



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/7/2013  
Report #: 1  
Actual Days: 0.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Conductor, 56.0ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 156,041.00
--------------------------	---	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 156,041.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days)

### Ops and Depth @ Morning Report

RU CONDUCTOR & FLOWLINE

### Last 24hr Summary

MOVE RIG FROM UA 193 TO UA 230' SPOT EQUIP START RIG UP SET SUB CENTER SECTION BOP HANDLER SPOT DOG HOUSE SET WRANGLER RU EQUIP

### 24hr Forecast

DRILL 12 1/4" SURF HOLE RUN CSG

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
12:00	18:30	6.50	MIRU	MOVE	SFTY	P	56.0	56.0	PJSM RIG DOWN RIG & EQUIP START RIG MOVE TO UA 230
18:30	04:00	9.50	MIRU	MOVE	MOB	P	56.0	56.0	ALL EQUIP ON LOC 6:30 SPOT SUB SET CENTER SECTION SET BOP HANDLER RU EQUIP TIE IN ELECTRICAL
04:00	06:00	2.00	MIRU	MOVE	RURD	P	56.0	56.0	FILL STEEL PITS PU RU CONDUCTOR & FLOWLINE

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	WELDER	CONTRACTOR	1	2.00	2.00
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
BAROID	MUD PERSONNEL	CONTRACTOR	3	6.00	18.00
BAROID MUD CO	MUD PERSONNEL	CONTRACTOR	2	2.00	4.00
BIG D EQUIPMENT CO	OTHER	CONTRACTOR	32	11.00	352.00
BIG D EQUIPMENT CO	OTHER	CONTRACTOR	4	7.00	28.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CONOCOPHILLIPS CO	SAFETY PERSONNEL	CONTRACTOR	1	10.00	10.00
DXP	SAFETY PERSONNEL	CONTRACTOR	1	3.00	3.00
E.L.FARMERS	OTHER	CONTRACTOR	1	2.00	2.00
EL FARMER	FIRST DELIVERY	CONTRACTOR	2	4.00	8.00
FAS-LINE SALES & RENTAL	ROUSTABOUT CREW	CONTRACTOR	1	3.00	3.00
FAS-LINE SALES & RENTAL	ROUSTABOUT CREW	CONTRACTOR	12	11.00	132.00
GATOR	CASING CREW	CONTRACTOR	4	2.50	10.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	8.00	8.00
H&P	OTHER	CONTRACTOR	3	8.00	24.00
HARRIS RATHOLE SERVICE	OTHER	CONTRACTOR	5	10.00	50.00
HB RENTAL	PORTABLE TOILET HAND	CONTRACTOR	4	8.00	32.00
KELLY SERVICES	OTHER	CONTRACTOR	4	3.00	12.00
KEY ENERGY SERVICES	TRUCKER	CONTRACTOR	3	4.00	12.00
KOJO ENERGY INC	ROUSTABOUT CREW	CONTRACTOR	3	4.00	12.00
LTR	OTHER	CONTRACTOR	1	6.00	6.00
NABORS WELL SERVICES LTD	TRUCKER	CONTRACTOR	7	12.00	84.00
NOV	OTHER	CONTRACTOR	2	2.00	4.00
RIGNET	OTHER	CONTRACTOR	1	4.00	4.00
ROCK WATER	TRUCKER	CONTRACTOR	2	10.00	20.00
ROCKWATER	TRUCKER	CONTRACTOR	2	8.00	16.00
RODAN TRUCKING	TRUCKER	CONTRACTOR	15	10.00	150.00
SAFETY INTERNATIONAL	SAFETY PERSONNEL	CONTRACTOR	2	6.00	12.00
SIERRA ENGINEERING	SAFETY PERSONNEL	CONTRACTOR	10	12.50	125.00
WEST CO	OTHER	CONTRACTOR	4	8.00	32.00

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/8/2013  
Report #: 2  
Actual Days: 1.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Conductor, 56.0ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 194,333.00
--------------------------	---	------------------------------------	--------------------------------------	-------------------------------

### Day Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 1,458.0	Depth Progress (ft) 1,402.00	Daily Cost Total 38,292.00
Weather	Hole Condition	Drilling Hours (hrs) 15.50	Average ROP (ft/hr) 90.5	Days From Spud (days) 0.69

### Ops and Depth @ Morning Report

CIRC & CONDITION HOLE

### Last 24hr Summary

CONT RU PRE SPUD INSPECT CORRECT ALL ITEMS TEST EXCEPT RIG STRAP BHA SPUD 12 1/4" HOLE DRILL F/56' -

SPOKE W/OPERATOR 10 SUNDAY (GWEN) 4/7/2013

### 24hr Forecast

POH RUN 9 5/8" CSG CMT MU BOP TEST

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	13:30	7.50	MIRU	MOVE	RURD	P	56.0	56.0	CONT RU TEST LINES PRE SPUD INSPECTION CORRECT ALL NEEDING ATTENTION STRAP BHA PU BIT DC'S RIH TAG UP 56 ' SPUD HOLE @ 13:00 HR.
13:30	05:00	15.50	SURFAC	DRILL	DRLG	P	56.0	1,458.0	DRILL F/56' - 1458' TD SURF
05:00	06:00	1.00	SURFAC	CASING	COND	P	1,458.0	1,458.0	PUMP 2 HI VIS SWEEPS CIRC & COND HOLE

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
DXP	SAFETY PERSONNEL	CONTRACTOR	4	2.00	8.00
EL FARMER	TRUCKER	CONTRACTOR	4	2.00	8.00
GE	WELLHEAD HAND	CONTRACTOR	1	1.00	1.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H&P	OTHER	CONTRACTOR	1	4.00	4.00
JORN	WELDER	CONTRACTOR	2	3.00	6.00
NOV	VENDOR	CONTRACTOR	1	1.00	1.00
ROCKWATER	TRUCKER	CONTRACTOR	1	5.00	5.00
SCHLUMBERGER	OTHER	CONTRACTOR	2	1.00	2.00
TUBOSCOPE	CASING CREW	CONTRACTOR	3	4.00	12.00
WEATHERFORD	OTHER	CONTRACTOR	1	1.00	1.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
56.0	1,458.0	1,402.00	15.50	90.5	500	46,000.0	85	1,650.0	6,500.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	-4.5			36.00		



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/9/2013**  
**Report #: 3**  
**Actual Days: 2.75**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 293,972.00
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 1,458.0	Depth Progress (ft) 0.00	Daily Cost Total 99,639.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 1.69

**Ops and Depth @ Morning Report**  
TESTING BOP

**Last 24hr Summary**

POH W/SURF BHA RU CRT RIH W/9 5/8" SURF CSG PU LANDING JT LAND

**24hr Forecast**

TEST BOP RIH D/O FC FS 10' NEW FORMATION PERFORM F I T DRILL 8 3/4" PROD HOLE.

