



Daily Partner Report

UNIVERSITY ANDREWS 236

Report Date: 4/25/2013
Report #: 1
Actual Days: 1.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,240.50	Original KB/RT Elevation (ft) 3,259.00	

Job Summary

Job Category DRILLING	Last Casing String Conductor, 56.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 162,195.92
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 162,195.92
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days)

Ops and Depth @ Morning Report

RIG UP PREP F/SPUD

Last 24hr Summary

MOVE RIG FROM UA 230 TO UA 236 SPOT RIG & EQUIP START RU

24hr Forecast

COMPLETE 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	07:00	1.00	MIRU	MOVE	WODL	P	56.0	56.0	W/O DAYLIGHT FOR RIG MOVE
07:00	07:30	0.50	MIRU	MOVE	SFTY	P	56.0	56.0	PJSM W/RIG CREW/RIG MOVERS/TRAILER & EQUIP PERSONAL FOR RIG MOVE
07:30	18:00	10.50	MIRU	MOVE	MOB	P	56.0	56.0	LOAD OUT EQUIP & RIG MOVE ALL EQUIP TO UA 236 SPOT ALL EQUIP. ALL EQUIP ON LOCATION SPOTTED IN PLACE @ 18:00 HR
18:00	06:00	12.00	MIRU	MOVE	RURD	P	56.0	56.0	RU RIG & EQUIP MPI INSPECTION ON TOP DRIVE

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
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	1	12.00	12.00
CONOCOPHILLIPS CO	SAFETY PERSONNEL	CONTRACTOR	2	10.00	20.00
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
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
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HB RENTAL	PORTABLE TOILET HAND	CONTRACTOR	4	8.00	32.00
KELLY SERVICES	OTHER	CONTRACTOR	4	3.00	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
NOV	OTHER	CONTRACTOR	1	2.00	2.00
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
WEATHERFORD	VENDOR	CONTRACTOR	1	0.50	0.50
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 236

Report Date: 4/26/2013
Report #: 2
Actual Days: 2.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,240.50	Original KB/RT Elevation (ft) 3,259.00	

Job Summary

Job Category DRILLING	Last Casing String Conductor, 56.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 208,061.92
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 1,370.0	Depth Progress (ft) 1,314.00	Daily Cost Total 45,866.00
Weather	Hole Condition	Drilling Hours (hrs) 13.00	Average ROP (ft/hr) 101.1	Days From Spud (days) 0.50

Ops and Depth @ Morning Report

DRLG 12 1/4" SURF @ 1370'

Last 24hr Summary

COMPLETE RIG RU RIG UP CONDUCTOR MAKE MODIFICATIONS RU RISER & FLOWLINE TEST PUMP & LINES STRAP & PU 12 1/4" SURF BHA RIH SPUD HOLE DRILL F/56' - 1370'

TRRC JOB # 5105 (KARINA)

24hr Forecast

RUN 8 5/8 CSG CMT SAME NU BOP TEST PU 7 7/8 PROD BHA

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	MIRU	MOVE	RURD	P	56.0	56.0	COMPLETE RIG RU MAKE REPAIRS TO TOP DRIVE CLEAN UP TRASH
11:30	12:00	0.50	MIRU	MOVE	SFTY	P	56.0	56.0	PRE-SPUD INSPECTION & SAFETY MEETING PU ALL REMAINING TRASH AROUND RIG
12:00	17:00	5.00	MIRU	MOVE	PULD	P	56.0	56.0	PU CONDUCTOR RISER SET ON CUT OFF INSTALL FLOWLINE FOR MEASUREMENT TO MODIFY FLOWLINE CUT AND MODIFY RE-INSTALL.
17:00	18:00	1.00	MIRU	MOVE	PULD	P	56.0	56.0	PU 12 1/4" SURF BHA RIH TAG @ 56'
18:00	06:00	12.00	SURFAC	DRILL	DRLG	P	56.0	1,370.0	SPUD HOLE @ 18:00 HR DRILL F/56' - 1370'
TRRC JOB # 5105 (KARINA)									

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
DXP SAFETY INTERNATIONAL	SAFETY PERSONNEL	CONTRACTOR	2	3.50	7.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	4	1.00	4.00
GATOR	OTHER	CONTRACTOR	3	2.00	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
HALLIBURTON	MUD PERSONNEL	CONTRACTOR	1	1.00	1.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HB RENTALS	OTHER	CONTRACTOR	1	2.00	2.00
NOV (NATIONAL OILWELL VARCO)	OTHER	CONTRACTOR	1	1.00	1.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	3	2.00	6.00
SCHLUMBERGER	TRUCKER	CONTRACTOR	2	3.00	6.00
TELEDRIFF INC	TOOL HAND	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)
56.0	1,370.0	1,314.00	13.00	101.1	518	50,000.0	100	1,500.0	3,500.0		

