



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/13/2013
Report #: 1
Actual Days: 0.35

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 11,766.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 11,766.38
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 16.92

Ops and Depth @ Morning Report

Last 24hr Summary

CONDUCT SAFETY MTG; RUN HES GR/DSN/CCL/CBL LOG

24hr Forecast

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
07:30	07:39	0.15	COMPZ1	EVALWB	SFTY	P			CONDUCT SAFETY MEETING WITH ALL PERSONNEL ON LOCATION
07:39	15:48	8.15	COMPZ1	EVALWB	ELOG	P			RUN HALLIBURTON GR/DSN/CCL/CBL AND CSNG TAG BOTTOM @ 7799'; TOC @ 2398'; MARKER JOINTS @ 7295-7338 AND 5999-6039'

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/20/2013
Report #: 2
Actual Days: 0.78

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 20,217.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 8,451.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 23.98

Ops and Depth @ Morning Report

Last 24hr Summary

MIRU APOLLO PERFORATORS, RUN GYRO LOG & PERFORATE ELLENBURGER.

24hr Forecast

RU & FRAC

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
07:00	08:30	1.50	COMPZ1	STIM	RURD	P			HOLD PJSM, MIRU APOLLO PERFORATORS.
08:30	10:30	2.00	COMPZ1	STIM	ELOG	P			RUN GYRO LOG FROM SURFACE TO PBTD, LD LOGGING TOOLS.
10:30	11:30	1.00	COMPZ1	STIM	PRTS	P			MIRU HPPT, PRESSURE TEST FRAC STACK & CASING PER SOP.
11:30	12:30	1.00	COMPZ1	STIM	PERF	P			GIH W/ HOLLOW CARRIER SLICK GUNS AND PERFORATE THE ELLENBURGER FORMATION. COOH, RIG ASIDE APOLLO.
12:30	16:30	4.00	COMPZ1	STIM	RURD	P			WAIT ON HALLIBURTON FRAC EQUIPMENT.
16:30	17:30	1.00	COMPZ1	STIM	RURD	P			SPOT IN HALLIBURTON, SDON.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/21/2013
Report #: 3
Actual Days: 1.28

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 105,521.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 85,304.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 25.00

Ops and Depth @ Morning Report

Last 24hr Summary

RU HES FRAC EQUIPMENT, PRIME PUMPS, PRESSURE TEST, AND ACIDIZE THE ELLENBURGER.

24hr Forecast

CONTINUE FRAC OPS.

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	COMPZ1	STIM	RURD	P			HOLD PJSM, RU HES FRAC EQUIPMENT.
13:00	14:00	1.00	COMPZ1	STIM	RURD	P			WAIT ON GUARDIAN TO REPLACE BLEED OFF VALVE AND TORQUE BOLTS ON FRAC STACK.
14:00	15:00	1.00	COMPZ1	STIM	PRTS	P			PRIME PUMPS & PRESSURE TEST TREATING IRON TO 7500 PSI. SET POP OFF TO 6400 PSI, ALL TEST WERE "ACCEPTABLE"
15:00	16:00	1.00	COMPZ1	STIM	STIM	P			HOLD PJSM, ACIDIZE STAGE STAGE 1 ELLENBURGER FORMATION WITH 10,056 GALLONS OF INHIBITED 15% HCL, AND FLUSH W/ 6048 GALS FW + 1000 GALS 15% HCL. ISIP = VACUUM MAX PSI = 5340 AVG PSI= 3655 MAX RATE = 10 AVG RATE = 8
16:00	18:00	2.00	COMPZ1	STIM	STIM	P			GIH SET PLUG @7350' PRESSURE TEST PLUG TO 4500 PSI & PERFORATE THE WCAB STAGE 2. RIG ASIDE ELINE SDON.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/22/2013
Report #: 4
Actual Days: 1.83

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 432,873.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 327,352.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 26.04

Ops and Depth @ Morning Report

Last 24hr Summary

PRESURE TEST TREATING LINES, AND FRAC WCAB & LWRCLFK REMAINING STAGES 2 THROUGH 4. RDMO HALLIBURTIN FRAC EQUIPMENT.