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	10:30	4.50	SURFAC	CASING	TRIP	P	1,458.0	1,458.0	TOH W/SURF BHA  SURVEY W/TOTCO .22 DEG @ 1458'
10:30	11:30	1.00	SURFAC	CASING	SVRG	P	1,458.0	1,458.0	CLEAN UP RIG FLOOR SERVICE RIG
11:30	14:00	2.50	SURFAC	CASING	RURD	P	1,458.0	1,458.0	RU CRT HYD SLIPS FUNCTION TEST ALL CALIBRATE CROWN SAVER
14:00	19:30	5.50	SURFAC	CASING	RNCS	P	1,458.0	1,458.0	PU FS FC RIH W/9 5/8" 36# J-55 CSG RUNNING TIGHT WASH DOWN F/950' TO TD SET FC @ 1400' W/FS @ 1445' LAND CIRC HOLE
19:30	20:00	0.50	SURFAC	CEMENT	SFTY	P	1,458.0	1,458.0	PJSM W/CMT CREW
20:00	20:30	0.50	SURFAC	CEMENT	RURD	P	1,458.0	1,458.0	RU CMT EQUIP PRESS TEST LINES 3000#
20:30	21:30	1.00	SURFAC	CEMENT	CMNT	P	1,458.0	1,458.0	PUMP 20 BBLS FW SPACER FOLLOW BY 121 BBLS 13.6 BBLS 13.6 PPG FOLLOW BY 59 BBLS 14.8 PPG TAIL CMT SD DROP PLUG DISPLACE W/108 BBLS FW BUMP PLUG SD  CMT TO SURF 58 BBSL
21:30	22:00	0.50	SURFAC	CEMENT	RURD	P	1,458.0	1,458.0	ND LD LANDING JT
22:00	02:00	4.00	SURFAC	CEMENT	NUND	P	1,458.0	1,458.0	NU BOP, CHOKE LINES HARD LINES & FLOWLINE, HOOK UP KOOMEY FUNCTION TEST RE CRT RECALIBRATE BLOCKS PU TEST PLUG INSTALL
02:00	02:30	0.50	SURFAC	CEMENT	SFTY	P	1,458.0	1,458.0	PJSM W/BOP TESTER
02:30	06:00	3.50	SURFAC	CEMENT	BOPE	P	1,458.0	1,458.0	RU INSTALL TEST PLUG START BOP TESTING

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
FAB TECH	WELDER	CONTRACTOR	1	3.00	3.00
GE OIL AND GAS	WELLHEAD HAND	CONTRACTOR	1	6.00	6.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
PDC LOGIC	VENDOR	CONTRACTOR	1	1.00	1.00
ROCKWATER	TRUCKER	CONTRACTOR	1	1.00	1.00
SCHLUMBERGER	CMT CREW	CONTRACTOR	7	12.00	84.00
SMITH DRILCO	VENDOR	CONTRACTOR	1	1.00	1.00
SST	VENDOR	CONTRACTOR	1	1.00	1.00
STABIL DRILL	OTHER	CONTRACTOR	1	1.00	1.00
TELEDRIFT	OTHER	CONTRACTOR	2	1.00	2.00

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/10/2013  
Report #: 4  
Actual Days: 3.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 364,627.00
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 2,675.0	Depth Progress (ft) 1,217.00	Daily Cost Total 70,655.00
Weather	Hole Condition	Drilling Hours (hrs) 15.50	Average ROP (ft/hr) 78.5	Days From Spud (days) 2.69

### Ops and Depth @ Morning Report

DRILLING @ 2675'

### Last 24hr Summary

FINISH TEST BOPE, MU 8.75" NOV. BHA RIH, TEST SURF. CSG. DRILL SHOE TRACK, FIT, DRILL 8.75" INTERM. FR. 1468.' TO 2675".

### 24hr Forecast

DRILL AHEAD AS DIRECTED

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:00	2.00	SURFAC	CEMENT	BOPE	P	1,458.0	1,458.0	FINISH TEST BOPE ANN. 250 LOW 2100 HIGH, FLOOR, IBOP, WING, CHOKE MAN, PIPE BLINDS 250 LOW 3000 HIGH, MUD LINES TO MUD PUMP 250 LOW 4100 HIGH
08:00	08:30	0.50	SURFAC	CEMENT	PULD	P	1,458.0	1,458.0	RIG DN TESTER AND INSTALL WEAR BUSHING CO. REP WITNESS
08:30	12:30	4.00	SURFAC	CEMENT	TRIP	P	1,458.0	1,458.0	MU 8.75" NOV PDC, DSHI, BHA RIH SURVEY 500.'0.40 1000.'0.50 INSTALL ROTATE HD TAG 1365.'
12:30	13:15	0.75	SURFAC	CEMENT	PRTS	P	1,458.0	1,458.0	PRESS. TEST 9.625" 2100 PSI F/ 30 MIN OK
13:15	14:15	1.00	SURFAC	CEMENT	COCF	P	1,458.0	1,468.0	DRILL SHOE TRACK FR. 1365.' TO 1468..'
14:15	14:30	0.25	SURFAC	CEMENT	FIT	P	1,468.0	1,468.0	FIT MUD WT 9.8 PPG TEST PRESS 245 PSI MUD WT EQV 13.0 PPG
14:30	06:00	15.50	INTRM1	DRILL	DRLG	P	1,468.0	2,675.0	DRILL INTERM. SECTION FR. 1468.' TO 2675'

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
ARGUINDEGUI OIL CO	FUEL HAULER	CONTRACTOR	1	3.00	3.00
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
BATTLE ENERGY SERVICES	OTHER	CONTRACTOR	1	4.00	4.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CONOCOPHILLIPS CO	SUPERINTENDENT	EMPLOYEE	2	2.00	4.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	2	4.00	8.00
FAS-LINE SALES & RENTAL	VENDOR	CONTRACTOR	1	2.00	2.00
FRONTIER MOBIL HOUSING	OTHER	CONTRACTOR	1	4.00	4.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	6.00	6.00
H B RENTALS	OTHER	CONTRACTOR	2	3.00	6.00
ULTERRA	VENDOR	CONTRACTOR	1	2.00	2.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (")	dP (SPP) (psi)
1,458.0	2,675.0	1,217.00	15.50	78.5	350	20,000.0	70	1,000.0	7,000.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/11/2013**  
**Report #: 5**  
**Actual Days: 4.75**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 397,512.00
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 3,802.0	Depth Progress (ft) 1,127.00	Daily Cost Total 32,885.00
Weather	Hole Condition	Drilling Hours (hrs) 23.50	Average ROP (ft/hr) 48.0	Days From Spud (days) 3.69

**Ops and Depth @ Morning Report**

DRILLING @ 3802'

**Last 24hr Summary**

DRILL 8.75" INTERM SECT FR/ 1468' - T/ 2675'.

