVC

SERVICE RIG

12:30

02:00

13.50

P

DRLPRD

10

DRLLAT

DRILL LATERAL F/ 13,238' T/ 14,366'.

02:00

02:30

0.50

P

DRLPRD

12

RIGSVC

SERVICE RIG

02:30

06:00

3.50

P

DRLPRD


10

DRLLAT

DRILL LATERAL F/ 14,366' T/ 14,587'.

Daily Operations Comments

6 3/4" FBH 7/8 LOBE, 6.0 STAGE @ 1.50° SLICK, REVS/GAL .31, B/B 5.50', FLOW RANGE 300/600, MAX DIFF 995. (LATERAL STARTS @ 7,168')

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: JEFF WEST / DAVID WALDRUM Engineer/Manager: BAKER, BRENT / EVANS PERRY				Report Number: 010 Report Date: 05/12/2014 Spud Date: 05/05/2014 Release Date: DFS: 7.00 DOL: 10 AFE Days: 12 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No																																																																																																											
Depth md/tvd (ft): 15,255.03 / 6,893.10 Progress (ft): 668.00 ROP: 668.0 / 6.00 = 111.33 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,255.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,886.0 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 #:</td> <td>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>56,156</td> <td>0</td> <td>0</td> <td>56,156</td> </tr> <tr> <td>Cum Cost(\$):</td> <td>986,838</td> <td>0</td> <td>0</td> <td>986,838</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	56,156	0	0	56,156	Cum Cost(\$):	986,838	0	0	986,838	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																																																																															
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Current Activity: LAY DOWN DRILL PIPE @ 1,300', TD WELL AT 15,255' @ 12:00 PM ON 5-11-2014, LATERAL LENGTH = 8,087'. (PTB = 15,255' TVD 6,891'. INC 90.80', AZM 177.3°, 6.0' ABOVE, 5.4' RIGHT, VS 8,346'). 24 Hr Summary: (TD WELL AT 15,255' AT 12:00 PM ON 5-11-2014), CIRCULATE & CONDITION, POOH 10' STANDS, POOH LD DRILL PIPE, 24 Hr Forecast: LD DP AND BHA. CO RAMS AND BAILES. RU CSG CREW. PJSM RUN 5 1/2" PRODUCTION CASING. FRACTURE AIR LOCK DISK AND DISPLACE AIR OUT OF HOLE. RU TO HALCO LINES. PJSM. CEMENT W/ HALCO. ND AND LIFT STACK. SET SLIPS AND ROUGH CUT CSG.. FINISH ND AND INSTALL CAP.																																																																																																																			
MUD PROPERTIES Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 18:00 Oil Cnt (%): 67 Location: ICTION TANK H2O Cnt (%): 24 Pit Temp (°F): 120 Sand Cnt: Depth (ft): 15,255.03 MBT: Density (ppg): 9.10 pH: FV (s/qt): 55 Pm: PV (cp): 15 P/MF: YP (lb/100ft²): 16 Chloride: Gels (j): 13/17/20 Calcium: WL: 9.40 LCM: HTHP (°F): 250 ES (mV): 434.0 Cake: 2.00 LGS (%): 6.00 Solids (lbm/bbl): 49 Ex Lime (ppb): 3.5 ECD: OWR: 73.0 / 27.0		MUD MATERIALS D M Cost(\$): \$10,550.18 C M Cost(\$): \$81,438.55 Mud Additives Used GELTONE 11 DRILLTREAT 2 INVERMUL 2 ENGINEER 24 HOURS 1 BAROID 100 CALCIUM CHLORIDE PO 168 DURATONE HT 24		BIT RECORD Bit# 3 S/N RA 8145 Size (in) 8.75 Mfg BAKER IADC Type Model # T606X 7149608 6X18 Depth In (ft) 7.178 Depth Out (ft) 15,255 Bit Rotations 40/60 On Btm Hrs Cum 68.00 