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	8 5/8	1,390.4	-4.5	4/6/2013		24.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 4/27/2013
Report #: 3
Actual Days: 3.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,240.50	Original KB/RT Elevation (ft) 3,259.00	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 309,322.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 1,405.0	Depth Progress (ft) 35.00	Daily Cost Total 101,260.39
Weather	Hole Condition	Drilling Hours (hrs) 0.50	Average ROP (ft/hr) 70.0	Days From Spud (days) 1.50

Ops and Depth @ Morning Report

R/U PRESSURE TESTING BOP EQUIPMENT

Last 24hr Summary

DRILL F/1370' - 1405' SURF TD PUMP HI VIS SWEEP CIRC COND HOLE POH LD SURF BHA RIH W/8 5/8" SURF CSG CMT NU BOP, R/U TESTING EQUIPMENT

24hr Forecast

TST CSG, DRL OUT SHOE, FIT, BEGIN DRLG PROD

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	SURFAC	DRILL	DRLG	P	1,370.0	1,405.0	DRILL F/1370' - 1405' SURF TD
06:30	07:30	1.00	SURFAC	CASING	COND	P	1,405.0	1,405.0	PUMP HI VIS SWEEP CIRC COND HOLE
07:30	11:30	4.00	SURFAC	CASING	TRIP	P	1,405.0	1,405.0	TOH W/ SURF BHA LD TOTCO SURVEY 1.15 DEG
11:30	12:00	0.50	SURFAC	CASING	RURD	P	1,405.0	1,405.0	PU TOOLS CLEAN RIG FLOOR
12:00	13:00	1.00	SURFAC	CASING	RURD	P	1,405.0	1,405.0	PU RU CRT
13:00	13:30	0.50	SURFAC	CASING	SVRG	P	1,405.0	1,405.0	SERVICE RIG
13:30	18:00	4.50	SURFAC	CASING	RNCS	P	1,405.0	1,405.0	RUN 34 JTS 8 5/8" 24# J-55 ST&C CSG SET FC @ 1348' W/BOTTOM OF CSG @ 1389'
18:00	18:30	0.50	SURFAC	CEMENT	SFTY	P	1,405.0	1,405.0	PJSM W/CMT CREW & RIG CREW
18:30	21:00	2.50	SURFAC	CEMENT	RURD	P	1,405.0	1,405.0	RU CMT EQUIP, PJSM, CEMENT SURF. CSG. W/ 20 BBLS SPACER, 152 BBLS 13.6 LEAD, 60 BBLS 14.8 TAIL DISPLACE W/ 84 BBLS FW, 98 SX CMT TO SURF
21:00	21:30	0.50	SURFAC	CEMENT	RURD	P	1,405.0	1,405.0	PJSM, RD CMT EQUIPMENT
21:30	22:30	1.00	SURFAC	CEMENT	RURD	P	1,405.0	1,405.0	CHANGE PIPE RAMS F/ 4" T/ 4.5"
22:30	03:30	5.00	SURFAC	CEMENT	NUND	P	1,405.0	1,405.0	NU BOP
03:30	05:00	1.50	SURFAC	CEMENT	RURD	P	1,405.0	1,405.0	R/D CRT
05:00	06:00	1.00	SURFAC	CEMENT	PRTS	P	1,405.0	1,405.0	PJSM - R/U TESTING EQUIPMENT

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
BATTLE ENERGY SERVICES	OTHER	CONTRACTOR	1	7.00	7.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
GE OIL AND GAS	WELLHEAD HAND	CONTRACTOR	1	11.00	11.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	7.50	7.50
H & P DRILLING	RIG CREW	CONTRACTOR	10	7.50	75.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
LIGHT TOWER RENTALS	VENDOR	CONTRACTOR	1	1.00	1.00
NATIONAL OILWELL VARCO (NOV)	VENDOR	CONTRACTOR	1	1.00	1.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	1	2.00	2.00
SCHLUMBERGER	CMT CREW	CONTRACTOR	4	7.00	28.00

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)
1,370.0	1,405.0	1,349.00	0.50	70.0	518	50,000.0	100	1,500.0	3,500.0		