**24hr Forecast**

DRILL AHEAD AS DIRECTED

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	18:00	12.00	INTRM1	DRILL	DRLG	P	2,675.0	3,351.0	DRILL 8.75" INTERM. SECT. F/ 2675' - T/ 3351'.
18:00	05:30	11.50	INTRM1	DRILL	DRLG	P	3,351.0	3,802.0	DRILL 8.75" INTERM. SECT. F/ 3351' - T/ 3802'.
05:30	06:00	0.50	INTRM1	DRILL	SVRG	P	3,802.0	3,802.0	RIG SERVICE.

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	4	6.00	24.00
DRILCO GROUP	OTHER	CONTRACTOR	1	5.00	5.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	OTHER	CONTRACTOR	2	3.00	6.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
PDC LOGIC	VENDOR	CONTRACTOR	1	2.00	2.00
ROCKWATER	TRUCKER	CONTRACTOR	1	2.00	2.00

**Drilling Parameters**

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
2,675.0	3,802.0	2,344.00	23.50	48.0	350	20,000.0	70	1,000.0	6,000.0		

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/12/2013  
Report #: 6  
Actual Days: 5.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 440,019.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 5,154.0	Depth Progress (ft) 1,352.00	Daily Cost Total 41,482.84
Weather	Hole Condition	Drilling Hours (hrs) 23.50	Average ROP (ft/hr) 57.5	Days From Spud (days) 4.69

### Ops and Depth @ Morning Report

DRILLING AHEAD @ 5154'.

### Last 24hr Summary

DRILL 8.75" INTERM SECT. F/ 3802' - T/ 5154'.

### 24hr Forecast

DRILL AHEAD AS DIRECTED

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	18:00	12.00	INTRM1	DRILL	DRLG	P	3,802.0	4,433.0	DRILL 8.75" INTERM SECT F/ 3802' - T/ 4433'.
18:00	18:30	0.50	INTRM1	DRILL	SVRG	P	4,433.0	4,433.0	SERVICE TOP DRIVE
18:30	06:00	11.50	INTRM1	DRILL	DRLG	P	4,433.0	5,154.0	DRILL 8.75" INTERM SECT F/ 4433' - T/ 5154'.

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
BAROID MUD CO	MUD PERSONNEL	CONTRACTOR	1	1.00	1.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	3.00	3.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	5	5.00	25.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	3.00	3.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	8.00	8.00
H B RENTALS	OTHER	CONTRACTOR	1	3.00	3.00
HALLIBURTON	TOOL HAND	CONTRACTOR	1	1.00	1.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
TSS	OTHER	CONTRACTOR	1	1.00	1.00
TUBOSCOPE INC (VETCO)	ROUSTABOUT CREW	CONTRACTOR	3	10.00	30.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
3,802.0	5,154.0	3,696.00	23.50	57.5	350	20,000.0	70	1,000.0	6,500.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/16/2013		26.00		





**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/13/2013**  
**Report #: 7**  
**Actual Days: 6.75**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 478,772.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 6,011.0	Depth Progress (ft) 857.00	Daily Cost Total 38,753.00
Weather	Hole Condition	Drilling Hours (hrs) 20.75	Average ROP (ft/hr) 41.3	Days From Spud (days) 5.69

**Ops and Depth @ Morning Report**

DRILLING AHEAD @ 6011'.

**Last 24hr Summary**

DRILL 8.75" INTERM SECT. F/ 5154' - T/ 6011'.

**24hr Forecast**

DRILL AHEAD AS DIRECTED

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	14:30	8.50	INTRM1	DRILL	DRLG	P	5,154.0	5,651.0	DRLG 8.75" INTERM F/ 5154' - T/ 5651'.
14:30	15:15	0.75	INTRM1	DRILL	CIRC	T	5,651.0	5,651.0	LOST RETURNS, PU CIRC BUILD 16 PPB HIGH VIS SWEEP
15:15	18:00	2.75	INTRM1	DRILL	DRLG	P	5,651.0	5,784.0	DRLG F/ 5651' - T/ 5784' W/ REDUCE FLOW 375 GPM, INCREASE LCM IN SWEEPS
18:00	20:00	2.00	INTRM1	DRILL	SRVY	T	5,784.0	5,784.0	SURVEY OF 2.3° @ 5784', PULL UP TO CHECK PREVIOUS SURVEY POINT & REAM
20:00	05:30	9.50	INTRM1	DRILL	DRLG	P	5,784.0	6,011.0	DRLG F/ 5784' - T/ 6011'.
05:30	06:00	0.50	INTRM1	DRILL	SVRG	P	6,011.0	6,011.0	RIG SERVICE.

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	5.50	5.50
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00

**Drilling Parameters**

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
5,154.0	6,011.0	4,553.00	20.75	41.3	350	20,000.0	70	1,000.0	6,000.0		

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/16/2013		26.00		



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/14/2013**  
**Report #: 8**  
**Actual Days: 7.75**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 524,962.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 6,597.0	Depth Progress (ft) 586.00	Daily Cost Total 46,190.00
Weather	Hole Condition	Drilling Hours (hrs) 23.50	Average ROP (ft/hr) 24.9	Days From Spud (days) 6.69

**Ops and Depth @ Morning Report**

DRILLING AHEAD @ 6597'.

**Last 24hr Summary**

DRILL 8.75" INTERM SECT. F/ 6011' - T/ 6597'.

**24hr Forecast**

DRILL AHEAD AS DIRECTED

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	17:30	11.50	INTRM1	DRILL	DRLG	P	6,011.0	6,326.0	DRILL 8.75" INTERM SECT F/ 6011' - T/ 6326'.
17:30	18:00	0.50	INTRM1	DRILL	SVRG	P	6,326.0	6,326.0	RIG SERVICE.
18:00	06:00	12.00	INTRM1	DRILL	DRLG	P	6,326.0	6,597.0	DRILL 8.75" INTERM SECT F/ 6326' - T/ 6597'.