Footage Cum (ft) 8,077 ROP Cum 118.8 WOB mm/mx (kip) 25 / 45 RPM rot/bit 40 / 60 Bit HP HSI 0.77 PSI Drop (psi) 0.51 Jet Vel (ft/s) 101.94 Imp Force 111.89 274.31		CASING <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>9.63</td> <td>995.00 /</td> <td>995.00</td> </tr> <tr> <td>5.50</td> <td>15,255.03 /</td> <td>6,890.01</td> </tr> </tbody> </table> INVENTORY <table border="1"> <thead> <tr> <th>Item</th> <th>Inv</th> </tr> </thead> <tbody> <tr> <td>DIESEL</td> <td>3,125</td> </tr> <tr> <td>MUD DIESEL</td> <td>1,687</td> </tr> </tbody> </table> SOLIDS CONTROL <table border="1"> <thead> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50///</td> <td></td> </tr> <tr> <td>2</td> <td>50///</td> <td></td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)	9.63	995.00 /	995.00	5.50	15,255.03 /	6,890.01	Item	Inv	DIESEL	3,125	MUD DIESEL	1,687	Skr	Deck 1 Screens	Deck 2 Screens	1	50///		2	50///																																																																																					
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MUD LOGGING Trip Gas (units): @ BG Gas (units): 1,308 Conn Gas (units): 15 @ 1,137 Form: Pore Pressure: (%) Lag Strokes: (min) Lag Time:				STRING LOADS On Btm Torque: 24,000 Off Btm Torque: 7,000 Str. Wt. Up: 230 Str. Wt. Down: 120 Str. Wt. Rot.: 180 Max Over Pull: BHA PROPERTIES BHA Hrs: 6 Jar Hrs: Cum String Hours: 68 Weight B Jars (kip):																																																																																																															
BHA # 3 <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>SHOCK SUB</td> <td>2.500</td> <td>6.437</td> <td>11.76</td> <td>11.76</td> </tr> <tr> <td>1</td> <td>AGITATOR</td> <td>2.500</td> <td>6.750</td> <td>12.96</td> <td>24.72</td> </tr> <tr> <td>105</td> <td>35 STANDS OF 5" DRILL PIPE</td> <td></td> <td>5.000</td> <td>3,331.56</td> <td>3,356.28</td> </tr> <tr> <td>1</td> <td>NON MAG DRILL COLLAR</td> <td>2.875</td> <td>6.437</td> <td>29.35</td> <td>3,385.63</td> </tr> <tr> <td>1</td> <td>NON MAG DRILL COLLAR</td> <td>3.250</td> <td>6.750</td> <td>31.03</td> <td>3,416.66</td> </tr> <tr> <td>1</td> <td>UBHO SUB</td> <td>2.812</td> <td>6.687</td> <td>4.10</td> <td>3,420.76</td> </tr> <tr> <td>1</td> <td>6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"</td> <td></td> <td>6.750</td> <td>30.73</td> <td>3,451.49</td> </tr> <tr> <td>1</td> <td>8 3/4" PDC BIT</td> <td></td> <td>8.750</td> <td>1.00</td> <td>3,452.49</td> </tr> <tr> <td colspan="5">Total Length:</td> <td>3,452.49</td> </tr> </tbody> </table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	SHOCK SUB	2.500	6.437	11.76	11.76	1	AGITATOR	2.500	6.750	12.96	24.72	105	35 STANDS OF 5" DRILL PIPE		5.000	3,331.56	3,356.28	1	NON MAG DRILL COLLAR	2.875	6.437	29.35	3,385.63	1	NON MAG DRILL COLLAR	3.250	6.750	31.03	3,416.66	1	UBHO SUB	2.812	6.687	4.10	3,420.76	1	6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"		6.750	30.73	3,451.49	1	8 3/4" PDC BIT		8.750	1.00	3,452.49	Total Length:					3,452.49	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>DR</td> <td>DR</td> <td></td> </tr> <tr> <td>Liner