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	8 5/8	1,389.6	18.5	4/27/2013		24.00		



Daily Partner Report

UNIVERSITY ANDREWS 236

Report Date: 4/28/2013
Report #: 4
Actual Days: 4.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,240.50	Original KB/RT Elevation (ft) 3,259.00	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 344,291.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 2,000.0	Depth Progress (ft) 595.00	Daily Cost Total 34,969.00
Weather	Hole Condition	Drilling Hours (hrs) 4.00	Average ROP (ft/hr) 148.8	Days From Spud (days) 2.50

Ops and Depth @ Morning Report

DRILLING AHEAD @ 2000'

Last 24hr Summary

TEST BOP, STRAP PROD BHA, PU, RIH, TEST CSG, D/O FC, DRILL 10' NEW FORMATION, PERFORM FIT, BEGIN DRLG 7 7/8" PROD F/1405' - 2000'

24hr Forecast

DRILL 7 7/8" 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	06:30	0.50	SURFAC	CEMENT	SFTY	P	1,405.0	1,405.0	REVIEW JSA W/BOP TESTER
06:30	11:30	5.00	SURFAC	CEMENT	BOPE	P	1,405.0	1,405.0	FUNCTION TEST BOP SET TEST PLUG TEST CHOKE MANIFOLD, INSIDE KIL OUTSIDE MANUAL HCR, HCR BLINDS PIPE RAMS, GREY VALVE TIW MANUAL IBOP 250 LOW 3000 HIGH, GOOD TEST, TEST ANNULAR 250 LOW 2100 HIGH, TEST LINES VALVES BACK TO PUMPS 250 LOW 4100 HIGH, TEST ACCUM .
11:30	12:00	0.50	SURFAC	CEMENT	SVRG	P	1,405.0	1,405.0	RIG SERVICE
12:00	18:00	6.00	SURFAC	CEMENT	OTHR	T	1,405.0	1,405.0	ATTEMPTED TO SET WARE BUSHING, GE DELIVERED WRONG ONE, CALLED WELDER TO FIX
18:00	18:30	0.50	SURFAC	CEMENT	OTHR	P	1,405.0	1,405.0	INSTALLED MODIFIED WARE BUSHING
18:30	20:30	2.00	SURFAC	CEMENT	TRIP	P	1,405.0	1,405.0	M/U BHA, RIH T/ 473', ATTEMPTED SURVEY
20:30	21:30	1.00	SURFAC	CEMENT	TRIP	T	1,405.0	1,405.0	TROUBLE SHOOT TELEDRIFT, REPLACED WIRE
21:30	23:30	2.00	SURFAC	CEMENT	TRIP	P	1,405.0	1,405.0	TIH T/ 1350'
23:30	00:00	0.50	SURFAC	CEMENT	CIRC	P	1,405.0	1,405.0	PREPARE FOR CSG TEST
00:00	00:30	0.50	SURFAC	CEMENT	PRDT	P	1,405.0	1,405.0	TESTED CSG TO 2100# HELD FOR 30 MIN
00:30	01:30	1.00	SURFAC	CEMENT	COCF	P	1,405.0	1,405.0	DRLG FLOAT SHOE & 10' NEW FORMATION
01:30	02:00	0.50	SURFAC	CEMENT	FIT	P	1,405.0	1,405.0	PERFORMED FIT, HELD 235 PSI FOR 10 MIN, 13PPG EMW
02:00	06:00	4.00	PROD1	DRILL	DRLG	P	1,405.0	2,000.0	DRILL F/ 1405' T/ 2000'

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
FAB TECH DRILLING EQUIP	WELDER	CONTRACTOR	1	2.50	2.50
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
H & P DRILLING	OTHER	CONTRACTOR	3	2.00	6.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
ROCKWATER ENERGY SERVICES	TRUCKER	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)
1,405.0	2,000.0	595.00	4.00	148.8	379	18,000.0	75	1,200.0	5,000.0		

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0



Daily Partner Report

UNIVERSITY ANDREWS 236

Report Date: 4/29/2013
Report #: 5
Actual Days: 5.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,240.50	Original KB/RT Elevation (ft) 3,259.00	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 389,586.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 3,711.0	Depth Progress (ft) 1,711.00	Daily Cost Total 45,295.00
Weather	Hole Condition	Drilling Hours (hrs) 23.00	Average ROP (ft/hr) 74.4	Days From Spud (days) 3.50