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
ARGUINDEGUI OIL CO	FUEL HAULER	CONTRACTOR	1	4.00	4.00
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
NOV (NATIONAL OILWELL VARCO)	VENDOR	CONTRACTOR	1	3.00	3.00

**Drilling Parameters**

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
6,011.0	6,597.0	5,139.00	23.50	24.9	350	20,000.0	70	1,000.0	6,200.0		

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/16/2013		26.00		





# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/15/2013  
Report #: 9  
Actual Days: 8.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,258.00	

### Job Summary

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 558,630.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 6,673.0	Depth Progress (ft) 76.00	Daily Cost Total 33,668.00
Weather	Hole Condition	Drilling Hours (hrs) 2.00	Average ROP (ft/hr) 38.0	Days From Spud (days) 7.69

Ops and Depth @ Morning Report  
POOH TO FISH

### Last 24hr Summary

DRILL 8.75" INTERM SECT. F/ 6597' - T/ 6673', POOH FOR MOTOR & CHANGE BIT, TIH, DRILL F/ 6673' - T/ 6705', POOH DUE TO LOSS OF STRING WEIGHT (47K).

### 24hr Forecast

CONT POOH, RETRIEVE FISH, DRILL 8.75" INTERM SECT.

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:00	2.00	INTRM1	DRILL	DRLG	P	6,597.0	6,673.0	DRLG F/ 6597' - T/ 6673'.
08:00	15:30	7.50	INTRM1	DRILL	TRIP	T	6,673.0	6,673.0	LOSS OF 800 PSI, POOH LOOK FOR WASHOUT, POOH F/ 6673' - T/ 649', PULL ROT HEAD, TOOH F/ 649' - T/ BIT, FOUND EQUALIZING PORT ON MOTOR LEAKING.
15:30	16:00	0.50	INTRM1	DRILL	SVRG	T	6,673.0	6,673.0	RIG SERVICE
16:00	23:00	7.00	INTRM1	DRILL	TRIP	T	6,673.0	6,673.0	P/U & M/U BIT & MOTOR, TIH F/ 36' - T/ 6673'.
23:00	00:30	1.50	INTRM1	DRILL	DRLG	P	6,673.0	6,705.0	DRLG F/ 6673' - T/ 6705'.
00:30	02:00	1.50	INTRM1	DRILL	OTHR	T	6,705.0	6,705.0	TROUBLESHOOT PRESSURE LOSS, NO LEAKS ON SURFACE, PUMPED STRING SAW NO PRESSURE SPIKE, DECISION MADE TO DRILL AHEAD AND WATCH TRENDS, 3 FT OFF BOTTOM LOST 47K LBS STRING WEIGHT.
02:00	06:00	4.00	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	POOH DUE TO LOSS OF STRING WEIGHT (47K)

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CONOCOPHILLIPS CO	SAFETY PERSONNEL	CONTRACTOR	1	4.00	4.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	3.00	3.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	2	2.00	4.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
PDC LOGIC	VENDOR	CONTRACTOR	1	2.00	2.00
SCHLUMBERGER	TRUCKER	CONTRACTOR	1	6.00	6.00
TUBOSCOPE INC (VETCO)	OTHER	CONTRACTOR	3	2.00	6.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
6,597.0	6,673.0	5,215.00	2.00	38.0	350	20,000.0	70	1,000.0	6,200.0		
6,673.0	6,705.0	32.00	3.50	9.1	350	20,000.0	70	1,000.0	6,200.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/16/2013		26.00		



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/16/2013**  
**Report #: 10**  
**Actual Days: 9.75**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,258.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 643,966.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 6,705.0	Depth Progress (ft) 0.00	Daily Cost Total 75,836.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 8.69

**Ops and Depth @ Morning Report**

STRAP & PU BHA FOR TIH

**Last 24hr Summary**

POOH DUE TO LOSS OF STRING WEIGHT (47K), TIH W/ FISHING TOOLS, ENGAGE FISH, POOH, M/U BHA

**24hr Forecast**

TIH, DRILL AHEAD AS DIRECTED

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:00	2.00	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	POOH F/ 4433' - T/ 2600'.
08:00	09:30	1.50	INTRM1	DRILL	CIRC	T	6,705.0	6,705.0	MIX CIRCULATE 150 BBLs 11 PPG CC MUD DOWN HOLE INTO TRIP TANK.
09:30	12:00	2.50	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	CONT POOH F/ 2600' - T/ SURFACE 1110.' OF FISH 11.5 JTS DP & BHA
12:00	12:30	0.50	INTRM1	DRILL	SVRG	T	6,705.0	6,705.0	RIG SERVICE, CLEAN & CLEAR RIG FLOOR.
12:30	13:00	0.50	INTRM1	DRILL	OTHR	T	6,705.0	6,705.0	STAGE & STRAP FISHING TOOLS.
13:00	16:00	3.00	INTRM1	DRILL	CIRC	T	6,705.0	6,705.0	PU FISHING BHA, TIH TO 2600.'INSTALL ROT HEAD & DISPLACE 11 PPG MUD BACK TO PRE-MIX TANK, W/ 10 PPG MUD.
16:00	21:30	5.50	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	TIH, TAG FISH @ 5595.' WORK OVER FISH, PULL 150K OVER, SET JARS OFF, POOH F/ 5595' - T/ .1500.'
21:30	23:00	1.50	INTRM1	DRILL	CIRC	T	6,705.0	6,705.0	FISH PLUGGED DISPLACE TRIP TANK W/ 11.5 PPG CC MUD TO FILL HOLE
23:00	03:30	4.50	INTRM1	DRILL	TRIP	T	6,705.0	5.5	CONT. POOH SECURE FISH LD FISHING EQUIP. INSPECT WASH OUT BHA LD FISH CLEAN FLR MUD AND UNUSED EQUIP.
03:30	05:00	1.50	INTRM1	DRILL	SLPC	T	6,705.0	6,705.0	REVIEW EJSA, SLIP & CUT (13 WRAPS)
05:00	06:00	1.00	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	PREP RIG FLOOR FOR TIH, STRAP & LOAD BHA.

