



Weatherford®

Cambrian Management, LTD

Anderson Ranch Unit #17

Lea Co., NM

Section 5

Weatherford Final Daily Activity Reports

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 1 - 2016/03/25

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

DIR Supervisor: Steve Alonzo

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 0.0 ft

END DEPTH: 0.0 ft

PROGRESS: 0.0 ft

AVG. ROP.: 0.0 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Standby

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-17:00	Travel To Job	17.00	0	n/a	17:00-24:00	Standby	7.00	0	n/a

TIME SUMMARY (hrs):

MOTOR DRILL: 0.00	ORIENTING HRS: 0.00	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 0.00	MOTOR HRS: 0.00
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 0.00	ROTARY DRILL: 0.00	OTHER: 24.00
MOTOR HRS: 0.00	DRILL HRS: 0.00	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE:	STRING WEIGHT: 0 lbs
WOB SLIDING (HI): 0 lbf	WOB ROTATE (HI): 0 lbf
WOB SLIDING (LO): 0 lbf	WOB ROTATE (LO): 0 lbf
RPM (ROTARY):	DRAG UP: 0 lbf
RPM (MOTOR):	DRAG DN: 0 lbf

BHA / MOTOR / BIT INFORMATION:

BHA:	HOLE SIZE:	SECTION TYPE:	SURVEY TYPE:
MANFCT.:	STABILIZER:	SERIAL#:	MODEL:
SETTING:	KICKPAD:	SIZE:	MTR HRS THIS DAY:
MANFCT:	BIT TYPE:	TYPE:	NOZZLES:
IADC BIT GRADE:			LOBE CFG.:
			MTR HRS TO DATE:

PUMP PARAMETERS

PRESSURE ON BTM: 0	PRESSURE OFF BTM: 0	TOTAL FLOW RATE: 0.00 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
PUMP 2: TYPE: PZ-10	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
PUMP 3: TYPE:	EFF.: 100.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE:	VISC: 0 sec/qt	WTR LOSS: 0 cc/30min	PV: 0 cP	YP: 0 lb/100 ft²	pH: 0
DENSITY: 0 lb/gal	GEL 0/10: 0.00 lb/100 ft²	SAND: 0	SOLIDS: 0	OIL: 0	TEMP: 0 °F
LIQUID BASE:		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

Arrived on location @ 17:00 Hrs. Check in with company man. Standby while rig test B.O.B.'s

CUSTOMER SIGNATURE: _____

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Daily Activity Report

Drilling Services
v4.2.2674

Day 2 - 2016/03/26

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

DIR Supervisor: Steve Alonzo

MWD Supervisor: Ryan Broadfoot, Constantino Oropeza

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 0.0 ft

END DEPTH: 0.0 ft

PROGRESS: 0.0 ft

AVG. ROP.: 0.0 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Standby

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-21:15	Standby	21.25	0	n/a	22:00-24:00	Standby	2.00	0	n/a
21:15-22:00	Other - See Comments - Orient Whipstock	0.75	0	n/a			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 0.00	ORIENTING HRS: 0.00	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 0.00	MOTOR HRS: 0.00
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 0.00	ROTARY DRILL: 0.00	OTHER: 24.00
MOTOR HRS: 0.00	DRILL HRS: 0.00	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE:	STRING WEIGHT 0 lbs
WOB SLIDING (HI): 0 lbf	WOB ROTATE (HI): 0 lbf
WOB SLIDING (LO): 0 lbf	WOB ROTATE (LO): 0 lbf
RPM (ROTARY):	DRAG UP: 0 lbf
RPM (MOTOR):	DRAG DN: 0 lbf

BHA / MOTOR / BIT INFORMATION:

BHA:	HOLE SIZE:	SECTION TYPE:	SURVEY TYPE:
MANFCT.:	STABILIZER:	SERIAL#:	MODEL:
SETTING:	KICKPAD:	SIZE:	MTR HRS THIS DAY:
MANFCT:	BIT TYPE:	TYPE:	NOZZLES:
IADC BIT GRADE:			LOBE CFG.: MTR HRS TO DATE:

PUMP PARAMETERS

PRESSURE ON BTM: 0	PRESSURE OFF BTM: 0	TOTAL FLOW RATE: 0.00 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
PUMP 2: TYPE: PZ-10	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
PUMP 3: TYPE:	EFF.: 100.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE:	VISC: 0 sec/qt	WTR LOSS: 0 cc/30min	PV: 0 cP	YP: 0 lb/100 ft²	pH: 0
DENSITY: 0 lb/gal	GEL 0/10: 0.00 lb/100 ft²	SAND: 0	SOLIDS: 0	OIL: 0	TEMP: 0 °F
LIQUID BASE:		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

00:15 P/U BHA 1 SIM RUN 00:45 M/U BHA 1 SIM RUN 01:35 TIH
 05:00 TAG JT 63 4' OUT WITH 10WOB PICKED UP SET BACK DOWN 5WOB DOWN TO 0 WOB TIH TO WATERMELON MILL TAG WITH 3 WOB PICKED UP ENGAGED TOP DRIVE CLEANED UP WITH 2 PASSES CAME BACK DOWN WITH NO SETDOWN CONTIUED TO TIH AND TAG CAST IRON PLUG @ 4067' MD. CIRCULATE AND P.O.O.H.

@ 15:30 Started to pick up whipstock scribe highside of whipstock with muleshoe. Trip in hole 4060' md.

@ 21:00 Rig up and run wireline. Check wireline seat and confirm(136°). Orient whipstock to 215° After setting anchor, whipstock set @ 210°. Pull out with wireline and start milling window in casing.

CUSTOMER SIGNATURE: _____

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Daily Activity Report

Drilling Services
v4.2.2674

Day 3 - 2016/03/27

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines
 DIR Supervisor: Steve Alonzo, Frank Taylor
 MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft START DEPTH: 0.0 ft PROGRESS: 4077.0 ft DAILY COST: USD\$0.00
 KB ELEV: 4285 ft END DEPTH: 4077.0 ft AVG. ROP.: 0.0 ft/hr PREVIOUS COST: USD\$0.00
 TOTAL COST: USD\$0.00

WORK STATUS: Standby (All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-19:30	Standby - Milling Window	19.50	4077	n/a	21:10-24:00	Work On EM MWD - Troubleshoot MWD	2.83	4077	1
19:30-21:10	Handle Directional Tools - P/U BHA #1	1.67	4077	1			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 0.00 ORIENTING HRS: 0.00 ROTARY DRILL: 0.00
 TIME DRILL: 0.00 ROTATING HRS: 0.00 MOTOR HRS: 0.00
 MOTOR REAM: 0.00 TRIP: 0.00
 CIRC: 0.00 ROTARY DRILL: 0.00 OTHER: 24.00
 MOTOR HRS: 0.00 DRILL HRS: 0.00 TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: STRING WEIGHT 0 lbs
 WOB SLIDING (HI): 0 lbf WOB ROTATE (HI): 0 lbf
 WOB SLIDING (LO): 0 lbf WOB ROTATE (LO): 0 lbf
 RPM (ROTARY): DRAG UP: 0 lbf
 RPM (MOTOR): DRAG DN: 0 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 1 HOLE SIZE: 7.875 in SECTION TYPE: Curve SURVEY TYPE: Electromagnetic MWD
 MANFCT.: Weatherford STABILIZER: No SERIAL#: 625-48032 MODEL: QLE7850 LOBE CFG.: 7/8
 SETTING: 1.64 ° KICKPAD: No SIZE: 6 3/4" (171mm) MTR HRS THIS DAY: 0 MTR HRS TO DATE: 0
 MANFCT: Drilformance BIT TYPE: PDC Bit TYPE: DF513T3 NOZZLES: 1.62 in² TFA
 IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF

PUMP PARAMETERS

PRESSURE ON BTM: 0 PRESSURE OFF BTM: 0 TOTAL FLOW RATE: 0.00 gal/min
 PUMP 1: TYPE: PZ-11 EFF.: 95.0% SPM: 0.00 LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
 PUMP 2: TYPE: PZ-10 EFF.: 95.0% SPM: 0.00 LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
 PUMP 3: TYPE: EFF.: 100.0% SPM: 0.00 LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: VISC: 0 sec/qt WTR LOSS: 0 cc/30min PV: 0 cP YP: 0 lb/100 ft² pH: 0
 DENSITY: 0 lb/gal GEL 0/10: 0.00 lb/100 ft² SAND: 0 SOLIDS: 0 OIL: 0 TEMP: 0 °F
 LIQUID BASE: LIQUID RATE: 0 gal/min GAS TYPE: GAS RATE: 0 cu ft/min

COMMENTS:

Continue to Mill window in casing.

POOH with Whipstock assembly.

Began picking up BHA #1 once we got to seating the MWD tool it wouldn't seat. We made several attempts at seating tool, then we changed out the stinger. After that we attempted to seat the tool again but it didn't work so we then changed out the UBHO and tried again without success. After troubleshooting several more times without success it was decided to get the parts to hang the EM tool.

CUSTOMER SIGNATURE: _____

**Weatherford**

Daily Activity Report

Drilling Services
v4.2.2674

Day 4 - 2016/03/28

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

START DEPTH: 4077.0 ft

PROGRESS: 97.0 ft

DAILY COST: USD\$0.00

KB ELEV: 4285 ft

END DEPTH: 4174.0 ft

AVG. ROP.: 11.4 ft/hr

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-03:15	Wait On MWD Tools - Wait on parts for EM	3.25	4077	1	11:00-12:15	Orienting With Motor - 10' @ 215 TF/Gyro	1.25	4088	1
03:15-04:25	Handle Directional Tools - P/U BHA #1	1.17	4077	1	12:15-13:45	Other - See Comments - Connection	1.50	4088	1
04:25-04:40	Other - See Comments - Orient Gyro UBHO	0.25	4077	1	13:45-14:00	Other - See Comments - Run Wireline	0.25	4088	1
04:40-06:30	RIH With Directional - To 4020'	1.83	4077	1	14:00-15:45	Orienting With Motor - 32' @ 215 TF	1.75	4120	1
06:30-08:45	Rig Up - Side Entry Eq.	2.25	4077	1	15:45-17:00	Other - See Comments - Connection	1.25	4120	1
08:45-10:30	Rig Up - Wireline & Run	1.75	4077	1	17:00-20:10	Orienting With Motor - 32' @ 210 TF	3.17	4152	1
10:30-10:45	Orienting With Motor - Through Window	0.25	4077	1	20:10-21:55	Other - See Comments - Connection	1.75	4152	1
10:45-11:00	Circulating - Fill Pipe	0.25	4077	1	21:55-24:00	Orienting With Motor - 31' @ 213	2.08	4174	1

TIME SUMMARY (hrs):