Ops and Depth @ Morning Report
DRILLING AHEAD @ 3711'

Last 24hr Summary
DRILL F/2000' - 3711'

24hr Forecast
DRILL 7 7/8" 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	10:00	4.00	PROD1	DRILL	DRLG	P	2,000.0	2,440.0	DRILL F/2000' - 2440'
10:00	11:00	1.00	PROD1	DRILL	RURD	T	2,440.0	2,440.0	CHANGE OUT ROTATING HEAD THAT WAS NOT ROTATING
11:00	06:00	19.00	PROD1	DRILL	DRLG	P	2,440.0	3,711.0	DRILL F/2440' - 3711'
L/D 1 JOINT OF DP MU JT BEGAN DRLG DOWN, NOTICED PIN HOLE IN MIDDLE OF JOINT									

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	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
H & P DRILLING	SUPERINTENDENT	CONTRACTOR	1	3.00	3.00
HALLIBURTON	MUD PERSONNEL	CONTRACTOR	1	1.00	1.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HB RENTALS	OTHER	CONTRACTOR	1	1.00	1.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	1.00	1.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	5.00	5.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	9.00	9.00
MCJUNKIN RED MAN CORP	VENDOR	CONTRACTOR	1	1.00	1.00
NOV (NATIONAL OILWELL VARCO)	OTHER	CONTRACTOR	1	1.00	1.00
RIGNET	OTHER	CONTRACTOR	2	1.00	2.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	1	1.00	1.00
WEATHERFORD	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)
2,000.0	3,711.0	2,306.00	23.00	74.4	427	22,000.0	70	1,350.0	5,000.0		

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0



Daily Partner Report

UNIVERSITY ANDREWS 236

Report Date: 4/30/2013
Report #: 6
Actual Days: 6.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 427,378.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 4,825.0	Depth Progress (ft) 1,114.00	Daily Cost Total 37,792.00
Weather	Hole Condition	Drilling Hours (hrs) 22.50	Average ROP (ft/hr) 49.5	Days From Spud (days) 4.50

Ops and Depth @ Morning Report

CHECKING MUD PUMPS F/POSSIBLE PROBLEMS @ 4825'

Last 24hr Summary

DRILL F/3711' - 4825'

24hr Forecast

DRILL 7 7/8" 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	16:30	10.50	PROD1	DRILL	DRLG	P	3,711.0	4,248.0	DRILL F/3711' - 4248'
16:30	17:30	1.00	PROD1	DRILL	PULD	P	4,248.0	4,248.0	CHANGE OUT ROTATING HEAD THAT WAS NOT TURNING. ROTATING HEAD DID NOT OPERATE PROPER FOR 1ST INSTALL TURNING SLOWLY AND SOMETIMES STOPPING
17:30	20:00	2.50	PROD1	DRILL	DRLG	P	4,248.0	4,380.0	DRILL F/4248' - 4380'
20:00	20:30	0.50	PROD1	DRILL	SVRG	P	4,380.0	4,380.0	SERVICE RIG
20:30	06:00	9.50	PROD1	DRILL	DRLG	P	4,380.0	4,825.0	DRILL F/ 4380' T/48258'
SHUT DOWN CHECKING PUMPS F/POSSIBLE PUMP PROBLEMS PRESS FELL OFF F/1350# DOWN TO 700# OVER 2 CONNECTIONS. PU WHEN FIRST SAY INITIAL PRESS DROP LOOKED F/WASHOUT OR PIN HOLE DIDN'T FIND ANYTHING.									

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
CREEK CONSTRUCTION	VENDOR	CONTRACTOR	1	1.00	1.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	12.00	12.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	12.00	12.00
HUGHES OILFLD TRANSP	VENDOR	CONTRACTOR	1	1.00	1.00
HUNTING ENERGY SERVICES	VENDOR	CONTRACTOR	2	1.00	2.00
JZ BITS	VENDOR	CONTRACTOR	1	1.00	1.00
MCJUNKIN RED MAN CORP	OTHER	CONTRACTOR	1	1.00	1.00
ROCKWATER ENERGY SERVICES	VENDOR	CONTRACTOR	1	1.00	1.00
TERVITA	VENDOR	CONTRACTOR	1	1.00	1.00
ULTERRA	VENDOR	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)
3,711.0	4,825.0	3,420.00	22.50	49.5	427	24,000.0	70	1,300.0	5,000.0		

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/1/2013
Report #: 7
Actual Days: 7.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 474,500.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 4,825.0	Depth Progress (ft) 0.00	Daily Cost Total 32,170.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 5.50