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	5	3.00	15.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
HUGHES OILFLD TRANSP	TRUCKER	CONTRACTOR	1	2.00	2.00
NOV (NATIONAL OILWELL VARCO)	VENDOR	CONTRACTOR	1	2.00	2.00
SCHLUMBERGER	OTHER	CONTRACTOR	1	23.00	23.00

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/16/2013		26.00		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/17/2013  
Report #: 11  
Actual Days: 10.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,242.50	Original KB/RT Elevation (ft) 3,258.00	

### Job Summary

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 678,997.84
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 6,705.0	Depth Progress (ft) 0.00	Daily Cost Total 35,188.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 9.69

### Ops and Depth @ Morning Report

DRLG @ 7314'

### Last 24hr Summary

FINISH RIH DRILL 8.75" INTERM. SECT. FR.6705.' TO 7314'

### 24hr Forecast

TD INT @ 7628, COND HOLE, LDDS, OH LOG

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:30	2.50	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	MU BHA RIH TO 1150.'
08:30	09:00	0.50	INTRM1	DRILL	RGRP	T	6,705.0	6,705.0	REPAIR PIPE WRANGLER
09:00	09:30	0.50	INTRM1	DRILL	SVRG	T	6,705.0	6,705.0	SERVICE TOP DRIVE WRANGLER
09:30	14:00	4.50	INTRM1	DRILL	TRIP	T	6,705.0	6,705.0	CONT. RIH DISPLACE 11. PPG MUD FROM TRIP TANK TO PRE-MIX
14:00	06:00	16.00	INTRM1	DRILL	DRLG	P	6,705.0	7,314.0	DRILL 8.75" INTERM SECT. FR. 6705.' TO 7314'

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK	TRUCKER	CONTRACTOR	1	2.00	2.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	0.50	0.50
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SUPERINTENDENT	CONTRACTOR	1	3.00	3.00
HB RENTALS	OTHER	CONTRACTOR	1	1.00	1.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
LIGHT TOWER RENTALS	VENDOR	CONTRACTOR	1	1.00	1.00
SST	VENDOR	CONTRACTOR	1	1.00	1.00
TUBOSCOPE INC (VETCO)	OTHER	CONTRACTOR	2	2.00	4.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
6,705.0	7,314.0	609.00	16.00	38.1	350	20,000.0	70	1,000.0	6,500.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/19/2013		26.00		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/18/2013  
Report #: 12  
Actual Days: 11.75

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 754,476.53
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,314.0	Depth Progress (ft) 0.00	Daily Cost Total 46,107.69
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 10.69

### Ops and Depth @ Morning Report

RUNNING OH LOG

### Last 24hr Summary

DRILL 8.75" INTERM SECT. F/ 7314 TO TD @ 7628'. POOH, LDDS, R/U LOGGERS, FIRST RUN

### 24hr Forecast

FINSH LOGS, RUN 7" INT CSG, CMT SAME

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	13:00	7.00	INTRM1	DRILL	DRLG		7,314.0	7,628.0	DRLG F/ 7628' T/ TD @ 7628'
13:00	13:30	0.50	INTRM1	EVALFM	CIRC		7,628.0	7,628.0	COND HOLE, SPOT LCM PILL ON BTM
13:30	18:00	4.50	INTRM1	EVALFM	TRIP		7,628.0	7,628.0	POOH F/ 7628' T/2650', SPOT 10 BBL 30 VIS LCM PILL @ 2650' /POOH TO 2550.'
18:00	19:00	1.00	INTRM1	EVALFM	CIRC		7,628.0	7,628.0	DISPLACE HOLE F/ 2550' T/ SURF W/ 11. H PPG MUD
19:00	22:30	3.50	INTRM1	EVALFM	TRIP		7,628.0	7,628.0	POOH F/ 2550', LDDS
22:30	23:00	0.50	INTRM1	EVALFM	TRIP		7,628.0	7,628.0	PULLED WEAR BUSHING, CO MAN WITNESSED
23:00	23:30	0.50	INTRM1	EVALFM	TRIP		7,628.0	7,628.0	CLEANED RIG FLOOR
23:30	00:00	0.50	INTRM1	EVALFM	SVRG		7,628.0	7,628.0	REVIEW JSA, LUBE RIG
00:00	02:00	2.00	INTRM1	EVALFM	RURD		7,628.0	7,628.0	JSA W/ HALLIBURTON, CO MAN, H&P, R/U LOGGING EQUIPMENT
02:00	06:00	4.00	INTRM1	EVALFM	ELOG		7,628.0	7,628.0	1ST RUN WITH OH LOGGING TOOLS

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
ARGUINDEGUI OIL CO	FUEL HAULER	CONTRACTOR	1	2.00	2.00
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CONOCOPHILLIPS CO	OTHER	EMPLOYEE	1	8.00	8.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HALLIBURTON	OTHER	CONTRACTOR	5	9.00	45.00
HB RENTALS	VENDOR	CONTRACTOR	1	1.50	1.50
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
HUNTING ENERGY SERVICES	VENDOR	CONTRACTOR	1	0.50	0.50
PDC LOGIC	VENDOR	CONTRACTOR	1	0.50	0.50
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	1	0.50	0.50

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
7,314.0	7,628.0	923.00	7.00	44.9	350	20,000.0	70	1,000.0	6,500.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.6	18.5	4/19/2013		26.00		



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/19/2013**  
**Report #: 13**  
**Actual Days: 12.79**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Surface, 1,445.7ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 956,058.57
--------------------------	--	------------------------------------	--------------------------------------	-------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,314.0	Depth Progress (ft) 0.00	Daily Cost Total 201,582.04
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 11.69

**Ops and Depth @ Morning Report**  
R/U CMT

**Last 24hr Summary**

FINISH OH LOGS, RUN RUN 182 JOINTS INTERM. 7" 26PPFT,L-80 CSG. BOND COAT FR.5216.'-3678.5' SET @7613.8/ 2- MKR JT. TOP @ 5969.2' / 7287.0'

**24hr Forecast**

CMT 7", CHANGE RAMS, BEGIN DRLG PROD HOLE

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	11:00	5.00	INTRM1	EVALFM	ELOG	P	7,628.0	7,628.0	FINISH E-LOG RIG DOWN
11:00	11:30	0.50	INTRM1	CASING	SVRG	P	7,628.0	7,628.0	RIG SERVICE FLR AND TOP DRIVE
11:30	12:30	1.00	INTRM1	CASING	RURD	P	7,628.0	7,628.0	RIG UP EXPRESS CRT
12:30	16:00	3.50	INTRM1	CASING	RNCS	P	7,628.0	7,628.0	RUN 182 JOINTS INTERM. 7" 26PPFT,L-80 CSG. BOND COAT FR.5216.'-3678.5' SET @7613.8/ 2- MKR JT. TOP @ 5969.2' / 7287.0'
16:00	17:00	1.00	INTRM1	CASING	CIRC	P	7,628.0	7,628.0	CONDITION AND CIRCULATE HOLE @ 2600
17:00	06:30	13.50	INTRM1	CASING	RNCS	P	7,628.0	7,628.0	CONT RUN 7" TO BOTTOM
06:30	07:00	0.50	INTRM1	CASING	RURD	P	7,628.0	7,628.0	PJSM R/D CSG CREW EQUIPMENT