24hr Forecast

RDMO HES.

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	COMPZ1	STIM	PRTS	P			HOLD PJSM, PRESSURE TEST TREATING LINES TO 7500 PSI.
07:00	08:30	1.50	COMPZ1	STIM	STIM	P			HOLD SAFETY MEETING, FRAC STAGE 2 AS FOLLOWS. CONOCOPHILLIPS UNIVERSITY ANDREWS 236 5/22/13 WICHITA JOB SUMMARY LOADED WELL & BREAK DOWN @ 4785 PSI, SPEARHEAD 3057 GALS. 15% HCL ACID AND DISPLACE W/FW. PUMPED 127,890 GALLONS OF SLICKWATER CARRYING 35,842 LBS OF 40/70 WHITE SAND @ 70 BPM. PUMP 47,082 GALS 25# LINER GEL CARYING 32,998 LBS 40/70 WHITE SAND @ 70 BPM. PUMP 8006 GALS 25# DELTA X-LINK SPACER / PAD @ 70 BPM, PUMP 5703 GALS.25# DELTA X-LINKED PLF W/ 2 LBM/GAL CRC 20/40 @ 70 BPM, PUMP 8521 GALS.25# DELTA X-LINKED PLF W/ 3 LBM/GAL CRC 20/40 @ 70 BPM, FLUSHED W/ 5749 GALS OF FW + 1020 GALS 15% HCL. ISIP= 1238 PSI AVG PSI= 2403 PSI MAX PSI= 4785 PSI AVG RATE= 69 BPM MAX RATE= 73 BPM 40/70 WHITE = 68,788 LBS CRC 20/40 = 30,749 LBS TOTAL CLEAN FLUID 208,478 GALS.
08:30	10:00	1.50	COMPZ1	STIM	PERF	P			HOLD PJSM, GIH SET PLUG @ 6800'. PRESSURE TEST PLUG TO 4000 PSI AND PERFORATE STAGE THREE WCAB.

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
10:00	11:00	1.00	COMPZ1	STIM	STIM	P			<p>HOLD SAFETY MEETING, FRAC STAGE 3 AS FOLLOWS.</p> <p>CONOCOPHILLIPS UNIVERSITY ANDREWS 236 5/22/13</p> <p>WICHIATA JOB SUMMARY</p> <p>LOADED WELL & BREAK DOWN @ 889 PSI, SPEARHEAD 3058 GALS. 15% HCL ACID AND DISPLACE W/FW.</p> <p>PUMPED 127,050 GALLONS OF SLICKWATER CARRYING 35,639 LBS OF 40/70 WHITE SAND @ 70 BPM.</p> <p>PUMP 40,362 GALS 25# LINER GEL CARYING 33,162 LBS 40/70 WHITE SAND @ 70 BPM.</p> <p>PUMP 8132 GALS 25# DELTA X-LINK SPACER / PAD @ 70 BPM, PUMP 4682 GALS.25# DELTA X-LINKED PLF W/ 2 LBM/GAL CRC 20/40 @ 70 BPM, PUMP 5037 GALS.25# DELTA X-LINKED PLF W/ 2.5 LBM/GAL CRC 20/40 @ 70 BPM,</p> <p>FLUSHED W/ 5376 GALS OF FW + 1000 GALS 15% HCL.</p> <p>ISIP= 1445 PSI AVG PSI= 2606 PSI MAX PSI= 3689 PSI AVG RATE= 70 BPM MAX RATE= 76 BPM</p> <p>40/70 WHITE = 68,801 LBS CRC 20/40 = 19,747 LBS TOTAL CLEAN FLUID 192,876 GALS.</p>
11:00	12:30	1.50	COMPZ1	STIM	PERF	P			<p>HOLD PJSM, GIH SET PLUG @ 6450'. PRESSURE TEST PLUG TO 4000 PSI AND PERFORATE STAGE THREE LWRCLFK.</p>
12:30	13:00	0.50	COMPZ1	STIM	STIM	T			<p>LOADED WELL & BREAK DOWN @ 1523 PSI, SPEARHEAD 3414 GALS. 15% HCL ACID AND DISPLACE W/ 4014 GALS FRESH WATER. SHUT DOWN DUE TO EQUIPMENT FAILURE.</p>
13:00	17:00	4.00	COMPZ1	STIM	STIM	T			<p>MECHANICAL FAILURE ON MOUNTAIN MOVER. ORDER PARTS AND RIG UP AUXILIARY HYDRAULIC PUMP TO OPERATE MOUNTAIN MOVER.</p>