MOTOR DRILL:	8.50	ORIENTING HRS:	8.50	ROTARY DRILL:	0.00
TIME DRILL:	0.00	ROTATING HRS:	0.00	MOTOR HRS:	8.75
MOTOR REAM:	0.00			TRIP:	1.83
CIRC:	0.25	ROTARY DRILL:	0.00	OTHER:	13.42
MOTOR HRS:	8.75	DRILL HRS:	8.50	TOTAL HRS:	24.00

DRILLING PARAMETERS:

ROTARY TORQUE:		STRING WEIGHT	105000 lbs
WOB SLIDING (HI):	17000 lbf	WOB ROTATE (HI):	0 lbf
WOB SLIDING (LO):	10000 lbf	WOB ROTATE (LO):	0 lbf
RPM (ROTARY):	0 rpm	DRAG UP:	125000 lbf
RPM (MOTOR):	88 rpm	DRAG DN:	100000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 1	HOLE SIZE: 7.875 in	SECTION TYPE: Curve	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48032	MODEL: QLE7850
SETTING: 1.64 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 8.75
IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF			MTR HRS TO DATE: 8.75
			NOZZLES: 1.62 in ² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 1000	PRESSURE OFF BTM: 760	TOTAL FLOW RATE: 397.62 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 0.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 88.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk
	LINER: 7.00 in	STROKE VOL.: 4.7563 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 32 sec/qt	WTR LOSS: 0 cc/30min	PV: 5 cP	YP: 5 lb/100 ft ²	pH: 8
DENSITY: 9.55 lb/gal	GEL 0/10: 4.00 lb/100 ft ²	SAND: 0	SOLIDS: 2.66	OIL: 0	TEMP: 93 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

Wait on parts to hang EM tool from Midland.

After further discussion it was decided to go ahead and seat EM tool as best as we can and Lock it in. The Office was confident the tool was latching up.

Picked up remainder of BHA #1, oriented the gyro UBHO and tripped in the hole to 4025' md. Picked up side entry equipment. Rig up and run wireline. Orient through window.

Sliding 100% until motor yields accomplished.

During connections wire line tool is pulled above connection. After connection tool ran back down and resealed.

CUSTOMER SIGNATURE:

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Daily Activity Report

Drilling Services
v4.2.2674

Day 5 - 2016/03/29

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 4174.0 ft

END DEPTH: 4556.0 ft

PROGRESS: 382.0 ft

AVG. ROP.: 25.9 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:50	Orienting With Motor - 31' @ 213	0.83	4183	1	16:15-17:15	Rotating With Motor - 24K WOB, 25 RPM	1.00	4404	1
00:50-02:20	Other - See Comments - Conn	1.50	4183	1	17:15-17:30	Other - See Comments - Install Rot. Rubber	0.25	4404	1
02:20-03:20	Orienting With Motor - 32' @ 213	1.00	4215	1	17:30-17:45	Circ & Accumulate Surveys - @ 4349'	0.25	4404	1
03:20-04:30	Other - See Comments - Connection	1.17	4215	1	17:45-18:15	Rotating With Motor - 22K WOB, 25 RPM	0.50	4415	1
04:30-05:45	Orienting With Motor - 32' @ 220	1.25	4247	1	18:15-18:35	Orienting With Motor - 10' @ 20R	0.33	4425	1
05:45-07:45	Other - See Comments - Connection	2.00	4247	1	18:35-18:55	Rotating With Motor	0.33	4436	1
07:45-09:30	Orienting With Motor - 31' @ 210 TF	1.75	4278	1	18:55-19:00	EM MWD Surveys - 4381, 43.81, 208.95	0.08	4436	1
09:30-10:00	EM MWD Surveys - Confirm Svy Good	0.50	4278	1	19:00-19:20	Rotating With Motor	0.33	4446	1
10:00-10:45	Gyro Wellbore - Pull & Laid Gyro Dwn	0.75	4278	1	19:20-19:50	Orienting With Motor - 12' @ 20R	0.50	4458	1
10:45-11:30	Other - See Comments - L/D Side Entry Eq.	0.75	4278	1	19:50-20:15	Rotating With Motor	0.42	4467	1
11:30-12:15	Rotating With Motor - 20K WOB/ 25 RPM	0.75	4293	1	20:15-20:25	EM MWD Surveys - 4412, 44.63, 209.06	0.17	4467	1
12:15-12:45	Orienting With Motor - 16' @ HS	0.50	4309	1	20:25-20:50	Rotating With Motor	0.42	4477	1
12:45-13:00	Circ & Accumulate Surveys - @ 4254'	0.25	4309	1	20:50-21:20	Orienting With Motor - 10' @ 20R	0.50	4487	1
13:00-13:45	Rig Service	0.75	4309	1	21:20-21:40	Rotating With Motor	0.33	4499	1
13:45-14:15	Rotating With Motor - 20K WOB/ 25 RPM	0.50	4324	1	21:40-21:55	EM MWD Surveys - 4444, 46.94, 208.83	0.25	4499	1
14:15-14:45	Orienting With Motor - 17' @ HS	0.50	4341	1	21:55-22:55	Rotating With Motor	1.00	4530	1
14:45-15:00	Circ & Accumulate Surveys - @ 4286'	0.25	4341	1	22:55-23:00	EM MWD Surveys - 4475, 48.94, 209.33	0.08	4530	1
15:00-15:30	Rotating With Motor - 22K WOB, 25 RPM	0.50	4356	1	23:00-23:25	Rotating With Motor	0.42	4540	1
15:30-16:00	Orienting With Motor - 16' @ HS	0.50	4372	1	23:25-23:45	Orienting With Motor - 8' @ 45R	0.33	4548	1
16:00-16:15	Circ & Accumulate Surveys - @ 4317'	0.25	4372	1	23:45-24:00	Rotating With Motor	0.25	4556	1

TIME SUMMARY (hrs):

MOTOR DRILL: 14.75

ORIENTING HRS: 8.00

ROTARY DRILL: 0.00

TIME DRILL: 0.00

ROTATING HRS: 6.75

MOTOR HRS: 15.75

MOTOR REAM: 0.00

TRIP: 0.00

OTHER: 8.25

CIRC: 1.00

ROTARY DRILL: 0.00

TOTAL HRS: 24.00

MOTOR HRS: 15.75

DRILL HRS: 14.75

DRILLING PARAMETERS:

ROTARY TORQUE: 1200 ft-lb

STRING WEIGHT 110000 lbs

WOB SLIDING (HI): 25000 lbf

WOB ROTATE (HI): 25000 lbf

WOB SLIDING (LO): 20000 lbf

WOB ROTATE (LO): 18000 lbf

RPM (ROTARY): 25 rpm

DRAG UP: 130000 lbf

RPM (MOTOR): 126 rpm

DRAG DN: 105000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 1

HOLE SIZE: 7.875 in

SECTION TYPE: Curve

SURVEY TYPE: Electromagnetic MWD

MANFCT.: Weatherford

STABILIZER: No

SERIAL#: 625-48032

MODEL: QLE7850

LOBE CFG.:7/8

SETTING: 1.64 °

KICKPAD:No

SIZE: 6 3/4" (171mm)

MTR HRS THIS DAY: 15.75

MTR HRS TO DATE:24.5

MANFCT: Drilformance

BIT TYPE:PDC Bit

TYPE: DF513T3

NOZZLES:1.62 in² TFA

IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF



Weatherford®

Daily Activity Report

Drilling Services

v4.2.2674

Day 5 - 2016/03/29

PUMP PARAMETERS

PRESSURE ON BTM: 1250

PRESSURE OFF BTM: 900

TOTAL FLOW RATE: 437.13 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 102.00

LINER: 6.50 in

STROKE VOL.: 4.5112 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 4.7563 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 32 sec/qt

WTR LOSS: 0 cc/30min

PV: 4 cP

YP: 4 lb/100 ft²

pH: 10

DENSITY: 9.6 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 9.2

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the curve section using gyro for toolfaces to 4278' md. Pull gyro tool and lay down. Rig down side entry equipment. Continue drilling in curve section as per plan. Slide and rotate for build rates needed to land.

@ 16:45 Company man wants to rotate until we are needing 7-8° build rates to land. Whats to get closer to plan. @ last survey we are 40' above plan and needing 5°/100' to land.