ID:</td> <td>6.00</td> <td>6.00</td> <td></td> </tr> <tr> <td>SPM:</td> <td>62.00</td> <td>62.00</td> <td></td> </tr> <tr> <td>GPM:</td> <td>259.54</td> <td>259.54</td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>2 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td colspan="4">T GPM (gpm): 520 SPP (psi): 4,000</td> </tr> <tr> <td colspan="4">AV (DC): AV (DP):</td> </tr> </tbody> </table>					#1	#2	#3	Pump Type:	DR	DR		Liner ID:	6.00	6.00		SPM:	62.00	62.00		GPM:	259.54	259.54		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00		T GPM (gpm): 520 SPP (psi): 4,000				AV (DC): AV (DP):			
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EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH				Report Number: 011									
				Country: USA				Report Date: 05/13/2014									
				State/OCSG: TEXAS				Spud Date: 05/05/2014									
				Field/Permit#: WOLF CAMP EAST				Release Date:									
				Supervisors: JEFF WEST / DAVID WALDRUM				DFS: 8.00 DOL: 11 AFE Days: 12									
				Engineer/Manager: BAKER, BRENT / EVANS PERRY				Last BOP T.: 05/04/2014									
								Safety & Environmental Incident: No									
Depth md/tvd (ft): 15,255.03 / 6,893.10				Rig: SIDEWINDER/221				Drig				Comp		Fac		Total	
Progress (ft): 0.00				Rig Phone: 713-997-1295				AFE #:				160544/51175					
ROP: 0.0 / = 0.00				RKB (ft): 2,711.01				Day Cost(\$):				46,936		0		46,936	
Proposed TD (ft): 15,254.00				Ground Level (ft): 2,886.0				Cum Cost(\$):				1,033,774		0		1,033,774	
Next Csg Point (ft): 15,255.03				POB: 38 Total Man Hours: 0.00				AFE(\$):				1,826,598		3,775,500		330,000 5,932,098	
Current Activity: CIRCULATE AIR OUT OF HOLE.																	
24 Hr Summary: FINISH LAY DOWN DRILL PIPE & DIR BHA, INSTALL 5-1/2" RAMS & BAILES, HPJSM, MU SHOE TRACK AND CHECK FOR FLOW, RUN 5 1/2" PRODUCTION CASING TO 8,346'. REPAIR LAY DOWN TRUCK (4 HOURS). RUN 5 1/2" CASING. FRACTURE AIR LOCK DISC @ 1825 PSI. CIR.																	
24 Hr Forecast: CIRCULATE. RU HALCO. PJSM. TEST HALCO LINES TO 5000 PSI. CEMENT W/ HALCO.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: BAROID				D M Cost(\$): \$900.00				Bit#				Size(in)					
Fluids Eng: Donald Gillaspay				C M Cost(\$): \$82,338.55				S/N				MD(ft)/TVD(ft)					
Time: 16:00 Oil Cnt (%): 67				Mud Additives				Size (in)				FT/LOT(ppg)					
Location: ICTION TANK H2O Cnt (%): 24				ENGINEER 24 HOURS				Mfg				9.63 995.00 / 995.00					
Pit Temp: Sand Cnt:								IADC Type				5.50 15,255.03 / 6,890.01					
Depth (ft): 15,255.03 MBT:								Model #									
Density (ppg): 9.10 pH:								Jets									
FV (s/qt): 52 Pm:								Depth In (ft)									
PV (cp): 15 P/Mf:								Depth Out (ft)									
YP (lb/100ft ²): 15 Chloride:								Bit Rotations									
Gels (l): 12/16/20 Calcium:								On Btm Hrs Cum									
WL: 9.40 LCM:								Footage Cum (ft)									
HTHP ("F"): 250 ES (mV): 434.0								ROP Cum									
Cake: 2.00 LGS (%): 6.00								WOB mm/mx (kip)									
Solids (lbm/bbl): 49 Ex Lime (ppb): 3.5								RPM rot/bit									