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
17:00	18:00	1.00	COMPZ1	STIM	STIM	P			<p>CONTINUE STAGE 4 AS FOLLOWS.</p> <p>CONOCOPHILLIPS UNIVERSITY ANDREWS 236 5/22/2013</p> <p>CLEARFORK JOB SUMMARY</p> <p>DISPLACE W/ 9104 GALS 25# LINER GEL.</p> <p>PUMP 19,952 25# DELTA X-LINKED-PAD @ 50 BPM, PUMP 10,049 GALS 25# DELTA X-LINKED PLF W/ 2 LBM/GAL 16/30 BROWN@ 50 BPM, PUMP 10,047 GALS 25# DELTA X-LINKED PLF W/ 4 LBM/GAL 16/30 BROWN @ 50 BPM, PUMP 6103 GALS 25# DELTA X-LINKED PLF W/ 6 LBM/GAL 16/30 BROWN @ 50 BPM, PUMP 3678 GALS 25# DELTA X-LINKED PLF W/ 6 LBM/GAL 16/30 CRC @ 50 BPM,</p> <p>COULD NOT ACHIEVE 8PPA DUE TO BLENDER FAILURE, EXTENDED 6PPA AND PUMPED DESIGNED JOB PROPPANT TOTAL.</p> <p>FLUSHED W/ 5966 GALS OF FW @ 50 BPM.</p> <p>ISIP= 1731 PSI</p> <p>AVG PSI = 1659 MAX PSI = 2491 AVG RATE = 46 BPM MAX RATE = 53 BPM</p> <p>BROWN 16/30 = 92,133 LBS CRC 16/30 = 53,925 LBS TOTAL CLEAN FLUID 79,510 gals.</p>
18:00	19:00	1.00	COMPZ1	STIM	RURD	P			<p>HOLD PJSM, FAN OUT PUMPS, & BEGIN RD FRAC EQUIPMENT. SECURE WELL SDON.</p>

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/23/2013
Report #: 5
Actual Days: 2.01

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 547,327.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 2,956.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 26.71

Ops and Depth @ Morning Report

Last 24hr Summary

HOLD PJSM, RDMO HES.

24hr Forecast

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:30	11:00	4.50	COMPZ1	STIM	RURD	P			HOLD PJSM, RDMO HES.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/29/2013
Report #: 6
Actual Days: 2.24

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 553,807.38
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Daily Ops Summary

Rig	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 6,480.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 27.94

Ops and Depth @ Morning Report

Last 24hr Summary

DROVE RIG TO LOC.--HELD PJSM & JSA.--RIG UP OVER WELL.--BLEED WELL OFF & HAD 200#PSI & WAS ONLY GAS.--NDFRAC VALVE & NUBOP.--SIW & SECURE.

24hr Forecast

PICK BIT & BIT SUB & RIN W/TB & TFF

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Activity Code	Time P-T-X	Depth Start (ftKB)	Depth End (ftKB)	Operation
11:00	11:30	0.50	COMP...	RPCO...	MOB	P			DROVE RIG TO LOC.
11:30	12:00	0.50	COMP...	RPCO...	SFTY	P			HELD PJSM & JSA.
12:00	13:00	1.00	COMP...	RPCO...	RURD	P			RIG UP OVER WELL.
13:00	14:00	1.00	COMP...	RPCO...	OWFF	P			BLEED WELL OFF & HAD 200#PSI & WAS ONLY GAS.
14:00	15:00	1.00	COMP...	RPCO...	NUND	P			NDFRAC VALVE & NUBOP.
15:00	16:30	1.50	COMP...	RPCO...	SFTY	P			SIW & SECURE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/30/2013
Report #: 7
Actual Days: 2.70

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 594,187.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 40,380.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 33.96

Ops and Depth @ Morning Report

Last 24hr Summary

ARRIVED ON LOC. & HELD PJSM & JSA.--BLEED WELL OFF & HAD 130#PSI.--WAITING FOR PIPE TO GET MOVED OFF UA 230 TO UA 236--TAILY PIPE & PICKED UP BIT & BIT SUB & STARTED IN THE HOLE W/ TUBING & TAG @ 6,386.--PULLED UP THE HOLE 500 FEET ABOVE THE PERF'S & RIG UP STRIPPER HEAD FOR FOAM UNIT.--SIW & SECURE.