Ops and Depth @ Morning Report
TIH

Last 24hr Summary

CHECK PUMPS F/DAMAGED SPRINGS, TOH DUE TO PRESSURE LOSS, YATES GAS KICKS WHILE PULLING DURING FILL UP. FOUND WASHOUT IN 2 JTS JT #7 1032' MIDDLE OF JT & JT # 37 @ 2270', 2270' JUST ABOVE TOOL JT CHANGE BIT & PLUGGED MUD MTR, TIH

24hr Forecast

TIH, DRILL 7 7/8" 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	08:00	2.00	PROD1	DRILL	OTHR	T	4,825.0	4,825.0	BREAK DOWN PUMPS LOOKING FOR DAMAGE, NONE FOUND.
08:00	09:00	1.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 4825' - T/ 4388', INSPECT PIPE FOR WASHOUTS, HOLE TAKES CALC FILL & GIVES IT BACK.
09:00	13:30	4.50	PROD1	DRILL	OTHR	T	4,825.0	4,825.0	WAIT ON CALC CARB TO BE DELIVERED.
13:30	14:00	0.50	PROD1	DRILL	CIRC	T	4,825.0	4,825.0	PUMP 12 BBLS 11.1 PPG MUD ON BACKSIDE.
14:00	18:00	4.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 4388' - T/ 3306', INSPECT PIPE FOR WASHOUTS, FILL ON BACKSIDE W/ 11.1 PPG MUD, HOLE TAKES CALC FILL & GIVES IT BACK, WAIT ON MORE CALC CARB.
18:00	21:00	3.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 3306' - T/ 2270', INSPECT PIPE & BHA FOR WASHOUTS, FILL ON BACKSIDE W/ 11.3 PPG MUD, FOUND WASH @ 2270'.
21:00	00:00	3.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 2270' - T/ 1032', FILL PIPE WITH 20 BBLS BRINE, WELL TAKING PROPER FILL, FOUND MAJOR WASH @ 1032'.
00:00	01:00	1.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 1032' - T/ 650', REMOVE ROT HEAD.
01:00	03:00	2.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TOH F/ 650' - T/ BIT
03:00	06:00	3.00	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	M/U NEW BIT, TEST MUD MTR FOUND IT TO BE PLUGGED, L/D MUD MTR & P/U NEW, M/U BIT & TIH

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	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	4	3.00	12.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	12.00	12.00
HORIZON LOGGING	MUD PERSONNEL	CONTRACTOR	1	12.00	12.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	2	3.00	6.00
TUBOSCOPE INC (VETCO)	CASING CREW	CONTRACTOR	3	9.00	27.00

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/2/2013
Report #: 8
Actual Days: 8.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 512,473.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 5,605.0	Depth Progress (ft) 780.00	Daily Cost Total 37,973.00
Weather	Hole Condition	Drilling Hours (hrs) 15.00	Average ROP (ft/hr) 52.0	Days From Spud (days) 6.50

Ops and Depth @ Morning Report

DRILLING AHEAD @ 5605'.

Last 24hr Summary

TIH W/DP CHECKING FOR ADDITIONAL WASHED OUT DP, DRILL F/4825' - T/ 5605'.

24hr Forecast

DRILLING AHEAD @ 5605'.

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	PROD1	DRILL	TRIP	T	4,825.0	4,825.0	TIH CHECKING F/ADDITIONAL WASHOUTS IN DP.
14:30	05:30	15.00	PROD1	DRILL	DRLG	P	4,825.0	5,605.0	DRILL F/ 4825' - T/ 5605'.
05:30	06:00	0.50	PROD1	DRILL	SVRG	P	5,605.0	5,605.0	RIG SERVICE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
NOV (NATIONAL OILWELL VARCO)	VENDOR	CONTRACTOR	1	2.00	2.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	3	2.00	6.00
STABIL DRILL	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)
4,825.0	5,605.0	780.00	15.00	52.0	427	24,000.0	70	1,300.0	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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.1	-314.9			17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/3/2013
Report #: 9
Actual Days: 9.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 543,504.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 6,461.0	Depth Progress (ft) 856.00	Daily Cost Total 31,031.00
Weather	Hole Condition	Drilling Hours (hrs) 22.00	Average ROP (ft/hr) 38.9	Days From Spud (days) 7.50

Ops and Depth @ Morning Report

DRILLING AHEAD @ 6461'.