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	5	6.00	30.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	8	5.00	40.00
EXPRESS ENERGY SERVICES LLC	CASING CREW	CONTRACTOR	3	9.00	27.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HALLIBURTON	MUD PERSONNEL	CONTRACTOR	2	1.00	2.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
SCHLUMBERGER	CMT CREW	CONTRACTOR	6	12.00	72.00

**Drilling Parameters**

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
7,314.0	7,628.0	923.00	7.00	44.9	350	20,000.0	70	1,000.0	6,500.0		

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		



**Daily Partner Report**  
**UNIVERSITY ANDREWS 230**

**Report Date: 4/20/2013**  
**Report #: 14**  
**Actual Days: 13.79**

**Well Info**

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

**Job Summary**

Job Category DRILLING	Last Casing String Intermediate1, 7,613.8ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 1,187,344.57
--------------------------	--	------------------------------------	--------------------------------------	---------------------------------

**Daily Ops Summary**

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,628.0	Depth Progress (ft) 0.00	Daily Cost Total 211,128.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 12.69

**Ops and Depth @ Morning Report**  
RIH @ 3641'

**Last 24hr Summary**

CMT 7" CSG, 110 BBLS TO SURF, C/O BOP PIPE RAMS F/4.5" T/4.0", TEST BOP & FLOOR VALVES, RIH T/ 535', WHILE INSTALLING ROTATING HEAD, WELL BURPED, SIDPP-0PSI, SICP-0PSI, NO FLOW, TESTED CSG TO 500PSI (GOOD), TESTED PACK OFF T/ 5000PSI (GOOD), CONT RIH T/ 2375'

**24hr Forecast**

RIH, CSG TEST, DRL OUT CMT/10' OF NEW FORMATION, FIT T/ 12PPG EMW, BEGIN DRLG PROD HOLE

**Time Log**

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	11:00	5.00	INTRM1	CEMENT	CMNT	P	7,628.0	7,628.0	PJSM RIG UP SCHL. TEST LINES TO 3500 PSI, PUMP 20 BBLS FW SPACER, 20 BBL MUD PUSH, 289 BBLS 10.69 PPG LEAD, 124 BBLS @ 13.2 PPG TAIL, DISPLACE W/ 284 BBLS FW, BUMP PLUG, HELD 500LBS OVER FOR 5 MIN. PJSM RIG DOWN  110 BBLS CMT TO SURF
11:00	11:30	0.50	INTRM1	CEMENT	RURD	P	7,628.0	7,628.0	PJSM, RIG DOWN CRT
11:30	12:30	1.00	INTRM1	CEMENT	OTHR	P	7,628.0	7,628.0	SET PACK OFF
12:30	13:30	1.00	INTRM1	CEMENT	SVRG	P	7,628.0	7,628.0	CLEANED OFF RIG FLOOR, LUBE RIG
13:30	14:30	1.00	INTRM1	CEMENT	NUND	P	7,628.0	7,628.0	C/O BOP PIPE RAMS F/ 4.50" T/ 4.00"
14:30	17:00	2.50	INTRM1	CEMENT	PRTS	P	7,628.0	7,628.0	PJSM, R/U TEST EQUIPMENT, TEST BOP PIPE RAMS, TIW, DART VALVE @ 250PSI LOW/3000PSI HIGH
17:00	18:00	1.00	INTRM1	CEMENT	RURD	P	7,628.0	7,628.0	R/U SAVER SUB, STABBIN GUIDE, DP ELEVATORS F/ 4.5" T/ 4"
18:00	21:30	3.50	INTRM1	CEMENT	OTHR	P	7,628.0	7,628.0	CLEAN RIG FLOOR, STRAP/LOAD BHA, P/U 4" HANDELING EQUIPMENT
21:30	00:00	2.50	INTRM1	CEMENT	TRIP	P	7,628.0	7,628.0	M/U BIT, P/U BHA, INSTALL ROTATING HEAD, RIH T/ 535'
00:00	02:30	2.50	INTRM1	CEMENT	KLWL	T	7,628.0	7,628.0	WHILE INSTALLING ROTATING HEAD, WELL BURPED, SI (SIDPP-0, SICP-0). OPENED WELL BACK UP, NO FLOW
02:30	03:00	0.50	INTRM1	CEMENT	PRTS	T	7,628.0	7,628.0	PT CSG T/ 500PSI FOR 15 MIN CO-MAN WITNESSED(GOOD)
03:00	03:30	0.50	INTRM1	CEMENT	OWFF	T	7,628.0	7,628.0	MONITORED FLOW IN TRIP TANK (NO FLOW)
03:30	04:00	0.50	INTRM1	CEMENT	PRTS	T	7,628.0	7,628.0	G.E. TESTED PACK OFF T/5000PSI CO-MAN WITNESSED (GOOD)
04:00	06:00	2.00	INTRM1	CEMENT	TRIP	P	7,628.0	7,628.0	CONT RIH F/ 535' T/ 2375'

**Head Count / Man Hours**

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
BATTLE ENERGY SERVICES	OTHER	CONTRACTOR	1	12.50	12.50
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	1.00	1.00
EXPRESS ENERGY SERVICES LLC	TOOL HAND	CONTRACTOR	1	6.00	6.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1		0.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00

**Casing Strings**

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		





# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/21/2013  
Report #: 15  
Actual Days: 14.79

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Intermediate1, 7,613.8ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 1,218,612.57
--------------------------	--	------------------------------------	--------------------------------------	---------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,845.0	Depth Progress (ft) 217.00	Daily Cost Total 31,268.00
Weather	Hole Condition	Drilling Hours (hrs) 12.00	Average ROP (ft/hr) 18.1	Days From Spud (days) 13.69

### Ops and Depth @ Morning Report

POOH @ 7015'

### Last 24hr Summary

FINISH RIH TAG 7545.' TEST CSG. 2100,PSI DRILL SHOE TRAC PLUS 10.' TO 7638.' FIT, DRILL FR. 7638.' TO 7845', COND MUD, POOH F/ 7845' T/ 7015'