24hr Forecast

CLEAN WELL OUT TO TD W/FOAM UNIT

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	07:30	1.50	COMP...	RPCO...	SFTY	P			ARRIVED ON LOC. & HELD PJSM & JSA
07:30	07:45	0.25	COMP...	RPCO...	OWFF	P			BLEED WELL OFF & HAD 130#PSI.
07:45	09:30	1.75	COMP...	RPCO...	OTHR	P			WAITING FOR PIPE TO GET MOVED OFF UA 230 TO UA 236
09:30	14:30	5.00	COMP...	RPCO...	PULD	P			TAILY PIPE & PICKED UP BIT & BIT SUB & STARTED IN THE HOLE W/ TUBING & TAG @ 6,386.
14:30	15:30	1.00	COMP...	RPCO...	TRIP	P			PULLED UP THE HOLE 500 FEET ABOVE THE PERF'S & RIG UP STRIPPER HEAD FOR FOAM UNIT.
15:30	17:00	1.50	COMP...	RPCO...	SFTY	P			SIW & SECURE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 5/31/2013
Report #: 8
Actual Days: 3.22

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 614,567.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 20,380.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 35.02

Ops and Depth @ Morning Report

Last 24hr Summary

TRAVEL TO LOCATION, HELD PJSM, MIRU FOAM UNIT, BROKE CIRCULATION, RIH W/ 500' OF TBG, MIRU POWER SWIVEL, REESTABLISHED CIRCULATION, CLEAN OUT SAND FROM 6,383 TO 6,450, DRILL OUT PLUG # 1, RIH & TAGGED SAND @ 6,772, CLEAN OUT SAND FROM 6,772, DRILL OUT PLUG # 2 @ 6,800, RIH & TAGGED SAND @ 7,318, CLEAN OUT SAND TO 7,350, CIRCULATED CLEAN, RDMO SWIVEL, PULLED TBG ABOVE PERFS, SDFWKND

24hr Forecast

DRILL OUT PLUG # 3, SPOT BIOCID PILL, POOH

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	07:30	1.50	COMP...	RPEQPT	SFTY	P			TRAVEL TO LOCATION, HELD PJSM
07:30	10:00	2.50	COMP...	RPEQPT	CIRC	P			MIRU FOAM UNIT, BROKE CIRCULATION
10:00	15:30	5.50	COMP...	RPEQPT	DRLG	P			CLEAN OUT SAND ON TOP OF CBP # 1, DRILL OUT PLUG # 1, TAGGED SAND @ 6,772, CLEAN OUT SAND ON TOP OF CBP # 2, DRILL OUT PLUG # 2, RIH, TAGGED SAND @ 7,318, CLEAN OUT SAND TO 7,350, CIRCULATED CLEAN, RD SWIVEL TBG PSI 1,050 CSG PSI 200 NITRO 1,0000 CSF WATER PUMPED 570 BBLS WATER RECOVERED 550 BBLS DIESEL 570 BBLS
15:30	17:30	2.00	COMP...	RPEQPT	CIRC	P			CIRCULATED HOLE CLEAN, KILLED TBG
17:30	18:30	1.00	COMP...	RPEQPT	RURD	P			RDMO SWIVEL, PULLED TBG ABOVE PERFS, SDFWKND

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 6/3/2013
Report #: 9
Actual Days: 3.70

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 638,447.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 23,880.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 37.98

Ops and Depth @ Morning Report

Last 24hr Summary

ARRIVED ON LOC. & HELD PJSM & JSA--UNLOADED WELL W/ FOAM UNIT.--TRIP BACK DOWN & TAG PLUG & RIG UP SWIVEL.--DRILLED OUT LAST PLUG & WENT DOWN TO TD.--CIRCULATED CLEAN & SPOT PILL IN RAT HOLE. & RIG SWIVEL DOWN.--POHO W/BIT & LAY IT DOWN.--SIW & SECURE.