Last 24hr Summary

DRILL F/5605' - 5630' LOST PARTIAL CIRC SPOT LCM PILL & LET HEAL DRILL DWN TO 6240' LOST PARTIAL CIRC SPOT LCM PILL & LET HEAL DRILL AHEAD TO 6461'.

LOST APPROX 800 BBLS

24hr Forecast

DRILLING AHEAD @ 6461'.

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	07:00	1.00	PROD1	DRILL	DRLG	P	5,605.0	5,646.0	DRILL F/ 5605' - T/ 5630' LOST PARTIAL CIRC DRILL DWN TO 5646'.
07:00	07:30	0.50	PROD1	DRILL	COND	P	5,646.0	5,646.0	PUMP 20 BBLS LCM SWEEP AROUND BHA SD 15 MIN LET HEAL KICK PUMPS IN HAD FULL CIRC MADE CONNECTION.
07:30	22:00	14.50	PROD1	DRILL	DRLG	P	5,646.0	6,240.0	DRILL F/5646' - T/ 6240' LOST PARTIAL CIRC.
22:00	23:00	1.00	PROD1	DRILL	COND	P	6,240.0	6,240.0	PUMP 15 BBLS LCM SWEEP AROUND SPOT @ 6100' LET HEAL 15 MIN KICK PUMPS IN HAD FULL CIRC.
23:00	05:30	6.50	PROD1	DRILL	DRLG	P	6,240.0	6,461.0	DRILL F/ 6240 - T/ 6461'.
									LOST APPROX 800 BBL ALL DAY
05:30	06:00	0.50	PROD1	DRILL	SVRG	P	6,461.0	6,461.0	RIG SERVICE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	3	3.00	9.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HALLIBURTON ENERGY SERVICES	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
SCHLUMBERGER	TRUCKER	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)
5,605.0	6,461.0	1,636.00	22.00	38.9	427	25,000.0	60	1,500.0	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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.1	-314.9			17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/4/2013
Report #: 10
Actual Days: 10.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 575,233.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 7,228.0	Depth Progress (ft) 767.00	Daily Cost Total 31,729.00
Weather	Hole Condition	Drilling Hours (hrs) 22.50	Average ROP (ft/hr) 34.1	Days From Spud (days) 8.50

Ops and Depth @ Morning Report

DRILLING AHEAD @ 7228'.

Last 24hr Summary

DRILL F/ 6461' - T/ 7228'.

24hr Forecast

DRILLING AHEAD @ 7228'.

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	09:30	3.50	PROD1	DRILL	DRLG	P	6,461.0	6,590.0	DRILLING F/ 6461' - T/ 6590', WELL SEEPING.
09:30	10:00	0.50	PROD1	DRILL	COND	P	6,590.0	6,590.0	CIRC 15 BBL HI VIS SWEEP AROUND LET HEAL.
10:00	13:30	3.50	PROD1	DRILL	DRLG	P	6,590.0	6,770.0	DRILL F/ 6590' - T/ 6770'. ROTATING HEAD NOT TURNING SD TO CHANGE.
13:30	14:00	0.50	PROD1	DRILL	COND	P	6,770.0	6,770.0	CIRC 15 BBL HI VIS LCM PILL AROUND BACK SIDE WHILE CHANGING OUT ROTATING HEAD.
14:00	05:30	15.50	PROD1	DRILL	DRLG	P	6,770.0	7,228.0	DRILL F/ 6770' - T/ 7228'.
05:30	06:00	0.50	PROD1	DRILL	SVRG	P	7,228.0	7,228.0	RIG SERVICE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00

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)
6,461.0	7,228.0	2,403.00	22.50	34.1	427	26,000.0	60	1,600.0	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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.1	-314.9			17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/5/2013
Report #: 11
Actual Days: 11.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 626,943.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 7,930.0	Depth Progress (ft) 702.00	Daily Cost Total 51,710.00
Weather	Hole Condition	Drilling Hours (hrs) 22.00	Average ROP (ft/hr) 31.9	Days From Spud (days) 9.50

Ops and Depth @ Morning Report

CIRC & CONDITION

Last 24hr Summary

DRILL F/ 7228' - T/ 7900', LOST CIRC, SPOT LCM PILL & LET HEAL, CONT DRILL F/ 7900' - T/ 7930', CIRC & CONDITION.