CUSTOMER SIGNATURE: _____

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 6 - 2016/03/30

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

START DEPTH: 4556.0 ft

PROGRESS: 620.0 ft

DAILY COST: USD\$0.00

KB ELEV: 4285 ft

END DEPTH: 5176.0 ft

AVG. ROP.: 31.0 ft/hr

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:10	Rotating With Motor	0.17	4562	1	13:30-14:00	Rotating With Motor - 20K WOB, 30 RPM	0.50	4897	1
00:10-00:15	EM MWD Surveys - 4507, 49.75, 209.45	0.08	4562	1	14:00-14:30	Orienting With Motor - 12' @ 40 L	0.50	4909	1
00:15-00:35	Rotating With Motor	0.33	4572	1	14:30-14:45	Circ & Accumulate Surveys - @ 4854'	0.25	4909	1
00:35-01:10	Orienting With Motor - 15' @ 20R	0.58	4587	1	14:45-15:00	Rotating With Motor - 20K WOB, 25 RPM	0.25	4924	1
01:10-01:25	Rotating With Motor	0.25	4593	1	15:00-15:30	Orienting With Motor - 16' @ 50 L	0.50	4940	1
01:25-01:35	EM MWD Surveys - 4538, 50.50, 209.83	0.17	4593	1	15:30-15:45	Circ & Accumulate Surveys - @ 4885'	0.25	4940	1
01:35-01:55	Rotating With Motor	0.33	4603	1	15:45-16:15	Rotating With Motor - 20K WOB, 30 RPM	0.50	4955	1
01:55-02:15	Orienting With Motor - 10' @ 20R	0.33	4612	1	16:15-16:45	Orienting With Motor - 16' @ 40 L	0.50	4971	1
02:15-02:45	Rotating With Motor	0.50	4625	1	16:45-17:00	Circ & Accumulate Surveys - @ 4916'	0.25	4971	1
02:45-02:50	EM MWD Surveys - 4570, 52.50, 210.45	0.08	4625	1	17:00-17:15	Rotating With Motor - 23K WOB, 30 RPM	0.25	4991	1
02:50-04:35	Rotating With Motor	1.75	4656	1	17:15-17:45	Orienting With Motor - 12' @ 40 L	0.50	5003	1
04:35-04:45	EM MWD Surveys - 4601, 55.06, 210.58	0.17	4656	1	17:45-18:00	Circ & Accumulate Surveys - @ 4948'	0.25	5003	1
04:45-05:40	Rotating With Motor	0.92	4671	1	18:00-18:25	Rotating With Motor	0.42	5023	1
05:40-06:00	Orienting With Motor - 8' @ 70R	0.33	4679	1	18:25-19:10	Orienting With Motor - 8' @ 42L	0.75	5031	1
06:00-06:15	Rotating With Motor - 18K WOB, 25 RPM	0.25	4688	1	19:10-19:20	Rotating With Motor	0.17	5035	1
06:15-06:30	Circ & Accumulate Surveys - @ 4633'	0.25	4688	1	19:20-19:25	EM MWD Surveys - 4980, 71.69, 197.58	0.08	5035	1
06:30-06:45	Rotating With Motor - 18K WOB, 25 RPM	0.25	4700	1	19:25-19:40	Rotating With Motor	0.25	5045	1
06:45-07:15	Orienting With Motor - 9' @ HS	0.50	4709	1	19:40-20:10	Orienting With Motor - 15' @ 42L	0.50	5060	1
07:15-07:45	Rotating With Motor - 20K WOB, 25 RPM	0.50	4719	1	20:10-20:20	Rotating With Motor	0.17	5066	1
07:45-08:00	Circ & Accumulate Surveys - @ 4664'	0.25	4719	1	20:20-20:30	EM MWD Surveys - 5011, 73.19, 196.95	0.17	5066	1
08:00-08:45	Rotating With Motor - 20K WOB, 25 RPM	0.75	4751	1	20:30-20:45	Rotating With Motor	0.25	5076	1
08:45-09:00	Circ & Accumulate Surveys - @ 4696'	0.25	4751	1	20:45-21:10	Orienting With Motor - 15' @ 45L	0.42	5091	1
09:00-09:30	Rotating With Motor - 18K WOB, 25 RPM	0.50	4772	1	21:10-21:25	Rotating With Motor	0.25	5098	1
09:30-10:00	Orienting With Motor - 10' @ 60 L	0.50	4782	1	21:25-21:30	EM MWD Surveys - 5043, 75.50, 196.20	0.08	5098	1
10:00-10:15	Circ & Accumulate Surveys - @ 4727'	0.25	4782	1	21:30-21:55	Rotating With Motor	0.42	5113	1
10:15-10:30	Rotating With Motor - 22K WOB, 25 RPM	0.25	4802	1	21:55-22:15	Orienting With Motor - 9' @ 50L	0.33	5122	1
10:30-11:00	Orienting With Motor - 12' @ 60 L	0.50	4814	1	22:15-22:25	Rotating With Motor	0.17	5130	1
11:00-11:15	Circ & Accumulate Surveys - @ 4759'	0.25	4814	1	22:25-22:30	EM MWD Surveys - 5075, 78.13, 194.33	0.08	5130	1
11:15-11:30	Rotating With Motor - 25K WOB, 25 RPM	0.25	4834	1	22:30-22:50	Rotating With Motor	0.33	5140	1
11:30-11:45	Orienting With Motor - 12' @ 60 L	0.25	4846	1	22:50-23:10	Orienting With Motor - 10' @ 60L	0.33	5150	1
11:45-12:00	Circ & Accumulate Surveys - @ 4791'	0.25	4846	1	23:10-23:30	Rotating With Motor	0.33	5161	1
12:00-12:15	Rotating With Motor - 22K WOB, 30 RPM	0.25	4861	1	23:30-23:35	EM MWD Surveys - 5106, 80.00, 192.83	0.08	5161	1
12:15-13:00	Orienting With Motor - 16' @ 40 L	0.75	4877	1	23:35-23:50	Rotating With Motor	0.25	5171	1
13:00-13:30	Rig Service	0.50	4877	1	23:50-24:00	Orienting With Motor - 15' @ 60L	0.17	5176	1

TIME SUMMARY (hrs):

MOTOR DRILL: 20.00	ORIENTING HRS: 8.25	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 11.75	MOTOR HRS: 22.50
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 2.50	ROTARY DRILL: 0.00	OTHER: 1.50
MOTOR HRS: 22.50	DRILL HRS: 20.00	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 6500 ft-lb	STRING WEIGHT 110000 lbs
WOB SLIDING (HI): 35000 lbf	WOB ROTATE (HI): 24000 lbf
WOB SLIDING (LO): 25000 lbf	WOB ROTATE (LO): 18000 lbf
RPM (ROTARY): 25 rpm	DRAG UP: 130000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 100000 lbf

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 6 - 2016/03/30

BHA / MOTOR / BIT INFORMATION:

BHA: 1	HOLE SIZE: 7.875 in	SECTION TYPE: Curve	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48032	MODEL: QLE7850
SETTING: 1.64 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 22.5
IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF			MTR HRS TO DATE: 47
			NOZZLES: 1.62 in ² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 1350	PRESSURE OFF BTM: 1000	TOTAL FLOW RATE: 437.13 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0% SPM: 102.00	LINER: 7.00 in STROKE VOL.: 4.5112 gal/stk
PUMP 2: TYPE: PZ-10	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk
PUMP 3: TYPE:	EFF.: 100.0% SPM: 0.00	LINER: 0.00 in STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 31 sec/qt	WTR LOSS: 0 cc/30min	PV: 3 cP	YP: 4 lb/100 ft ²	pH: 10
DENSITY: 9.6 lb/gal	GEL 0/10: 2.00 lb/100 ft ²	SAND: 0	SOLIDS: 9.3	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the curve section.

CUSTOMER SIGNATURE:



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 7 - 2016/03/31

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 5176.0 ft

END DEPTH: 6268.0 ft

PROGRESS: 1092.0 ft

AVG. ROP.: 57.7 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:15	Orienting With Motor - 15' @ 60L	0.25	5186	1	09:15-10:30	Rotating With Motor - 24K WOB, 70 RPM	1.25	5626	1
00:15-00:30	Rotating With Motor	0.25	5192	1	10:30-10:45	EM MWD Surveys - @ 5571'	0.25	5626	1
00:30-00:40	EM MWD Surveys - 5137, 81.69, 191.2	0.17	5192	1	10:45-11:00	Rotating With Motor - 25K WOB, 70 RPM	0.25	5636	1
00:40-01:00	Rotating With Motor	0.33	5202	1	11:00-11:30	Orienting With Motor - 10' @ 130 L	0.50	5646	1
01:00-01:20	Orienting With Motor - 12' @ 65L	0.33	5214	1	11:30-12:30	Rotating With Motor - 25K WOB, 70 RPM	1.00	5717	1
01:20-01:35	Rotating With Motor	0.25	5223	1	12:30-12:45	EM MWD Surveys - @ 5662'	0.25	5717	1
01:35-01:45	EM MWD Surveys - 5168, 83.31, 190.8	0.17	5223	1	12:45-14:00	Rotating With Motor - 25K WOB, 70 RPM	1.25	5810	1
01:45-02:00	Rotating With Motor	0.25	5233	1	14:00-14:30	Rig Service	0.50	5810	1
02:00-02:30	Orienting With Motor - 13' @ 70L	0.50	5246	1	14:30-14:45	Orienting With Motor - 14' @ 180 TF	0.25	5824	1
02:30-02:40	Rotating With Motor	0.17	5253	1	14:45-15:15	Rotating With Motor - 25K WOB, 70 RPM	0.50	5824	1
02:40-02:55	EM MWD Surveys - 5198, 84.44, 188.33	0.25	5253	1	15:15-15:30	EM MWD Surveys - @ 5846'	0.25	5824	1
02:55-03:10	Rotating With Motor	0.25	5263	1	15:30-17:00	Rotating With Motor - 25K WOB, 70 RPM	1.50	5992	1
03:10-03:35	Orienting With Motor - 14' @ 70L	0.42	5277	1	17:00-17:15	EM MWD Surveys - @ 5937'	0.25	5992	1
03:35-03:50	Rotating With Motor	0.25	5284	1	17:15-17:30	Rotating With Motor - 25K WOB, 70 RPM	0.25	6002	1
03:50-04:00	EM MWD Surveys - 5229, 85.88, 186.33	0.17	5284	1	17:30-17:45	Orienting With Motor - 12' @ 110 L	0.25	6014	1
04:00-04:15	Rotating With Motor	0.25	5294	1	17:45-18:50	Rotating With Motor	1.08	6083	1
04:15-04:45	Orienting With Motor - 14' @ 70L	0.50	5308	1	18:50-18:55	EM MWD Surveys - 6028, 88.87, 177.95	0.08	6083	1
04:45-05:00	Rotating With Motor	0.25	5316	1	18:55-20:20	Rotating With Motor	1.42	6174	1
05:00-05:10	EM MWD Surveys - 5261, 87.56, 183.83	0.17	5316	1	20:20-20:30	EM MWD Surveys - 6119, 89.5, 178.32	0.17	6174	1
05:10-05:45	Rotating With Motor	0.58	5347	1	20:30-20:40	Rotating With Motor	0.17	6184	1
05:45-06:00	EM MWD Surveys - 5292,	0.25	5347	1	20:40-21:10	Orienting With Motor - 12' @ 150R	0.50	6196	1
06:00-07:30	Rotating With Motor - 22K WOB, 50 RPM	1.50	5440	1	21:10-22:20	Rotating With Motor	1.17	6268	1
07:30-07:45	EM MWD Surveys - @ 5385'	0.25	5440	1	22:20-23:15	Other - See Comments - Troubleshoot EM tool	0.92	6268	1
07:45-09:00	Rotating With Motor - 25K WOB, 65 RPM	1.25	5533	1	23:15-24:00	Circ & Condition Hole - For trip out	0.75	6268	1
09:00-09:15	Circ & Accumulate Surveys - @ 5478'	0.25	5533	1			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 18.92	ORIENTING HRS: 3.50	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 15.42	MOTOR HRS: 19.92
MOTOR REAM: 0.00	TRIP: 0.00	OTHER: 4.08
CIRC: 1.00	ROTARY DRILL: 0.00	
MOTOR HRS: 19.92	DRILL HRS: 18.92	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 10400 ft-lb	STRING WEIGHT 112000 lbs
WOB SLIDING (HI): 40000 lbf	WOB ROTATE (HI): 26000 lbf
WOB SLIDING (LO): 35000 lbf	WOB ROTATE (LO): 22000 lbf
RPM (ROTARY): 25 rpm	DRAG UP: 130000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 100000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 1	HOLE SIZE: 7.875 in	SECTION TYPE: Curve	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48032	MODEL: QLE7850
SETTING: 1.64 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 19.916666666666666
IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF			NOZZLES: 1.62 in² TFA



Weatherford

Daily Activity Report

Drilling Services

v4.2.2674

Day 7 - 2016/03/31

PUMP PARAMETERS

PRESSURE ON BTM: 1550

PRESSURE OFF BTM: 1200

TOTAL FLOW RATE: 506.97 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 102.00

LINER: 7.00 in

STROKE VOL.: 5.2319 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 30 sec/qt

WTR LOSS: 0 cc/30min

PV: 3 cP

YP: 4 lb/100 ft²

pH: 10

DENSITY: 9.7 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 10

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min

COMMENTS:

Landed Curve @ 5,308'

Drill ahead in the lateral section.