24hr Forecast

PROTECHNICS LOGGING TOOL & RIN W/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	07:30	1.50	COMP...	RPCO...	SFTY	P			ARRIVED ON LOC. & HELD PJSM & JSA.
07:30	08:30	1.00	COMP...	RPCO...	CIRC	P			UNLOADED WELL W/ FOAM UNIT.
08:30	09:00	0.50	COMP...	RPCO...	TRIP	P			TRIP BACK DOWN & TAG PLUG & RIG UP SWIVEL.
09:00	10:30	1.50	COMP...	RPCO...	DRLG	P			DRILLED OUT LAST PLUG & WENT DOWN TO TD TO TOP OF CEMENT PLUG. TBG PSI 1,050 CSG PSI 400 NITRO 1,500 CSF WATER PUMPED 370 BBLS WATER RECOVERED 450 BBLS DIESEL 350 BBLS
10:30	12:30	2.00	COMP...	RPCO...	CIRC	P			CIRCULATED CLEAN & SPOT PILL IN RAT HOLE. & RIG SWIVEL DOWN.
12:30	16:00	3.50	COMP...	RPCO...	TRIP	P			POHO & LAY DOWN BIT.
16:00	17:30	1.50	COMP...	RPCO...	SFTY	P			SIW & SECURE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 6/4/2013
Report #: 10
Actual Days: 4.18

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 658,215.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 19,868.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 38.98

Ops and Depth @ Morning Report

Last 24hr Summary

ARRIVED ON LOC. & HELD PJSM & JSA.--RIG UP SLICK LINE W/PROTECHNICS LOGGING TOOL.--TEMP TOOL WAS NOT WORKING RIGHT & HAD ANOTHER DELIVERED HOT SHOT TO LOC.--TOOL ARRIVED & PUT IT TOGETHER & WENT IN THE HOLE & RAN TEMP. & TRACER LOG & FINISHED UP & RIG DOWN SLICK LINE & TOOLS.--SIW & SECURE.

24hr Forecast

RIN W/ 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	07:30	1.50	COMP...	RPCO...	SFTY	P			ARRIVED ON LOC. & HELD PJSM & JSA
07:30	08:30	1.00	COMP...	RPCO...	RURD	P			RIG UP SLICK LINE W/PROTECHNICS LOGGING TOOL.
08:30	10:30	2.00	COMP...	RPCO...	OTHR	T			TEMP TOOL WAS NOT WORKING RIGHT & HAD ANOTHER DELIVERED HOT SHOT TO LOC.
10:30	16:00	5.50	COMP...	RPCO...	SLKL	P			TOOL ARRIVED & PUT IT TOGETHER & WENT IN THE HOLE & RAN TEMP. & TRACER LOG & FINISHED UP & RIG DOWN SLICK LINE & TOOLS.
16:00	17:30	1.50	COMP...	RPCO...	SFTY	P			SIW & SECURE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 6/5/2013
Report #: 11
Actual Days: 4.68

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 662,574.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 6,769.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 40.00

Ops and Depth @ Morning Report

Last 24hr Summary

ATTENDED MONTHLY SAFETY MEETING IN GOLDSMITH--DROVE TO LOCATION & HELD PJSM & JSA.--OPN WELL & HAD 50#PSI & BLEED IT OFF & PMP DWN CG TO KILL GAS OFF.--STARTED IN THE HOLE W/ BHA.--CLOSE WELL IN WHILE NEW COPC INTERNS ARRIVED ON LOC. & WALKED THEM THROUGH WELL PROCEDURE ON BOTTOM HOLE TO SURFACE.--FINISHED GOING IN THE HOLE W/BHA.--NDBOP & SET TAC & NUWH. & CHANGED ALL EQUIPMENT TO RUN IN W/RODS.--SIW & SECURE.