ECD: OWR: 73.0 / 27.0								Bit HP									
								HSI									
								PSI Drop (psi)									
								Jet Vel (ft/s)									
								Imp Force									
MUD LOGGING																	
Trip Gas (units): @				BG Gas (units): 1,308				Surt to Surt:									
Conn Gas (units): 15 @ 1,137								Lag Strokes:									
Form:				Pore Pressure: (%)				Lag Time: (min)									
								Grading				I O D L B G O R					
								Bit #									
								Bit #									
BHA # 3						STRING LOADS						MUD PUMPS					
Qty	Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:						#1				
1	SHOCK SUB		2.500	6.437	11.76	11.76	Off Btm Torque:						#2				
1	AGITATOR		2.500	6.750	12.96	24.72	Str. Wt. Up:						#3				
105	35 STANDS OF 5" DRILL PIPE			5.000	3,331.56	3,356.28	Str. Wt. Down:										
1	NON MAG DRILL COLLAR		2.875	6.437	29.35	3,385.63	Str. Wt. Rot.:						0.00				
1	NON MAG DRILL COLLAR		3.250	6.750	31.03	3,416.66	Max Over Pull:						0.00				
1	UBHO SUB		2.812	6.687	4.10	3,420.76							0.00				
1	6 3/4" 7/8 LOBE, 6.4 STAGE, 1.50"			6.750	30.73	3,451.49							1 SPM: 0.00				
1	8 3/4" PDC BIT			8.750	1.00	3,452.49							Pressure: 0.00				
Total Length: 3,452.49												2 SPM: 0.00					
												Pressure: 0.00					
												T GPM (gpm): SPP (psi):					
												AV (DC): AV (DP):					
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
14,505		89.50		179.90		6,901		7,603.06		-320.19		-7,600.00		0.76			
14,599		89.70		179.90		6,902		7,697.05		-320.03		-7,693.99		0.21			
14,694		91.70		180.90		6,901		7,792.03		-320.69		-7,788.98		2.35			
14,789		91.20		180.60		6,898		7,887.00		-321.94		-7,883.94		0.61			
14,884		90.20		180.20		6,897		7,981.99		-322.60		-7,978.93		1.13			
14,978		90.80		180.10		6,896		8,075.99		-322.85		-8,072.93		0.65			
15,074		90.50		179.40		6,895		8,171.97		-322.43		-8,168.92		0.79			
15,168		90.80		177.30		6,894		8,265.88		-319.72		-8,262.87		2.26			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	09:00	3.00	P	DRLPRD	13	TRIP	LAY DOWN 5" DRILL PIPE										
09:00	11:00	2.00	P	DRLPRD	14	PULDSTR	LAY DOWN DIRECTIONAL BHA & 1 STAND OF 6" DRILL COLLARS										
11:00	13:30	2.50	P	CASPRD1	23	RAMBLCK	C/O BELLES & RAMS										
13:30	14:00	0.50	P	CASPRD1	41	SFTYMTG	HPJSM WITH TEAM OIL TOOLS, EXPRESS & RIG CREW										
14:00	15:00	1.00	P	CASPRD1	24	RUNCAS	RU EXPRESS CASING CREW										
15:00	20:30	5.50	P	CASPRD1	24	RUNCAS	RUN 5 1/2" PRODUCTION CASING										
20:30	00:30	4.00	N	CASPRD1	49	RPR3	REPAIR BLOWN HYDRO HOSE. (WAITE ON PARTS AND MECHANIC).										
00:30	05:00	4.50	P	CASPRD1	24	RUNCAS	RUN 379 JTS OF 17# P110, 5 1/2" PROD CSG. INSTALLED MARKER JTS @ (11,232' , 7,151' , 6,460'). (AIR LOCK SUB @ 65' @ 7,026'). FILLED PIPE FIRST 500'. THEN CONTINUED TO FILL AFTER AIR LOCK SUB INSTALLED. LANDED CASING @ 15,255'.										
05:00	06:00	1.00	P	CASPRD1	15	CIRC	RU STEEL LINES TO STANDPIPE. FRACTURE AIR LOCK DISC @ 1825 PSI. FILL PIPE AND CIR AIR OUT OF HOLE.										
Daily Operations Comments																	
NOTIFIED TAMI @ TRRC @ 00:10 ON 5/12/2014 OF PRODUCTION CASING TO BE RUN.																	