At around 6,184' the MWD lost signal to the EM tool. We drilled down to 6,268 while the MWD's worked on the tool. Once we got there we stopped drilling while the MWD's performed troubleshooting procedures.

We pulled back 2 stands to see if we could re-establish signal with no success. It was decided to POOH and C/O MWD.

CUSTOMER SIGNATURE: _____

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 8 - 2016/04/01

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines
 DIR Supervisor: Steve Alonzo, Frank Taylor
 MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft START DEPTH: 6268.0 ft PROGRESS: 480.0 ft DAILY COST: USD\$0.00
 KB ELEV: 4285 ft END DEPTH: 6748.0 ft AVG. ROP.: 63.3 ft/hr PREVIOUS COST: USD\$0.00
 TOTAL COST: USD\$0.00

WORK STATUS: Operating (All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-04:45	POOH For EM MWD	4.75	6268	1	16:00-16:15	Rotating With Motor - 25K WOB, 70 RPM	0.25	6335	2L
04:45-06:45	Handle Directional Tools - L/D BHA 1	2.00	6268	1	16:15-16:45	Orienting With Motor - 14' @ 150 R	0.50	6335	2L
06:45-08:15	Handle Directional Tools - P/U BHA 2	1.50	6268	2L	16:45-17:30	Rotating With Motor - 25K WOB, 70 RPM	0.75	6417	2L
08:15-10:30	RIH - To 3894'	2.25	6268	2L	17:30-17:35	EM MWD Surveys - 6362, 87.63, 179.33	0.08	6417	2L
10:30-11:45	Slip And Cut	1.25	6268	2L	17:35-18:10	Rig Service	0.58	6417	2L
11:45-12:00	Other - See Comments - Orient Thr./Window	0.25	6268	2L	18:10-19:20	Rotating With Motor	1.17	6509	2L
12:00-12:30	RIH - To 5081'	0.50	6268	2L	19:20-19:30	EM MWD Surveys - 6454, 88.00, 178.95	0.17	6509	2L
12:30-12:45	Gamma Rerun - Relog F/5081'- 5102'	0.25	6268	2L	19:30-19:40	Rotating With Motor	0.17	6519	2L
12:45-13:15	RIH - F/5102' T/5845'	0.50	6268	2L	19:40-20:20	Orienting With Motor - 20' @ 150R	0.67	6539	2L
13:15-13:45	Gamma Rerun - Relog F/5845'- 5861'	0.50	6268	2L	20:20-21:15	Rotating With Motor	0.92	6602	2L
13:45-14:00	RIH - To 6170'	0.25	6268	2L	21:15-21:25	EM MWD Surveys - 6547, 86.25, 179.57	0.17	6602	2L
14:00-15:00	Gamma Rerun - Relog F/6170'- 6268'	1.00	6268	2L	21:25-23:05	Rotating With Motor	1.67	6694	2L
15:00-15:45	Rotating With Motor - 25K WOB, 70 RPM	0.75	6325	2L	23:05-23:15	EM MWD Surveys - 6639, 86.50, 179.45	0.17	6694	2L
15:45-16:00	EM MWD Surveys - @ 6270'	0.25	6325	2L	23:15-24:00	Rotating With Motor	0.75	6748	2L

TIME SUMMARY (hrs):

MOTOR DRILL: 7.58	ORIENTING HRS: 0.00	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 0.00	MOTOR HRS: 7.58
MOTOR REAM: 0.00		TRIP: 8.25
CIRC: 0.00	ROTARY DRILL: 0.00	OTHER: 8.17
MOTOR HRS: 7.58	DRILL HRS: 7.58	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 12500 ft-lb	STRING WEIGHT: 1116000 lbs
WOB SLIDING (HI): 60000 lbf	WOB ROTATE (HI): 25000 lbf
WOB SLIDING (LO): 40000 lbf	WOB ROTATE (LO): 20000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 125000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 100000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 1	HOLE SIZE: 7.875 in	SECTION TYPE: Curve	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48032	MODEL: QLE7850
SETTING: 1.64 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 0
IADC BIT GRADE: 1 / 3 / BT / G / X / I / NO / DTF			NOZZLES: 1.62 in² TFA
			MTR HRS TO DATE: 66.91666666666666

BHA: 2L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48023	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 7.583333333333333
IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / HP			NOZZLES: 1.62 in² TFA
			MTR HRS TO DATE: 7.583333333333333

**Weatherford®**

Daily Activity Report

Drilling Services

v4.2.2674

Day 8 - 2016/04/01**PUMP PARAMETERS****PRESSURE ON BTM:** 1915**PRESSURE OFF BTM:** 1575**TOTAL FLOW RATE:** 506.97 gal/min**PUMP 1:** TYPE: PZ-11**EFF.:** 95.0%**SPM:** 102.00**LINER:** 7.00 in**STROKE VOL.:** 5.2319 gal/stk**PUMP 2:** TYPE: PZ-10**EFF.:** 95.0%**SPM:** 0.00**LINER:** 0.00 in**STROKE VOL.:** 0.0000 gal/stk**PUMP 3:** TYPE:**EFF.:** 100.0%**SPM:** 0.00**LINER:** 0.00 in**STROKE VOL.:** 0.0000 gal/stk**MUD RECORD****MUD TYPE:** Brine or Salt**VISC:** 30 sec/qt**WTR LOSS:** 0 cc/30min**PV:** 3 cP**YP:** 10 lb/100 ft² **pH:** 0.0**DENSITY:** 9.9 lb/gal**GEL 0/10:** 2.00 lb/100 ft²**SAND:** 0**SOLIDS:** 10.6**OIL:** 0**TEMP:** 0 °F**LIQUID BASE:** Water**LIQUID RATE:** 0 gal/min**GAS TYPE:****GAS RATE:** 0 cu ft/min**COMMENTS:**

POOH to C/O MWD, Upon surface inspection the motor had approx. 1/8" play in axial bearings. It drained normally without any noticeable noise.

Change out EM tool, Motor, Flex, and laid down NMDC.

Trip in hole with BHA 2L to 3894' md. Slip N cut drill line. Orient through window and continue to trip in hole. Had to rewire gamma @ 100' hr.

F/5081' - 5102'

F/5845' - 5861'

F/6170' - 6268'

New Target Change: @ 6268' md lowered the BHL TVD 10' to 4800'TVD.

Tie on 6119 drop/turn 1.5 DLS to 180 Azi. and 87.35 Inc. hold 300'MD then build 1.5 DLS to 89.5 Inc. and hold to BHL at 4800'TVD.

CUSTOMER SIGNATURE:



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 9 - 2016/04/02

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 6748.0 ft

END DEPTH: 8101.0 ft

PROGRESS: 1353.0 ft

AVG. ROP.: 65.0 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:45	Rotating With Motor	0.75	6789	2L	11:45-13:15	Rotating With Motor - 25K WOB, 70 RPM	1.50	7454	2L
00:45-00:55	EM MWD Surveys - 6734, 86.94, 179.45	0.17	6789	2L	13:15-13:30	EM MWD Surveys - @ 7399'	0.25	7454	2L
00:55-01:10	Rotating With Motor	0.25	6799	2L	13:30-13:45	Rotating With Motor - 25K WOB, 70 RPM	0.25	7464	2L
01:10-01:55	Orienting With Motor - 20' @ 30R	0.75	6819	2L	13:45-14:15	Orienting With Motor - 10' @ 180	0.50	7474	2L
01:55-03:00	Rotating With Motor	1.08	6884	2L	14:15-15:15	Rotating With Motor - 25K WOB, 70 RPM	1.00	7549	2L
03:00-03:10	EM MWD Surveys - 6829, 88.19, 180.45	0.17	6884	2L	15:15-15:30	EM MWD Surveys - @ 7494'	0.25	7549	2L
03:10-03:25	Rotating With Motor	0.25	6894	2L	15:30-16:45	Rotating With Motor	1.25	7644	2L
03:25-04:20	Orienting With Motor - 20' @ 20R	0.92	6914	2L	16:45-17:15	Rig Service	0.50	7644	2L
04:20-05:20	Rotating With Motor	1.00	6979	2L	17:15-18:30	Rotating With Motor	1.25	7739	2L
05:20-05:30	EM MWD Surveys - 6924, 90.5, 180.7	0.17	6979	2L	18:30-18:45	EM MWD Surveys - 7684, 89.5, 180.08	0.25	7739	2L
05:30-06:45	Rotating With Motor	1.25	7074	2L	18:45-19:55	Rotating With Motor	1.17	7833	2L
06:45-07:00	EM MWD Surveys - @ 7019'	0.25	7074	2L	19:55-20:05	EM MWD Surveys - 7778, 89.69, 180.07	0.17	7833	2L
07:00-08:30	Rotating With Motor - 25K WOB, 70 RPM	1.50	7169	2L	20:05-21:25	Rotating With Motor	1.33	7928	2L
08:30-08:45	EM MWD Surveys - @ 7114'	0.25	7169	2L	21:25-21:30	EM MWD Surveys - 7873, 89.69, 180.33	0.08	7928	2L
08:45-10:00	Rotating With Motor - 25K WOB, 70 RPM	1.25	7264	2L	21:30-22:50	Rotating With Motor	1.33	8024	2L
10:00-10:15	EM MWD Surveys - @ 7209'	0.25	7264	2L	22:50-23:00	EM MWD Surveys - 7969, 89.81, 180.2	0.17	8024	2L
10:15-11:30	Rotating With Motor - 25K WOB, 70 RPM	1.25	7359	2L	23:00-24:00	Rotating With Motor	1.00	8101	2L
11:30-11:45	EM MWD Surveys - @ 7304'	0.25	7359	2L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 20.83	ORIENTING HRS: 2.17	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 18.67	MOTOR HRS: 20.83
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 0.00	ROTARY DRILL: 0.00	OTHER: 3.17
MOTOR HRS: 20.83	DRILL HRS: 20.83	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 14500 ft-lb	STRING WEIGHT: 130000 lbs
WOB SLIDING (HI): 50000 lbf	WOB ROTATE (HI): 26000 lbf
WOB SLIDING (LO): 45000 lbf	WOB ROTATE (LO): 22000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 160000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 80000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 2L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48023	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 20.83333333
IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / HP			TOTAL HRS TO DATE: 28.416666666666666
			NOZZLES: 1.62 in² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 2200	PRESSURE OFF BTM: 1900	TOTAL FLOW RATE: 506.97 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 102.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 0.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
	LINER: 7.00 in	STROKE VOL.: 5.2319 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 30 sec/qt	WTR LOSS: 0 cc/30min	PV: 3 cP	YP: 10 lb/100 ft²	pH: 10
DENSITY: 9.8 lb/gal	GEL 0/10: 2.00 lb/100 ft²	SAND: 0	SOLIDS: 10.7	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min



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Day 9 - 2016/04/02

— COMMENTS: _____

Drill ahead in the lateral section.