### 24hr Forecast

POOH, LDDS, R/U LOGGERS, RUN OH LOGS, R/D LOGGER

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	12:00	6.00	INTRM1	CEMENT	TRIP	P	7,628.0	7,628.0	RIH W/ 6.125" BIT PU RANGE 2, 4" FH DP / TAG CMT 7545.'
12:00	12:30	0.50	INTRM1	CEMENT	CIRC	P	7,628.0	7,628.0	CIRCULATE BTMS UP
12:30	13:15	0.75	INTRM1	CEMENT	PRTS	P	7,628.0	7,628.0	TEST 7" INTERM. CSG. 2100. PSI F/ 30 MIN BLEED TO 2080. PSI
13:15	14:00	0.75	INTRM1	CEMENT	COCF	P	7,628.0	7,638.0	DRILL SHOE TRACK PLUS 10.' TO 7638.'
14:00	14:30	0.50	INTRM1	CEMENT	FIT	P	7,638.0	7,638.0	FIT PRESSURE 1360 W/ 8.6 PPG BLEED TO 1345. PSI GOOD TEST
14:30	02:30	12.00	PROD1	DRILL	DRLG	P	7,638.0	7,845.0	DRILL 6.125" PROD. SECTION FR. 7638.' TO 7845'
02:30	04:30	2.00	PROD1	CASING	CIRC	P	7,845.0	7,845.0	CONDITION MUD T/ 9.5PPG W/ 35 VISC, CIRC HOLE CLEAN
04:30	05:00	0.50	PROD1	CASING	SVRG	P	7,845.0	7,845.0	LUBE/SERVICE RIG
05:00	06:00	1.00	PROD1	CASING	TRIP	P	7,845.0	7,845.0	POOH F/ 7845' T/ 7015'

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00

### Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
7,628.0	7,845.0	217.00	12.00	18.1	354	15,000.0	75	1,600.0	8,700.0		

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		
Production1	4 1/2	7,830.0	7,554.5	4/22/2013		11.60		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/22/2013  
Report #: 16  
Actual Days: 15.81

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Intermediate1, 7,613.8ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 1,261,066.49
--------------------------	--	------------------------------------	--------------------------------------	---------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,845.0	Depth Progress (ft) 0.00	Daily Cost Total 38,872.73
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 14.69

Ops and Depth @ Morning Report  
RIH @ 800'

### Last 24hr Summary

POOH, LLDS FOR LOGS, RUN OH LOGS, PREP HALLIBURTON ECP, RIH WITH 4.5" LINER

### 24hr Forecast

RUN LINER TO BTM, SET BWR PACKER AND ECP

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	11:30	5.50	PROD1	EVALFM	TRIP	P	7,845.0	7,845.0	POOH LLDS F/ LOGS
11:30	12:00	0.50	PROD1	CASING	SVRG	P	7,845.0	7,845.0	SERVICE RIG
12:00	12:30	0.50	PROD1	EVALFM	OTHR	P	7,845.0	7,845.0	CLEAN FLOOR FROM MUD AND EXCESS TOOLS F/ LOGGING
12:30	13:00	0.50	PROD1	EVALFM	SFTY	P	7,845.0	7,845.0	PJSM ON RU AND LOGGING
13:00	18:30	5.50	PROD1	EVALFM	ELOG	P	7,845.0	7,845.0	E-LOG PROD SECTION FR. 7845.' TO W/ GR, DSN, COMP SPEC. GR, CALIPER
18:30	19:30	1.00	PROD1	EVALFM	ELOG	P	7,845.0	7,845.0	R/D LOGGING TOOLS
19:30	22:30	3.00	PROD1	CASING	RUNL	P	7,845.0	7,845.0	WAITING ON HALLIBURTON ECP
22:30	03:00	4.50	PROD1	CASING	RUNL	P	7,845.0	7,845.0	PJSM HALLIBURTON PREP ECP, STRAP, FILL W/ RESIN, (30 MIN TO MIX EACH, 45 MIN T/ FILL EACH)
03:00	05:00	2.00	PROD1	CASING	RUNL	P	7,845.0	7,845.0	RUN 4.5" LINER, 11 PPF, L-80, BTC
05:00	05:30	0.50	PROD1	CASING	RURD	P	7,845.0	7,845.0	R/D CSG CREW EQUIPMENT
05:30	06:30	1.00	PROD1	CASING	RUNL	P	7,845.0	7,845.0	TIH W/ 4.5" LINER @ 30FPM PER HALLIBURTON

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
B A TRUCKING	TRUCKER	CONTRACTOR	1	0.50	0.50
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
BYRD OILFIELD SERVICES	CASING CREW	CONTRACTOR	2	9.00	18.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CONOCOPHILLIPS CO	GEOLOGIST	EMPLOYEE	2		0.00
CONOCOPHILLIPS CO	SAFETY PERSONNEL	CONTRACTOR	1	4.00	4.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	5.00	5.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HALLIBURTON	WIRELINE CREW	CONTRACTOR	4		0.00
HALLIBURTON ENERGY SERVICES	OTHER	CONTRACTOR	5	7.50	37.50
HALLIBURTON ENERGY SERVICES	TOOL HAND	CONTRACTOR	1	7.50	7.50
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
MAVERICK TOOL	TOOL HAND	CONTRACTOR	2	10.00	20.00
PRECISION FLUID SERVICES	TOOL HAND	CONTRACTOR	1	10.00	10.00

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		
Production1	4 1/2	7,842.0	7,526.6	4/22/2013		11.60		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/23/2013  
Report #: 17  
Actual Days: 16.81

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Production1, 7,841.2ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 1,427,028.49
--------------------------	--	------------------------------------	--------------------------------------	---------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,845.0	Depth Progress (ft) 0.00	Daily Cost Total 162,075.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 15.69