24hr Forecast

RIN W/RODS & HOSO

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	COMP...	RPCO...	SFTY	P			ATTENDED MONTHLY SAFETY MEETING IN GOLDSMITH--DROVE TO LOCATION & HELD PJSM & JSA.
08:30	09:00	0.50	COMP...	RPCO...	KLWL	P			OPN WELL & HAD 50#PSI & BLEED IT OFF & PMP DWN CG TO KILL GAS OFF.
09:00	10:30	1.50	COMP...	RPCO...	TRIP	P			STARTED IN THE HOLE W/ BHA.
10:30	12:00	1.50	COMP...	RPCO...	OTHR	P			CLOSE WELL IN WHILE NEW COPC INTERNS ARRIVED ON LOC. & WALKED THEM THROUGH WELL PROCEDURE ON BOTTOM HOLE TO SURFACE.
12:00	15:00	3.00	COMP...	RPCO...	TRIP	P			FINISHED GOING IN THE HOLE W/BHA.
15:00	16:30	1.50	COMP...	RPCO...	NUND	P			NDBOP & SET TAC & NUWH. & CHANGED ALL EQUIPMENT TO RUN IN W/RODS.
16:30	18:00	1.50	COMP...	RPCO...		P			SIW & SECURE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		



Daily Partner Report
UNIVERSITY ANDREWS 236

Report Date: 6/6/2013
Report #: 12
Actual Days: 5.22

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 COMPLETIONS	Last Casing String Production1, 7,914.0ftKB	AFE Duration Total (days)	Total Job AFE Amount 654,260.00	Cumulative Cost 707,204.38
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Daily Ops Summary

Rig NABORS WELL SERVICE, NABORS 566	Wellbore Original Hole	Depth End (ftKB)	Depth Progress (ft)	Daily Cost Total 6,130.00
Weather	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)	Days From Spud (days) 41.04

Ops and Depth @ Morning Report

Last 24hr Summary

ARRIVED ON LOC. & HELD PJSM & JSA.--PREP RODS TO RUN IN THE HOLE.--PICKED UP NEW PMP & WENT IN THE HOLE W/RODS.--HOSO & LOAD & TEST WELL & GOOD & WENT TO CHECK PMP ACTION & BLEW FUSE ON UNIT.--WAITING TO GET FUSES REPLACED ON POWER POLE & LUFKIN TO ADJUST BELTS & REMOVE TO COUNTER WEIGHTS.--MSO WAS THERE TO WITNESS PMP ACTION & WAS GOOD.--CLEANED LOC. & RIG DOWN & MOVED RIG OFF PAD.--SENT CREW IN & TURNED WELL OVER TO SURFACE.

24hr Forecast

REPAIR RIG & WAITING ON WELL

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	07:30	1.50	COMP...	RPCO...	SFTY	P			ARRIVED ON LOC. & HELD PJSM & JSA.
07:30	08:30	1.00	COMP...	RPCO...	OTHR	P			PREP RODS TO RUN IN THE HOLE.
08:30	13:30	5.00	COMP...	RPCO...	OTHR	P			PICKED UP NEW PMP & WENT IN THE HOLE W/RODS.
13:30	14:30	1.00	COMP...	RPCO...	HOSO	P			HOSO & LOAD & TEST WELL & GOOD & WENT TO CHECK PMP ACTION & BLEW FUSE ON UNIT.
14:30	16:00	1.50	COMP...	RPCO...	OTHR	T			WAITING TO GET FUSES REPLACED ON POWER POLE & LUFKIN TO ADJUST BELTS & REMOVE TO COUNTER WEIGHTS.
16:00	16:30	0.50	COMP...	RPCO...	HOSO	P			MSO WAS THERE TO WITNESS PMP ACTION & WAS GOOD.
16:30	17:30	1.00	COMP...	RPCO...	RUNL	P			CLEANED LOC. & RIG DOWN & MOVED RIG OFF PAD.
17:30	19:00	1.50	DEMOB	RPCO...	MOB	P			SENT CREW IN & TURNED WELL OVER TO SURFACE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)

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	13.01	956.3
Production1	5 1/2	7,914.0	18.5	5/6/2013		17.00		