CUSTOMER SIGNATURE: _____



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 10 - 2016/04/03

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 8101.0 ft

END DEPTH: 8877.0 ft

PROGRESS: 776.0 ft

AVG. ROP.: 57.8 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:20	Rotating With Motor	0.33	8118	2L	09:00-10:30	Orienting With Motor - 10' @ 40 L	1.50	8613	2L
00:20-00:30	EM MWD Surveys - 8063, 89.88, 180.45	0.17	8118	2L	10:30-11:30	Rotating With Motor - 30K WOB, 70 RPM	1.00	8688	2L
00:30-02:05	Rotating With Motor	1.58	8214	2L	11:30-11:45	EM MWD Surveys - @ 8633'	0.25	8688	2L
02:05-02:15	EM MWD Surveys - 8159, 89.5, 180.83	0.17	8214	2L	11:45-12:00	Rotating With Motor - 30K WOB, 70 RPM	0.25	8698	2L
02:15-04:00	Rotating With Motor	1.75	8309	2L	12:00-12:15	Orienting With Motor - 4' @ 80 L	0.25	8702	2L
04:00-04:10	EM MWD Surveys - 8254, 89.25, 180.7	0.17	8309	2L	12:15-13:00	Rotating With Motor - 30K WOB, 70 RPM	0.75	8783	2L
04:10-05:35	Rotating With Motor	1.42	8403	2L	13:00-13:15	EM MWD Surveys - @ 8728'	0.25	8783	2L
05:35-05:40	EM MWD Surveys - 8348, 88.88, 180.83	0.08	8403	2L	13:15-13:30	Rotating With Motor - 30K WOB, 70 RPM	0.25	8793	2L
05:40-07:00	Rotating With Motor - 25K WOB, 60 RPM	1.33	8498	2L	13:30-14:00	Orienting With Motor - 10' @ 60 L	0.50	8803	2L
07:00-07:15	EM MWD Surveys - @ 8443'	0.25	8498	2L	14:00-15:00	Rotating With Motor - 30K WOB, 70 RPM	1.00	8877	2L
07:15-08:30	Rotating With Motor - 30K WOB, 70 RPM	1.25	8593	2L	15:00-22:45	Work Stuck Pipe & Circ	7.75	8877	2L
08:30-08:45	EM MWD Surveys - @ 8538'	0.25	8593	2L	22:45-24:00	Rig Repair - Repair TD	1.25	8877	2L
08:45-09:00	Rotating With Motor - 30K WOB, 70 RPM	0.25	8603	2L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 13.42	ORIENTING HRS: 2.25
TIME DRILL: 0.00	ROTATING HRS: 11.17
MOTOR REAM: 0.00	
CIRC: 7.75	ROTARY DRILL: 0.00
MOTOR HRS: 21.17	DRILL HRS: 13.42

ROTARY DRILL: 0.00	MOTOR HRS: 21.17
TRIP: 0.00	
OTHER: 2.83	
TOTAL HRS: 24.00	

DRILLING PARAMETERS:

ROTARY TORQUE: 14500 ft-lb	STRING WEIGHT: 130000 lbs
WOB SLIDING (HI): 52000 lbf	WOB ROTATE (HI): 27000 lbf
WOB SLIDING (LO): 45000 lbf	WOB ROTATE (LO): 23000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 160000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 80000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 2L

HOLE SIZE: 7.875 in

SECTION TYPE: Lateral 1

SURVEY TYPE: Electromagnetic MWD

MANFCT.: Weatherford

STABILIZER: No

SERIAL#: 625-48023

MODEL: QLE7850

LOBE CFG.: 7/8

SETTING: 1.29 °

KICKPAD: No

SIZE: 6 3/4" (171mm)

MTR HRS THIS DAY: 21.166666666666667

MTR HRS TO DATE: 49.58333333333333

MANFCT: Drilformance

BIT TYPE: PDC Bit

TYPE: DF513T3

NOZZLES: 1.62 in² TFA

IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / HP

PUMP PARAMETERS

PRESSURE ON BTM: 2200

PRESSURE OFF BTM: 1900

TOTAL FLOW RATE: 506.97 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 102.00

LINER: 7.00 in

STROKE VOL.: 5.2319 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 31 sec/qt

WTR LOSS: 0 cc/30min

PV: 4 cP

YP: 6 lb/100 ft²

pH: 10

DENSITY: 9.8 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 10.7

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the lateral section. Pumping sweep to reduce torque and help with slides. Sweep consist of : graphite and nut plug.

@ 15:00 After drilling down to 8877' md. Pull up, back reaming stand. @ 8795' got stuck. Started working tight spot from 8790' - 8800'. Pull 145k over



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string weight. Continue to pump sweeps, also added 100 gal. of Pro 1 lube.

While trying to free Pipe by working torque in drill string blew a hydraulic hose on the Top Drive, so we don't have any rotating ability. They have a mechanic and parts on the way out to repair that. In addition, we have blown an air line and they are in the process of repairing that. Once we get the air line repaired we plan on spotting another pill around the bit and letting it soak, and then try to work it free. The Company Man is in discussion on what to do if that's unsuccessful. He has mentioned the possibility of pumping acid downhole in an effort to dissolve formation.

CUSTOMER SIGNATURE: _____



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 11 - 2016/04/04

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 8877.0 ft

END DEPTH: 8915.0 ft

PROGRESS: 38.0 ft

AVG. ROP.: 50.7 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-02:00	Rig Repair - Repair TD	2.00	8877	2L	16:00-19:25	Work Tight Hole & Circ - F/4776 - T/5440	3.42	8877	3 L
02:00-02:45	Work Stuck Pipe & Circ - Freed up	0.75	8877	2L	19:25-19:45	RIH With Directional - F/5440 - T/5645	0.33	8877	3 L
02:45-04:45	Circ & Condition Hole	2.00	8877	2L	19:45-19:55	Work Tight Hole & Circ - F/5645 - T/5725	0.17	8877	3 L
04:45-04:50	EM MWD Surveys	0.08	8877	2L	19:55-20:05	RIH With Directional - F/5725 - T/6010	0.17	8877	3 L
04:50-09:45	POOH To Check Tools	4.92	8877	2L	20:05-20:15	Work Tight Hole & Circ - F/6010 - T/6105	0.17	8877	3 L
09:45-11:00	Handle Directional Tools - Pull MWD & C/O Mtr.	1.25	8877	2L	20:15-21:15	RIH With Directional - F/6105 - T/7615	1.00	8877	3 L
11:00-12:30	Rig Service	1.50	8877	2L	21:15-22:05	Circ & Condition Hole - CBU	0.83	8877	3 L
12:30-12:45	Handle Directional Tools - Install MWD & Scribe	0.25	8877	3 L	22:05-22:55	RIH With Directional - T/8812	0.83	8877	3 L
12:45-13:00	Handle Directional Tools - M/U Bit	0.25	8877	3 L	22:55-23:10	Wash To Bottom	0.25	8877	3 L
13:00-15:15	RIH - to 4700 (tight Spot)	2.25	8877	3 L	23:10-23:45	Rotating With Motor	0.58	8906	3 L
15:15-15:45	Work Tight Hole & Circ - f/4700 t/4715	0.50	8877	3 L	23:45-23:50	EM MWD Surveys - 8851, 89.38, 179.2	0.08	8906	3 L
15:45-16:00	RIH With Directional - F/4715 - T/4776	0.25	8877	3 L	23:50-24:00	Rotating With Motor	0.17	8915	3 L

TIME SUMMARY (hrs):

MOTOR DRILL: 0.75	ORIENTING HRS: 0.00	ROTARY DRILL: 0.00	ROTARY TORQUE: 13600 ft-lb	STRING WEIGHT: 130000 lbs
TIME DRILL: 0.00	ROTATING HRS: 0.00	MOTOR HRS: 8.83	WOB SLIDING (HI): 0 lbf	WOB ROTATE (HI): 25000 lbf
MOTOR REAM: 0.00		TRIP: 9.75	WOB SLIDING (LO): 0 lbf	WOB ROTATE (LO): 10000 lbf
CIRC: 8.08	ROTARY DRILL: 0.00	OTHER: 5.42	RPM (ROTARY): 70 rpm	DRAG UP: 160000 lbf
MOTOR HRS: 8.83	DRILL HRS: 0.75	TOTAL HRS: 24.00	RPM (MOTOR): 126 rpm	DRAG DN: 80000 lbf

DRILLING PARAMETERS:

BHA / MOTOR / BIT INFORMATION:

BHA: 2L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-48023	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 2.75
IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / HP			MTR HRS TO DATE: 52.333333333333
			NOZZLES: 1.62 in² TFA

BHA: 3 L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Electromagnetic MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 325-41170	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF513T3	MTR HRS THIS DAY: 6.0833333333333
IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / DTF			MTR HRS TO DATE: 6.0833333333333
			NOZZLES: 1.62 in² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 2710	PRESSURE OFF BTM: 2430	TOTAL FLOW RATE: 467.21 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 94.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 0.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
	LINER: 7.00 in	STROKE VOL.: 5.2319 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 0 sec/qt	WTR LOSS: 0 cc/30min	PV: 0 cP	YP: 0 lb/100 ft²	pH: 0
DENSITY: 0 lb/gal	GEL 0/10: 0.00 lb/100 ft²	SAND: 0	SOLIDS: 0	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min



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Day 11 - 2016/04/04

COMMENTS:

Continue to Repair TD.

Work stuck Pipe. (Got pipe loose)

Circulate and condition hole.

POOH to C/O BHA

Once out the hole inspected BHA, no visual problems. Drain motor and breakout bit. Pulled MWD tool. Change out motor. Performed Rig Service, inspect top drive and changed out shaker screens. Install MWD and scribe. Shallow test tools(Good Test). Make up bit and T.I.H. with BHA #3. Ran 25 stands, pick up agitator and Test.

At 4,700' we ran in to tight hole. We washed and reamed tight spots (at 4700-4715, 4776-5440, 5645 & 6010') while tripping in to 7,615' where we pumped a sweep and circulated it around. We then tripped in to 8812' MD, washed to bottom and began drilling ahead in the lateral section.