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH		Report Number: 012																																																	
				Country: USA		Report Date: 05/14/2014																																																	
				State/OCSS: TEXAS		Spud Date: 05/05/2014																																																	
				Field/Permit#: WOLF CAMP EAST		Release Date:																																																	
				Supervisors: JEFF WEST / DAVID WALDRUM		DFS: 9.00 DOL: 12 AFE Days: 12																																																	
				Engineer/Manager: BAKER, BRENT / EVANS PERRY		Last BOP T.: 05/04/2014																																																	
						Safety & Environmental Incident: No																																																	
Depth md/tvd (ft): 15,255.03 / 6,893.10 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,255.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,886.0 POB: 47 Total Man Hours: 536.00		<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>160544/51175</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>445,174</td> <td>0</td> <td>0</td> <td>445,174</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>1,478,799</td> <td>0</td> <td>0</td> <td>1,478,799</td> </tr> <tr> <td>AFE(\$):</td> <td>1,826,598</td> <td>3,775,500</td> <td>330,000</td> <td>5,932,098</td> </tr> </tbody> </table>			Drig	Comp	Fac	Total	AFE #:	160544/51175				Day Cost(\$):	445,174	0	0	445,174	Cum Cost(\$)	1,478,799	0	0	1,478,799	AFE(\$):	1,826,598	3,775,500	330,000	5,932,098																							
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Current Activity: RIG DOWN 24 Hr Summary: CIRCULATE. RU HALCO. PJSM. TEST HALCO LINES TO 6000 PSI. PUMP CEMENT. FLUSH FLOWLINES AND STACK. RD HALCO. RU WINCHES AND ND. LIFT STACK. SET SLIPS. ROUGH CUT CSG. FINISH ND. LD STACK AND WINCHES. MAKE FINAL CUT, DRESS PIPE AND INSTALL TA CAP. 24 Hr Forecast: RIG DOWN																																																							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																																	
Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 16:00 Oil Cnt (%): 67 Location: ICTION TANK H2O Cnt (%): 24 Pit Temp: Sand Cnt: Depth (ft): 15,255.03 MBT: Density (ppg): 9.10 pH: FV (s/qt): 52 Pm: PV (cp): 15 PlMf: YP (lbf/100ft²): 15 Chloride: Gels (l): 12/16/20 Calcium: WL: 9.40 LCM: HTHP (°F): 250 ES (mV): 434.0 Cake: 2.00 LGS (%): 6.00 Solids (lbm/bbl): 49 Ex Lime (ppb): 3.5 ECD: OWR: 73.0 / 27.0		D M Cost(\$): \$1,800.00 C M Cost(\$): \$84,138.55 Mud Additives Used ENGINEER 24 HOURS 2		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		<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>9.63</td> <td>995.00 /</td> <td>995.00</td> </tr> <tr> <td>5.50</td> <td>15,255.03 /</td> <td>6,890.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	FIT/LOT(ppg)	9.63	995.00 /	995.00	5.50	15,255.03 /	6,890.01																																							
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				<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>0.00</td> <td></td> </tr> <tr> <td>SPM:</td> <td></td> <td>0.00</td> <td></td> </tr> <tr> <td>GPM:</td> <td></td> <td>0.00</td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td></td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td>0.00</td> <td></td> </tr> <tr> <td>2 SPM:</td> <td></td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td>0.00</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:		0.00		SPM:		0.00		GPM:		0.00		SPR:				1 SPM:		0.00		Pressure:		0.00		2 SPM:		0.00		Pressure:		0.00		T GPM (gpm):	SPP (psi):			AV (DC):	AV (DP):		
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MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																																																
14,505	89.50	179.90	6,901	7,603.06	-320.19	-7,600.00	0.76																																																
14,599	89.70	179.90	6,902	7,697.05	-320.03	-7,693.99	0.21																																																
14,694	91.70	180.90	6,901	7,792.03	-320.69	-7,788.98	2.35																																																
14,789	91.20	180.60	6,898	7,887.00	-321.94	-7,883.94	0.61																																																
14,884	90.20	180.20	6,897	7,981.99	-322.60	-7,978.93	1.13																																																
14,978	90.80	180.10	6,896	8,075.99	-322.85	-8,072.93	0.65																																																
15,074	90.50	179.40	6,895	8,171.97	-322.43	-8,168.92	0.79																																																
15,168	90.80	177.30	6,894	8,265.88	-319.72	-8,262.87	2.26																																																
OPERATION DETAILS																																																							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																																
06:00	07:00	1.00	P	CASPRD1	15	CIRC	CIRCULATE & CONDITION																																																
07:00	11:00	4.00	N	CASPRD1	25	PRIMCEM	WAIT ON HALLIBURTON EQUIPMENT & SUPERVISOR																																																
11:00	11:30	0.50	P	CASPRD1	41	SFTYMTG	HPJSM WITH HALLIBURTON & CREW																																																
11:30	16:00	4.50	P	CASPRD1	25	PRIMCEM	PJSM. TEST LINES TO 6000 PSI. PUMPED 40 BBLS 10PPG TUNNED SPACER. 299 BBLS (650 SKS W/2.57 YLD) 11.5 PPG LEAD CMT. 400 BBLS (1750 SKS W/1.28 YLD) 14.4 PPG TAIL CEMENT. DISPLACED W/ 353.0 BBLS 2% CLAY WBM.FINAL CIR PRESSURE 1650 PSI. BUMPED PLUG 500 PSI OVER 5/14/2014 @ 15:10 HRS.FLOATS HELD. RELEASE PRESSURE. BLED BACK 3 BBLS. 20 BBLS TUNED SPACER BACK TO SURFACE.																																																
16:00	18:00	2.00	P	CASPRD1	42	OTHER	FLUSH LINES AND RD HALCO																																																
18:00	20:00	2.00	P	CASPRD1	29	NDBOPE	REMOVE FLWLINE AND BELL NIPPLE. ND AND LIFT STACK. WAITE ON WEATHERFORD WELLHEAD TECH.																																																
20:00	22:00	2.00	P	CASPRD1	36	CLNMUD	CLEAN MUD TANKS WHILE RIGGING DOWN.																																																
22:00	01:00	3.00	P	CASPRD1	42	OTHER	SET SLIPS W/ 90K AND ROUGH CUT CASING																																																
01:00	03:00	2.00	P	CASPRD1	29	NDBOPE	LD BOP STACK AND LIFT WINCHES. INSTALL TA CAP.																																																
03:00	06:00	3.00	P	CASPRD1	36	CLNMUD	CLEAN TANKS & BEGAN RIG DOWN																																																
Daily Operations Comments																																																							