24hr Forecast

CIRC & CONDITION, TOO H, R/U & RUN LOGS

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	02:00	20.00	PROD1	DRILL	DRLG	P	7,228.0	7,900.0	DRILL F/ 7228' - 7900', START MUD UP F/ LOGS LOST RETURNS WHEN ADDING STARCH LOST APPROX 200 BBLs .
02:00	03:00	1.00	PROD1	DRILL	CIRC	T	7,900.0	7,900.0	CIRC 25 BBL LCM PILL & SPOT, LET HEAL.
03:00	05:00	2.00	PROD1	DRILL	DRLG	P	7,900.0	7,930.0	DRILL F/ 7900' - T/ 7930' TD HOLE STILL SEEPING
05:00	05:30	0.50	PROD1	CASING	SVRG	P	7,930.0	7,930.0	RIG SERVICE
05:30	06:00	0.50	PROD1	CASING	CIRC	P	7,930.0	7,930.0	CIRC COND OPEN HOLE BEFORE LDDS.

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	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
ROCKWATER ENERGY SERVICES	TRUCKER	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)
7,228.0	7,930.0	3,105.00	22.00	31.9	427	28,000.0	60	1,700.0	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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.1	-314.9			17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/6/2013
Report #: 12
Actual Days: 12.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 667,218.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 7,930.0	Depth Progress (ft) 0.00	Daily Cost Total 40,275.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 10.50

Ops and Depth @ Morning Report

RUN 5.5" PROD CSG 3385'

Last 24hr Summary

CIRC COND HOLE F/LOGS TOO H LDDS ENCOUNTERED SEVERAL BRIDGES POH F/6167' - 5650' PUMPED & ROTATED OUT TO 5650' TOO H NORMAL, SPOT 11.2 SLUG ACROSS YATES CONT TOO H, PULL WEAR BUSHING & RIG UP 3RD PARTY CRT, M/U SHOE & FLOAT TRACK, TIH W/ 5.5" 17 PPF L-80 PROD CSG

24hr Forecast

CONT RUN 5.5" PROD CSG, CMT PROD SECT, RIG DOWN

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	07:00	1.00	PROD1	EVALFM	COND	P	7,930.0	7,930.0	CIRC COND HOLE F/OH LOGS.
07:00	20:00	13.00	PROD1	CASING	TRIP	P	7,930.0	7,930.0	TOOH TO 6167' HIT A BRIDGE PULL 35 OVER WORKED FREE ROTATED CIRC OH TO 5650 SEVERAL SMALLER BRIDGES THRU THIS INTERVAL TOO H HOLE CONT TO HAVE SEEPAGE PULLED TO 2695' SPOT 11.2 SLUG ACROSS YATES CONT TOO H WELL STARTED TO SEEP MORE. THEN WOULD KICK FLUID BACK OUT OF HOLE TO TRIP TANK DECISION MADE NOT TO LOG, CONT TOO H TO BIT, PULL WEAR BUSHING. (WITNESS RH)
20:00	21:30	1.50	PROD1	CASING	PULD	P	7,930.0	7,930.0	R/U 3RD PARTY CRT.
21:30	00:00	2.50	PROD1	CASING	RNCS	P	7,930.0	7,930.0	M/U SHOE & FLOAT TRACK, RUN 5.5" 17 PPF L-80 PROD CSG.
00:00	01:00	1.00	PROD1	CASING	RURD	T	7,930.0	7,930.0	CHANGE 3RD PARTY CRT SUB. DUE TO YOKE ON SUB OF CRT BEING TO TIGHT NOT ALLOWING YOKE TO TURN FREELY ON SUB CAUSING SAFETY HAZARD.
01:00	06:00	5.00	PROD1	CASING	RNCS	P	7,930.0	7,930.0	CONT RUNNING 5.5" 17# L-80 PROD CSG.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
EXPRESS ENERGY SERVICES LLC	CASING CREW	CONTRACTOR	1	10.00	10.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HALLIBURTON	OTHER	CONTRACTOR	6	5.00	30.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HB RENTALS	TRUCKER	CONTRACTOR	1	3.00	3.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	2	3.00	6.00
SCHLUMBERGER	CMT CREW	CONTRACTOR	4	2.00	8.00

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.1	-4.4			17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/7/2013
Report #: 13
Actual Days: 13.00

Well Info

API / UWI 4200345088	Region/Division PERMIAN	District PERMIAN	Field Name EMBAR	Original Spud Date 4/26/2013
County ANDREWS	State/Province TEXAS	Ground Elevation (ft) 3,246.00	Original KB/RT Elevation (ft) 3,264.50	