CUSTOMER SIGNATURE: _____



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Daily Activity Report

Drilling Services
v4.2.2674

Day 12 - 2016/04/05

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 8915.0 ft

END DEPTH: 9949.0 ft

PROGRESS: 1034.0 ft

AVG. ROP.: 52.1 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-01:15	Rotating With Motor	1.25	9001	3 L	13:00-13:15	EM MWD Surveys - 9420'	0.25	9475	3 L
01:15-01:25	EM MWD Surveys - 8946, 90.25, 179.33	0.17	9001	3 L	13:15-13:30	Rotating With Motor - 25K WOB, 70 RPM	0.25	9485	3 L
01:25-02:00	Rotating With Motor	0.58	9011	3 L	13:30-14:00	Orienting With Motor - 18' @ 180	0.50	9503	3 L
02:00-02:45	Orienting With Motor - 12' @ LS	0.75	9023	3 L	14:00-15:00	Rotating With Motor - 26K WOB, 70 RPM	1.00	9570	3 L
02:45-03:55	Rotating With Motor	1.17	9096	3 L	15:00-15:45	Rig Service	0.75	9570	3 L
03:55-04:10	EM MWD Surveys - 9041, 89.5, 179.45	0.25	9096	3 L	15:45-16:00	Rotating With Motor - 25K WOB, 70 RPM	0.25	9580	3 L
04:10-05:00	Rotating With Motor	0.83	9145	3 L	16:00-16:45	Orienting With Motor - 30' @ 180	0.75	9610	3 L
05:00-05:30	Rig Repair - Repair Washed out 2"	0.50	9145	3 L	16:45-17:30	Rotating With Motor - 23K WOB , 70 RPM	0.75	9665	3 L
05:30-06:30	Rotating With Motor	1.00	9190	3 L	17:30-17:45	EM MWD Surveys - 9610, 89.13, 180.32	0.25	9665	3 L
06:30-06:45	Rotating With Motor - 25K WOB, 70 RPM	0.25	9200	3 L	17:45-19:00	Rotating With Motor	1.25	9760	3 L
06:45-07:15	Orienting With Motor - 12' @ 170 R	0.50	9212	3 L	19:00-19:10	EM MWD Surveys - 9705, 90.00, 180.45	0.17	9760	3 L
07:15-08:30	Rotating With Motor - 27K WOB, 70 RPM	1.25	9285	3 L	19:10-19:15	Rotating With Motor	0.08	9770	3 L
08:30-08:45	EM MWD Surveys - @ 9230'	0.25	9285	3 L	19:15-20:15	Orienting With Motor - 30' @ 170L	1.00	9800	3 L
08:45-10:15	Rotating With Motor - 25K WOB, 70 RPM	1.50	9380	3 L	20:15-21:25	Rotating With Motor	1.17	9855	3 L
10:15-10:30	EM MWD Surveys - @ 9335'	0.25	9380	3 L	21:25-21:35	EM MWD Surveys - 9800, 89.19, 180.33	0.17	9855	3 L
10:30-10:45	Rotating With Motor - 20K WOB, 70 RPM	0.25	9390	3 L	21:35-22:15	Rig Repair - Work on Saver Sub	0.67	9855	3 L
10:45-11:15	Orienting With Motor - 13' @ 150 R	0.50	9403	3 L	22:15-22:30	Rotating With Motor	0.25	9865	3 L
11:15-11:45	Other - See Comments - C/O D.P. Joint, wash	0.50	9403	3 L	22:30-23:00	Orienting With Motor - 20' @ 160L	0.50	9885	3 L
11:45-12:00	Orienting With Motor - 7' @ 180	0.25	9410	3 L	23:00-24:00	Rotating With Motor	1.00	9949	3 L
12:00-13:00	Rotating With Motor - 25K WOB, 70 RPM	1.00	9475	3 L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 19.83
TIME DRILL: 0.00
MOTOR REAM: 0.00
CIRC: 0.00
MOTOR HRS: 19.83

ORIENTING HRS: 4.75
ROTATING HRS: 15.08
ROTARY DRILL: 0.00
MOTOR HRS: 19.83
TRIP: 0.00
OTHER: 4.17
DRILL HRS: 19.83

ROTARY DRILL: 0.00
MOTOR HRS: 19.83
TRIP: 0.00
OTHER: 4.17
TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 14000 ft-lb
WOB SLIDING (HI): 25000 lbf
WOB SLIDING (LO): 18000 lbf
RPM (ROTARY): 70 rpm
RPM (MOTOR): 122 rpm
STRING WEIGHT 135000 lbs
WOB ROTATE (HI): 28000 lbf
WOB ROTATE (LO): 22000 lbf
DRAG UP: 190000 lbf
DRAG DN: 750000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 3 L
MANFCT.: Weatherford
SETTING: 1.29 °
MANFCT: Drilformance
IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / DTF

HOLE SIZE: 7.875 in
STABILIZER: No
KICKPAD: No
BIT TYPE: PDC Bit

SECTION TYPE: Lateral 1
SERIAL#: 325-41170
SIZE: 6 3/4" (171mm)
TYPE: DF513T3

SURVEY TYPE: Electromagnetic MWD
MODEL: QLE7850
LOBE CFG.: 7/8
MTR HRS THIS DAY: 19.83333333
NOZZLES: 1.62 in² TFA



Weatherford®

Daily Activity Report

Drilling Services

v4.2.2674

Day 12 - 2016/04/05

PUMP PARAMETERS

PRESSURE ON BTM: 2850

PRESSURE OFF BTM: 2550

TOTAL FLOW RATE: 424.73 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 94.00

LINER: 7.00 in

STROKE VOL.: 4.7563 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 31 sec/qt

WTR LOSS: 0 cc/30min

PV: 5 cP

YP: 5 lb/100 ft²

pH: 9

DENSITY: 9.8 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 10.7

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the lateral section. Sliding to maintain Inc. Building in rotation 1-2°/100'.

CUSTOMER SIGNATURE: _____

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 13 - 2016/04/06

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

START DEPTH: 9949.0 ft

PROGRESS: 962.0 ft

DAILY COST: USD\$0.00

KB ELEV: 4285 ft

END DEPTH: 10911.0 ft

AVG. ROP.: 62.4 ft/hr

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:10	EM MWD Surveys - 9894, 88.56, 179.7	0.17	9949	3 L	09:45-11:15	Rotating With Motor - 22K WOB, 70 RPM	1.50	10518	3 L
00:10-01:35	Rotating With Motor	1.42	10044	3 L	11:15-11:30	EM MWD Surveys - @ 10463'	0.25	10518	3 L
01:35-01:45	EM MWD Surveys - 9989, 90.00, 179.95	0.17	10044	3 L	11:30-11:45	Rotating With Motor - 25K WOB, 70 RPM	0.25	10528	3 L
01:45-02:00	Rotating With Motor	0.25	10054	3 L	11:45-12:45	Orienting With Motor - 30' @ 180	1.00	10558	3 L
02:00-02:40	Orienting With Motor - 30' @ 160L	0.67	10084	3 L	12:45-13:15	Rotating With Motor - 25K WOB, 70 RPM	0.50	10613	3 L
02:40-03:30	Rotating With Motor	0.83	10139	3 L	13:15-13:30	EM MWD Surveys - @ 10558'	0.25	10613	3 L
03:30-03:40	EM MWD Surveys - 10084, 89.13, 179.58	0.17	10139	3 L	13:30-13:45	Rotating With Motor - 25K WOB, 70 RPM	0.25	10623	3 L
03:40-03:55	Rotating With Motor	0.25	10149	3 L	13:45-14:15	Orienting With Motor - 30' @ 17 R	0.50	10653	3 L
03:55-04:20	Orienting With Motor - 20' @ 170L	0.42	10149	3 L	14:15-15:00	Rotating With Motor - 20K WOB, 70 RPM	0.75	10707	3 L
04:20-05:05	Rotating With Motor	0.75	10234	3 L	15:00-15:30	Rig Service	0.50	10707	3 L
05:05-05:15	EM MWD Surveys - 10179, 88.69, 179.20	0.17	10234	3 L	15:30-15:45	Rotating With Motor - 22K WOB, 70 RPM	0.25	10717	3 L
05:15-06:30	Rotating With Motor - 24K WOB, 70 RPM	1.25	10328	3 L	15:45-16:15	Orienting With Motor - 20' @ 180	0.50	10737	3 L
06:30-06:45	EM MWD Surveys - @ 10273'	0.25	10328	3 L	16:15-17:00	Rotating With Motor - 18K WOB, 70 RPM	0.75	10803	3 L
06:45-07:00	Rotating With Motor - 25K WOB, 70 RPM	0.25	10338	3 L	17:00-17:15	EM MWD Surveys - 10748, 88.38, 179.82	0.25	10803	3 L
07:00-07:45	Orienting With Motor - 30' @ 180	0.75	10368	3 L	17:15-18:35	Rotating With Motor	1.33	10897	3 L
07:45-08:30	Rotating With Motor - 26K WOB, 70 RPM	0.75	10423	3 L	18:35-18:45	EM MWD Surveys - 10842, 90.25, 179.57	0.17	10897	3 L
08:30-08:45	EM MWD Surveys - @ 10368'	0.25	10423	3 L	18:45-19:00	Rotating With Motor	0.25	10911	3 L
08:45-09:45	Circ & Condition Hole	1.00	10423	3 L	19:00-24:00	Circulating - See Comments - Troubleshoot MWD	5.00	10911	3 L

TIME SUMMARY (hrs):

MOTOR DRILL: 15.42	ORIENTING HRS: 3.83	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 11.58	MOTOR HRS: 21.42
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 6.00	ROTARY DRILL: 0.00	OTHER: 2.58
MOTOR HRS: 21.42	DRILL HRS: 15.42	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 18500 ft-lb	STRING WEIGHT: 135000 lbs
WOB SLIDING (HI): 52000 lbf	WOB ROTATE (HI): 26000 lbf
WOB SLIDING (LO): 42000 lbf	WOB ROTATE (LO): 22000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 200000 lbf
RPM (MOTOR): 122 rpm	DRAG DN: 75000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 3 L

HOLE SIZE: 7.875 in

SECTION TYPE: Lateral 1

SURVEY TYPE: Electromagnetic MWD

MANFCT.: Weatherford

STABILIZER: No

SERIAL#: 325-41170

MODEL: QLE7850

LOBE CFG.:7/8

SETTING: 1.29 °

KICKPAD: No

SIZE: 6 3/4" (171mm)

MTR HRS THIS DAY: 21.41666667 MTR HRS TO DATE: 47.33333333

MANFCT: Drilformance

BIT TYPE: PDC Bit

TYPE: DF513T3

NOZZLES: 1.62 in² TFA

IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / DTF

PUMP PARAMETERS

PRESSURE ON BTM: 3050

PRESSURE OFF BTM: 2750

TOTAL FLOW RATE: 429.25 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 95.00

LINER: 7.00 in

STROKE VOL.: 4.7563 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 31 sec/qt

WTR LOSS: 0 cc/30min

PV: 6 cP

YP: 6 lb/100 ft²

pH: 10

DENSITY: 9.8 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 10.7

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min



Daily Activity Report

Drilling Services
v4.2.2674

Day 13 - 2016/04/06

— **COMMENTS:** _____

Drill ahead in the lateral section.