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4416CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RODNEY SHULTZ / MICHAEL AARON Engineer/Manager: BAKER, BRENT / EVANS PERRY		Report Number: 013 Report Date: 05/15/2014 Spud Date: 05/05/2014 Release Date: DFLS: 10.00 Last BOP T.: 05/04/2014 Safety & Environmental Incident: No		AFE Days: 12	
Depth md/tvd (ft): 15,255.03 / 6,893.10 Progress: ROP: / = 0.00 Proposed TD (ft): 15,254.00 Next Csg Point (ft): 15,255.03		Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,711.01 Ground Level (ft): 2,686.0 POB: 29 Total Man Hours: 348.00		Drlg Comp Fac Total		AFE #: Day Cost(\$): Cum Cost(\$): AFE(\$):	
Current Activity: RDMO. RIG RELEASE @ 0600 HRS. 5/14/2014. 24 Hr Summary: CLEAN TANKS & RDMO. 24 Hr Forecast: MOVE RIG F/ UE-4416-CH T/ UE- 4411-IH.		D M Cost(\$): \$0.00 C M Cost(\$): \$84,138.55 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 min/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		Casing Size(in) MD(ft)/TVD(ft) FIT/LOT(ppf)	
MUD PROPERTIES Fluids Co.: BAROID Fluids Eng: Donald Gillaspay Time: 16:00 Location: JCTION TANK Pit Temp: Depth (ft): 15,255.03 Density (ppg): 9.10 FV (s/qt): 52 PV (cp): 15 YP (lb/100ft²): 15 Gels (): 12/16/20 WL: 9.40 HTHP (°F): 250 Cake: 2.00 Solids (lbm/bbl): 49 ECD:		MUD MATERIALS D M Cost(\$): \$0.00 C M Cost(\$): \$84,138.55 Mud Additives Used		BIT RECORD Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB min/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		Casing Size(in) MD(ft)/TVD(ft) FIT/LOT(ppf)	
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