Job Summary

Job Category DRILLING	Last Casing String Surface, 1,389.6ftKB	AFE Duration Total (days)	Total Job AFE Amount 1,022,081.78	Cumulative Cost 882,839.31
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Daily Ops Summary

Rig H&P, 348	Wellbore Original Hole	Depth End (ftKB) 7,930.0	Depth Progress (ft) 0.00	Daily Cost Total 212,121.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 11.50

Ops and Depth @ Morning Report

WAITING FOR DAYLIGHT TO MOVE

Last 24hr Summary

CONT RIH W/ 5.5" 17# L-80 PROD CSG, CMT SAME, N/D, RIG DOWN PREPARE TO MOVE

24hr Forecast

MOVE TO UNIVERSITY ANDREWS 247

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	14:00	8.00	PROD1	CASING	RNCS	P	7,930.0	7,930.0	CONT RIH W/ 5.5" 17# L-80 PROD CSG SET FC @ 7871' W/ FS @ 7914' W/ 2 DOUBLE MARKER JTS @ 7338' & 6038'.
14:00	14:30	0.50	PROD1	CEMENT	PULD	P	7,930.0	7,930.0	P/U ALL CSG TOOLS CLEAN RIG FLOOR.
14:30	15:00	0.50	PROD1	CEMENT	SFTY	P	7,930.0	7,930.0	PJSM/ JSA F/ CMT JOB W/ CMT CREW & RIG CREW.
15:00	18:00	3.00	PROD1	CEMENT	CMNT	P	7,930.0	7,930.0	PRESS TEST LINES TO 4000# (GOOD TEST) START CMT W/ 20 BBLS FW FLUSH, FOLLOW BY 20 BBLS MUD PUSH, FOLLOW BY 375 BBLS LEAD @ 10.4 PPG, FOLLOW BY 120 BBL TAIL @ 13.3 PPG, BUMP PLUG @ 1987 PSI DISPLACEMENT 178 BBLS, 1.5 BBL RETURN WHEN CHECK PLUG, NO RETURNS TO SURFACE.
18:00	19:00	1.00	PROD1	CEMENT	RURD	P	7,930.0	7,930.0	RD CEMENT EQUIPMENT, LD LANDING JT.
19:00	20:00	1.00	PROD1	CEMENT	PRTS	P	7,930.0	7,930.0	SET PACK-OFF TEST TO 5K GOOD TEST.
20:00	06:00	10.00	PROD1	CEMENT	RURD	P	7,930.0	7,930.0	RD CRT, ND BOP, CLEAN STEEL PITS, BREAK OUT RIG & EQUIP, RELEASE RIG @ 6:00 A.M.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAROID	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	12.00	12.00
CREEK CONSTRUCTION	TRUCKER	CONTRACTOR	1	2.00	2.00
DRILCO GROUP	OTHER	CONTRACTOR	1	4.00	4.00
DXP ENTERPRISES INC.	SAFETY PERSONNEL	CONTRACTOR	1	3.00	3.00
E L FARMER TRUCKING	TRUCKER	CONTRACTOR	7	4.00	28.00
FASTENAL	VENDOR	CONTRACTOR	1	2.00	2.00
FRONTIER MOBIL HOUSING	OTHER	CONTRACTOR	1	2.00	2.00
G K TRUCKING	TRUCKER	CONTRACTOR	1	2.00	2.00
GE OIL AND GAS	WELLHEAD HAND	CONTRACTOR	1	9.00	9.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	12.00	12.00
H & P DRILLING	RIG CREW	CONTRACTOR	10	12.00	120.00
HALLIBURTON ENERGY SERVICES	MUD PERSONNEL	CONTRACTOR	2	2.00	4.00
HAYNES CONSULTING SERVICE	ONSITE SUPERVISOR	CONTRACTOR	1	12.00	12.00
HUNTING ENERGY SERVICES	VENDOR	CONTRACTOR	1	2.00	2.00
LIGHT TOWER RENTALS	VENDOR	CONTRACTOR	1	2.00	2.00
PDC LOGIC	VENDOR	CONTRACTOR	1	2.00	2.00
RIG EXPRESS	TRUCKER	CONTRACTOR	1	2.00	2.00
ROCKWATER ENERGY SERVICES	TRUCKER	CONTRACTOR	10	3.00	30.00

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	8 5/8	1,389.6	18.5	4/27/2013		24.00	0.00	0.0
Production1	5 1/2	7,914.0	18.5	5/8/2013		17.00		