At 19:00 after getting a survey we rotated 14' and went to slide but couldn't get tool faces because we we lost signal with the MWD tool. We circulated while we performed troubleshooting procedures. After running an extra antenna line we were able to communicate with the tool.

CUSTOMER SIGNATURE: _____



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 14 - 2016/04/07

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

START DEPTH: 10911.0 ft

PROGRESS: 98.0 ft

DAILY COST: USD\$0.00

KB ELEV: 4285 ft

END DEPTH: 11009.0 ft

AVG. ROP.: 22.6 ft/hr

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-01:20	Orienting With Motor - 26' @ 170R	1.33	10937	3 L	13:30-14:45	Lay Down Directional Tools - BHA #3	1.25	11009	3 L
01:20-02:40	Rotating With Motor	1.33	10992	3 L	14:45-16:00	PU Directional Tools - BHA #4	1.25	11009	4L
02:40-02:50	EM MWD Surveys - 10937, 90.5, 178.58	0.17	10992	3 L	16:00-16:30	Shallow Test Tools	0.50	11009	4L
02:50-03:15	Rotating With Motor	0.42	11002	3 L	16:30-16:45	Handle Directional Tools - M/U Bit	0.25	11009	4L
03:15-04:30	Orienting With Motor - 7' @ 160R	1.25	11009	3 L	16:45-17:30	Other - See Comments - P/U Tomax	0.75	11009	4L
04:30-07:00	Circ & Condition Hole	2.50	11009	3 L	17:30-24:00	RIH	6.50	11009	4L
07:00-13:30	POOH For EM MWD	6.50	11009	3 L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL:	4.33	ORIENTING HRS:	2.58	ROTARY DRILL:	0.00
TIME DRILL:	0.00	ROTATING HRS:	1.75	MOTOR HRS:	6.83
MOTOR REAM:	0.00			TRIP:	13.00
CIRC:	2.50	ROTARY DRILL:	0.00	OTHER:	4.17
MOTOR HRS:	6.83	DRILL HRS:	4.33	TOTAL HRS:	24.00

DRILLING PARAMETERS:

ROTARY TORQUE:		STRING WEIGHT	0 lbs
WOB SLIDING (HI):	0 lbf	WOB ROTATE (HI):	0 lbf
WOB SLIDING (LO):	0 lbf	WOB ROTATE (LO):	0 lbf
RPM (ROTARY):	70 rpm	DRAG UP:	0 lbf
RPM (MOTOR):	126 rpm	DRAG DN:	0 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 3 L

HOLE SIZE: 7.875 in

SECTION TYPE: Lateral 1

SURVEY TYPE: Electromagnetic MWD

MANFCT.: Weatherford

STABILIZER: No

SERIAL#: 325-41170

MODEL: QLE7850

LOBE CFG.:7/8

SETTING: 1.29 °

KICKPAD:No

SIZE: 6 3/4" (171mm)

MTR HRS THIS DAY: 6.833333333333333 MTR HRS TO DATE:54.16666666666667

MANFCT: Drilformance

BIT TYPE:PDC Bit

TYPE: DF513T3

NOZZLES:1.62 in² TFA

IADC BIT GRADE: 1 / 3 / BT / G / X / 1 / WT / DTF

BHA: 4L

HOLE SIZE: 7.875 in

SECTION TYPE: Lateral 1

SURVEY TYPE: Positive Pulse MWD

MANFCT.: Weatherford

STABILIZER: No

SERIAL#: 625-41160

MODEL: QLE7850

LOBE CFG.:7/8

SETTING: 1.29 °

KICKPAD:No

SIZE: 6 3/4" (171mm)

MTR HRS THIS DAY: 0

MTR HRS TO DATE:0

MANFCT: Drilformance

BIT TYPE:PDC Bit

TYPE: DF516T2

NOZZLES:1.74 in² TFA

IADC BIT GRADE: 1 / 3 / CT / G / X / 1 / WT / TD

PUMP PARAMETERS

PRESSURE ON BTM: 0

PRESSURE OFF BTM:0

TOTAL FLOW RATE: 451.84 gal/min

PUMP 1: TYPE: PZ-11

EFF.: 95.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

PUMP 2: TYPE: PZ-10

EFF.: 95.0%

SPM: 100.00

LINER: 7.00 in

STROKE VOL.: 4.7563 gal/stk

PUMP 3: TYPE:

EFF.: 100.0%

SPM: 0.00

LINER: 0.00 in

STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt

VISC: 32 sec/qt

WTR LOSS: 0 cc/30min

PV: 5 cP

YP: 7 lb/100 ft²

pH: 10

DENSITY: 9.75 lb/gal

GEL 0/10: 2.00 lb/100 ft²

SAND: 0

SOLIDS: 10.4

OIL: 0

TEMP: 0 °F

LIQUID BASE: Water

LIQUID RATE: 0 gal/min

GAS TYPE:

GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the lateral section.

At 03:15 I made an attempt to slide. we started getting an increase in bad toolfaces and they were coming up slowly (2 minutes and more). I wasn't confident in which direction I was sliding. We called the office and talked to the Company Man and the decision was made to pull the tool since we weren't decoding unless we were static off bottom.



Daily Activity Report

Drilling Services
v4.2.2674

Day 14 - 2016/04/07

Pull out for EM tool. Once out the hole going to lay down EM BHA and picking up Positive Pulse MWD BHA.
After laying down BHA #3(EM). Picked up BHA #4(PP) and adjusted motor from 1.64° to 1.29° bend. Install MWD tool and scribe.
Successful shallow tested tool with out the bit @ 351 GPM, 360PSI.
Makeup Bit and pick up Tomax torque tool. Have issues with connections(wrong x-o). We had call Tomax, they informed us that the tool had X-O's on it. We had to remove them to use the X-O's we had.

CUSTOMER SIGNATURE: _____

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 15 - 2016/04/08

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

START DEPTH: 11009.0 ft

PROGRESS: 725.0 ft

DAILY COST: USD\$0.00

KB ELEV: 4285 ft

END DEPTH: 11734.0 ft

AVG. ROP.: 40.5 ft/hr

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-01:00	RIH With Directional - T/10,736'	1.00	11009	4L	13:30-13:45	Circ & Accumulate Surveys - @ 11328'	0.25	11388	4L
01:00-01:50	Circulating - See Comments - W&R F/10736-	0.83	11009	4L	13:45-15:15	Rotating With Motor - 21K WOB, 70 RPM	1.50	11483	4L
01:50-02:30	Rotating With Motor	0.67	11018	4L	15:15-15:45	Rig Service	0.50	11483	4L
02:30-03:50	Orienting With Motor - 30' @ 160R	1.33	11048	4L	15:45-16:00	Circ & Accumulate Surveys - @ 11423'	0.25	11483	4L
03:50-05:05	Rotating With Motor	1.25	11105	4L	16:00-16:15	Rotating With Motor - 12K WOB, 70 RPM	0.25	11493	4L
05:05-05:45	Circulating - See Comments - Work stuck pipe	0.67	11105	4L	16:15-17:15	Orienting With Motor - 30' @ 180	1.00	11523	4L
05:45-07:15	Circulating - See Comments - Work tight hole	1.50	11105	4L	17:15-18:20	Rotating With Motor	1.08	11578	4L
07:15-07:30	Circ & Accumulate Surveys - @ 11045'	0.25	11105	4L	18:20-18:30	Circ & Accumulate Surveys - 11518, 89.51, 180.43	0.17	11578	4L
07:30-09:15	Rotating With Motor - 24K WOB, 70 RPM	1.75	11199	4L	18:30-18:45	Rotating With Motor	0.25	11588	4L
09:15-09:30	Circ & Accumulate Surveys - @ 11139'	0.25	11199	4L	18:45-20:05	Orienting With Motor - 20' @ 180	1.33	11608	4L
09:30-11:00	Rotating With Motor - 22K WOB, 70 RPM	1.50	11294	4L	20:05-21:55	Rotating With Motor	1.83	11673	4L
11:00-11:15	Circ & Accumulate Surveys - @ 11234'	0.25	11294	4L	21:55-22:05	Circ & Accumulate Surveys - 11613, 89.37, 181.12	0.17	11673	4L
11:15-11:30	Rotating With Motor - 20K WOB, 70 RPM	0.25	11304	4L	22:05-22:25	Rotating With Motor	0.33	11683	4L
11:30-12:15	Orienting With Motor - 20' @ 160 R	0.75	11324	4L	22:25-23:15	Orienting With Motor - 25' @ 160L	0.83	11708	4L
12:15-13:30	Rotating With Motor - 22K WOB, 70 RPM	1.25	11388	4L	23:15-24:00	Rotating With Motor	0.75	11734	4L

TIME SUMMARY (hrs):

MOTOR DRILL: 17.92	ORIENTING HRS: 5.25	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 12.67	MOTOR HRS: 22.50
MOTOR REAM: 0.00		TRIP: 1.00
CIRC: 4.58	ROTARY DRILL: 0.00	OTHER: 0.50
MOTOR HRS: 22.50	DRILL HRS: 17.92	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 16800 ft-lb	STRING WEIGHT: 138000 lbs
WOB SLIDING (HI): 30000 lbf	WOB ROTATE (HI): 20000 lbf
WOB SLIDING (LO): 20000 lbf	WOB ROTATE (LO): 15000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 210000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 55000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 4L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Positive Pulse MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-41160	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF516T2	MTR HRS THIS DAY: 22.5
IADC BIT GRADE: 1 / 3 / CT / G / X / 1 / WT / TD			MTR HRS TO DATE: 22.5
			NOZZLES: 1.74 in ² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 3100	PRESSURE OFF BTM: 2970	TOTAL FLOW RATE: 429.25 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 0.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 95.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
		LINER: 0.00 in
		LINER: 7.00 in
		LINER: 0.00 in
		STROKE VOL.: 0.0000 gal/stk
		STROKE VOL.: 4.7563 gal/stk
		STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 33 sec/qt	WTR LOSS: 0 cc/30min	PV: 6 cP	YP: 6 lb/100 ft ²	pH: 10
DENSITY: 9.8 lb/gal	GEL 0/10: 2.00 lb/100 ft ²	SAND: 0	SOLIDS: 10.7	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

TIH to 10,736'. Wash and Ream to Bottom (11,009').