### Ops and Depth @ Morning Report

LDDS/BWR SET TOOL

### Last 24hr Summary

RIH W/ 4.5" LINER, SET ECP, SET BWR, LDDS/BWR SET TOOL

### 24hr Forecast

SET BPV,NPLD, RD, PREPARE FOR MOVE

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	16:30	10.50	PROD1	CASING	RUNL	P	7,845.0	7,845.0	RIH ON DP. 4.5" BTC 11.6 PPFT W/ (BWR HANGR PKR 4" ID)5 JTS 4.5" ( 4.5" ECP ) PUP ( RAPID START SLIDE SLEEVE) PUP ( 4.5 ECP)
16:30	18:00	1.50	PROD1	CASING	CIRC	P	7,845.0	7,845.0	CIRCULATE AND DISPLACE HOLE 4BBLs/MIN W/ FRESH WATER 5 GAL/PER 100/ K-31 BACTRON
18:00	00:00	6.00	PROD1	CASING	RUNL	P	7,845.0	7,845.0	DROPPED 1" BALL, LET FREE FALL FOR 2 HOURS, PRESSURED UP TO 1190PSI TO BEGIN SETTING ECP #1, AT 1650PSI ECP 1 WAS SET (SMALL FLOW AT SHAKERS VERIFIED), PRESSURED UP TO 1915PSI 2ND ECP SET (SMALL FLOW AT SHAKERS VERIFIED), 2250PSI, STARTED SETTING BWR, STAGED UP BY 200PSI UNTIL 3200PSI, AT 3200PSI SHEARED SHUT OFF COLLAR. BLED WELL BACK, 1BBL RETURNED. RELEASED BWR W/ 22 TURNS, MAX TORQUE 1.5K.
00:00	00:30	0.50	PROD1	CASING	SVRG	P	7,845.0	7,845.0	LUBRICATE RIG, TDS INSPECTION
00:30	06:00	5.50	PROD1	CASING	PULD	P	7,845.0	7,845.0	LDDP/BWR TOOL

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	2	12.00	24.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	7	4.00	28.00
DRILCO GROUP	OTHER	CONTRACTOR	1	4.00	4.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	3	0.50	1.50
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HALLIBURTON	TOOL HAND	CONTRACTOR	1	12.00	12.00
HALLIBURTON	MUD PERSONNEL	CONTRACTOR	1	1.00	1.00
HB RENTALS	OTHER	CONTRACTOR	2	2.00	4.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	2	12.00	24.00
LIGHT TOWER RENTALS	OTHER	CONTRACTOR	1	0.50	0.50
NOV (NATIONAL OILWELL VARCO)	VENDOR	CONTRACTOR	1	0.50	0.50
ROCKWATER ENERGY SERVICES	VENDOR	CONTRACTOR	1	0.50	0.50
SCHLUMBERGER	OTHER	CONTRACTOR	4	10.00	40.00

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		
Production1	4 1/2	7,841.2	7,528.0	4/23/2013		11.60		



# Daily Partner Report

## UNIVERSITY ANDREWS 230

Report Date: 4/24/2013  
Report #: 18  
Actual Days: 17.81

### Well Info

API / UWI 4200344993	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/8/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,243.00	Original KB/RT Elevation (ft) 3,261.00	

### Job Summary

Job Category DRILLING	Last Casing String Production1, 7,841.2ftKB	AFE Duration Total (days) 14.50	Total Job AFE Amount 1,305,778.50	Cumulative Cost 1,480,836.22
--------------------------	--	------------------------------------	--------------------------------------	---------------------------------

### Daily Ops Summary

Rig HELMERICH & PAYNE, H & P 348	Wellbore Original Hole	Depth End (ftKB) 7,845.0	Depth Progress (ft) 0.00	Daily Cost Total 165,356.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 16.69

### Ops and Depth @ Morning Report

W/O DAYLIGHT F/RIG MOVE

### Last 24hr Summary

CONT LD PKR SETTING TOOL ATTEMPT TO SET BPV IN 7" CSG HEAD COULD NOT POSSIBLE DAMAGED THREADS DECISION MADE TO RIH W RBP W/O BAKER RBP & WIRELINE PJSM RIH SET BAKER MODEL 47B WIRELINE RBP @ 490' W/TOP OF PLUG @ 485' POH LD SETTING TOOL CLOSE BLINDS PRESS UP TO 800# ON TOP OF BP (HELD) RD START ND RIG, RIG RELEASED @ 0600

### 24hr Forecast

MOVE RIG TO UA 236 SPOT RU

### Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	06:30	0.50	PROD1	CASING	TRIP	P	7,845.0	7,845.0	TOH LD DP & PKR RUNNING TOOLS
06:30	07:30	1.00	PROD1	CASING	PULD	P	7,845.0	7,845.0	LD ROTATING HEAD LD SETTING TOOL F/ PKR
07:30	08:30	1.00	PROD1	CASING	PULD	P	7,845.0	7,845.0	PU BPV ATTEMPT TO INSTALL COULD NOT GET BPV TO SCREW INTO CSG HEAD ONLY MADE UP APPROX 1 - 1 1/2" PULL CHECKED THREADS SAW NO INDICATION OF THREAD PROBLEM W/ BPV.
08:30	16:30	8.00	PROD1	CASING	OTHR	T	7,845.0	7,845.0	DECISION MADE TO RUN RBP / STAND BY FOR BAKER RBP
16:30	18:00	1.50	PROD1	CASING	OTHR	T	7,845.0	7,845.0	PJSM-PU/MU BAKER HUGHES RBP, SET WITH WIRELINE @ 490' W/ TOP @ 485' RBP MODEL 47B
18:00	18:30	0.50	PROD1	CASING	OTHR	T	7,845.0	7,845.0	R/D WIRELINE
18:30	20:30	2.00	PROD1	CASING	OTHR	T	7,845.0	7,845.0	PRESSURE TEST RBP T/ 800PSI
20:30	06:00	9.50	PROD1	MOVE	NUND	P	7,845.0	7,845.0	N/D FLOWLINE, CHOKE LINE, KILL LINE, TURNBUCKLES, REMOVE BOP W. HANDLER START RD FINISH CLEANING STEEL PITS RD  RELEASE RIG 0600

### Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
AVEDA TRANSPORTATION	OTHER	CONTRACTOR	1	3.00	3.00
BAKER HUGHES	TOOL HAND	CONTRACTOR	2	7.00	14.00
BAROID	MUD PERSONNEL	CONTRACTOR	2	3.00	6.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	2	4.00	8.00
DXP SAFETY INTERNATIONAL	SAFETY PERSONNEL	CONTRACTOR	1	3.00	3.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	5	0.50	2.50
GAMCO	WELDER	CONTRACTOR	2		0.00
GE OIL AND GAS	WELLHEAD HAND	CONTRACTOR	1	3.00	3.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	3.00	3.00
HALLIBURTON	TOOL HAND	CONTRACTOR	1	2.00	2.00
HALLIBURTON	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
HAYNES CONSULTING	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	2	2.00	4.00
WARRIOR WIRELINE	WIRELINE CREW	CONTRACTOR	3	4.00	12.00

### Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Conductor	16	56.0	18.5	4/4/2013		75.00		
Surface	9 5/8	1,445.7	18.5	4/8/2013		36.00	0.00	0.0
Intermediate1	7	7,613.8	18.5	4/19/2013		26.00		
Production1	4 1/2	7,841.2	7,528.0	4/23/2013		11.60		