Daily Activity Report

Day 15 - 2016/04/08

Drilling Services
v4.2.2674

Drill ahead in the lateral section.

At 5:05 we finished drilling the stand down to 11,105'. The driller was backreaming and pulled up in to something at the top of the stand (11,036'), pressured up and blew a pop off. He came down and turned off the pump. By the time he could get the pump back on line we were stuck. We worked the pipe and was able to free it. While working the tight hole we got stuck again, After working the pipe we were able to free it up again and at 05:45 we began slowly working the tight hole.

Drill ahead in the lateral section.

CUSTOMER SIGNATURE: _____



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 16 - 2016/04/09

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 11734.0 ft

END DEPTH: 12534.0 ft

PROGRESS: 800.0 ft

AVG. ROP.: 41.4 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-00:50	Rotating With Motor	0.83	11767	4L	12:30-13:45	Rotating With Motor	1.25	12241	4L
00:50-01:05	Circ & Accumulate Surveys - 11707, 88.74, 180.92	0.25	11767	4L	13:45-14:00	Circ & Accumulate Surveys - @ 12181'	0.25	12241	4L
01:05-01:25	Rotating With Motor	0.33	11777	4L	14:00-15:45	Rotating With Motor	1.75	12335	4L
01:25-02:45	Orienting With Motor	1.33	11807	4L	15:45-16:30	Rig Service	0.75	12335	4L
02:45-04:10	Rotating With Motor	1.42	11861	4L	16:30-16:45	Rotating With Motor	0.25	12346	4L
04:10-04:20	Circ & Accumulate Surveys - 11801, 87.76, 180.77	0.17	11861	4L	16:45-17:30	Orienting With Motor - 30' @ 160 L	0.75	12376	4L
04:20-06:30	Rotating With Motor	2.17	11956	4L	17:30-18:40	Rotating With Motor	1.17	12430	4L
06:30-06:45	Circ & Accumulate Surveys - @ 11896'	0.25	11956	4L	18:40-18:50	Circ & Accumulate Surveys - 12370, 89.93, 181.69	0.17	12430	4L
06:45-08:15	Rotating With Motor	1.50	12051	4L	18:50-19:10	Rotating With Motor	0.33	12440	4L
08:15-09:45	Circ & Condition Hole	1.50	12051	4L	19:10-20:35	Orienting With Motor - 30' @ 120L	1.42	12470	4L
09:45-10:00	Circ & Accumulate Surveys - @ 11991	0.25	12051	4L	20:35-22:10	Rotating With Motor	1.58	12525	4L
10:00-10:15	Rotating With Motor	0.25	12061	4L	22:10-22:55	Rig Repair - work on pumps	0.75	12525	4L
10:15-11:00	Orienting With Motor - 25' @ 180	0.75	12086	4L	22:55-23:00	Circ & Accumulate Surveys - 12465, 89.23, 181.45	0.08	12525	4L
11:00-12:15	Rotating With Motor	1.25	12146	4L	23:00-23:40	Rotating With Motor	0.67	12533	4L
12:15-12:30	Circ & Accumulate Surveys - @ 12086'	0.25	12146	4L	23:40-24:00	Orienting With Motor - 40' @ 110 L	0.33	12534	4L

TIME SUMMARY (hrs):

MOTOR DRILL: 19.33	ORIENTING HRS: 4.58	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 14.75	MOTOR HRS: 22.50
MOTOR REAM: 0.00		TRIP: 0.00
CIRC: 3.17	ROTARY DRILL: 0.00	OTHER: 1.50
MOTOR HRS: 22.50	DRILL HRS: 19.33	TOTAL HRS: 24.00

DRILLING PARAMETERS:

ROTARY TORQUE: 17300 ft-lb	STRING WEIGHT: 138000 lbs
WOB SLIDING (HI): 35000 lbf	WOB ROTATE (HI): 20000 lbf
WOB SLIDING (LO): 25000 lbf	WOB ROTATE (LO): 18000 lbf
RPM (ROTARY): 70 rpm	DRAG UP: 225000 lbf
RPM (MOTOR): 126 rpm	DRAG DN: 55000 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 4L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Positive Pulse MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-41160	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF516T2	MTR HRS THIS DAY: 22.5
IADC BIT GRADE: 1 / 3 / CT / G / X / 1 / WT / TD			MTR HRS TO DATE: 45
			NOZZLES: 1.74 in² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 3400	PRESSURE OFF BTM: 3150	TOTAL FLOW RATE: 502.00 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 101.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 0.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
	LINER: 7.00 in	STROKE VOL.: 5.2319 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 33 sec/qt	WTR LOSS: 0 cc/30min	PV: 6 cP	YP: 6 lb/100 ft²	pH: 10
DENSITY: 9.6 lb/gal	GEL 0/10: 2.00 lb/100 ft²	SAND: 0	SOLIDS: 9.3	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the lateral section.



Daily Activity Report

Drilling Services
v4.2.2674

Day 16 - 2016/04/09

CUSTOMER SIGNATURE: _____



Weatherford®

Daily Activity Report

Drilling Services
v4.2.2674

Day 17 - 2016/04/10

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Constantino Oropeza, Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 12534.0 ft

END DEPTH: 13220.0 ft

PROGRESS: 686.0 ft

AVG. ROP.: 50.5 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-01:05	Orienting With Motor - 40' @ 110L	1.08	12573	4L	09:30-10:30	Orienting With Motor - 30' @ 150 R	1.00	12945	4L
01:05-02:20	Rotating With Motor	1.25	12620	4L	10:30-11:15	Rotating With Motor	0.75	12999	4L
02:20-02:30	Circ & Accumulate Surveys - 12560, 88.32, 180.86	0.17	12620	4L	11:15-11:30	Circ & Accumulate Surveys - @ 12939'	0.25	12999	4L
02:30-03:00	Rotating With Motor	0.50	12630	4L	11:30-13:00	Rotating With Motor	1.50	13094	4L
03:00-04:35	Orienting With Motor - 40' @ 80L	1.58	12670	4L	13:00-13:15	Circ & Accumulate Surveys - @ 13034'	0.25	13094	4L
04:35-05:45	Rotating With Motor	1.17	12715	4L	13:15-14:45	Rotating With Motor	1.50	13189	4L
05:45-06:00	Circ & Accumulate Surveys - @ 12655'	0.25	12715	4L	14:45-15:00	Circ & Accumulate Surveys - @ 13129	0.25	13189	4L
06:00-07:15	Rotating With Motor	1.25	12810	4L	15:00-15:15	Rotating With Motor	0.25	13220	4L
07:15-07:30	Circ & Accumulate Surveys - @ 12750	0.25	12810	4L	15:15-15:30	Circ & Accumulate Surveys - @ 13160'	0.25	13220	4L
07:30-09:00	Rotating With Motor	1.50	12905	4L	15:30-18:30	Circ & Condition Hole	3.00	13220	4L
09:00-09:15	Circ & Accumulate Surveys - @ 12845'	0.25	12905	4L	18:30-24:00	POOH - See Comments	5.50	13220	4L
09:15-09:30	Rotating With Motor	0.25	12915	4L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 13.58	ORIENTING HRS: 3.67	ROTARY DRILL: 0.00	ROTARY TORQUE: 17500 ft-lb	STRING WEIGHT: 138000 lbs
TIME DRILL: 0.00	ROTATING HRS: 9.92	MOTOR HRS: 18.50	WOB SLIDING (HI): 35000 lbf	WOB ROTATE (HI): 25000 lbf
MOTOR REAM: 0.00		TRIP: 5.50	WOB SLIDING (LO): 25000 lbf	WOB ROTATE (LO): 18000 lbf
CIRC: 4.92	ROTARY DRILL: 0.00	OTHER: 0.00	RPM (ROTARY): 70 rpm	DRAG UP: 250000 lbf
MOTOR HRS: 18.50	DRILL HRS: 13.58	TOTAL HRS: 24.00	RPM (MOTOR): 120 rpm	DRAG DN: 55000 lbf

DRILLING PARAMETERS:

BHA / MOTOR / BIT INFORMATION:

BHA: 4L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Positive Pulse MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-41160	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF516T2	MTR HRS THIS DAY: 18.5
IADC BIT GRADE: 1 / 3 / CT / G / X / 1 / WT / TD			MTR HRS TO DATE: 63.5
			NOZZLES: 1.74 in² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 3500	PRESSURE OFF BTM: 3200	TOTAL FLOW RATE: 502.00 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0%	SPM: 101.00
PUMP 2: TYPE: PZ-10	EFF.: 95.0%	SPM: 0.00
PUMP 3: TYPE:	EFF.: 100.0%	SPM: 0.00
	LINER: 7.00 in	STROKE VOL.: 5.2319 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk
	LINER: 0.00 in	STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE: Brine or Salt	VISC: 31 sec/qt	WTR LOSS: 0 cc/30min	PV: 5 cP	YP: 5 lb/100 ft²	pH: 8.5
DENSITY: 9.7 lb/gal	GEL 0/10: 2.00 lb/100 ft²	SAND: 0	SOLIDS: 10	OIL: 0	TEMP: 0 °F
LIQUID BASE: Water		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

Drill ahead in the lateral section. TD @ 13220' md.
Circulate and condition hole. Make wiper trip to KOP.

CUSTOMER SIGNATURE: _____

**Weatherford®**

Daily Activity Report

Drilling Services
v4.2.2674

Day 18 - 2016/04/11

FILE #: 11737978

JOB TYPE: Horizontal

RIG & NO: Norton 4

WELL NAME: Anderson Ranch Unit #17

COMPANY: Grandbanks

SURFACE LOCATION: Lea County

SERVICE CO.: Weatherford Drilling Services

SURVEY TYPE: Positive Pulse MWD

FIELD / LOCATION: San Andres / NM / USA

Company Man: David Hines

DIR Supervisor: Steve Alonzo, Frank Taylor

MWD Supervisor: Ryan Broadfoot

GROUND ELEV: 4273 ft

KB ELEV: 4285 ft

START DEPTH: 13220.0 ft

END DEPTH: 13220.0 ft

PROGRESS: 0.0 ft

AVG. ROP.: 0.0 ft/hr

DAILY COST: USD\$0.00

PREVIOUS COST: USD\$0.00

TOTAL COST: USD\$0.00

WORK STATUS: Operating

(All units are imperial.)

TIME	DAILY ACTIVITY	HRS	DPTH	BHA	TIME	DAILY ACTIVITY	HRS	DPTH	BHA
00:00-04:30	POOH - See Comments - TD'd	4.50	13220	4L	06:30-07:30	Released - Wait on truck	1.00	13220	4L
04:30-06:30	Lay Down Directional Tools	2.00	13220	4L			0.00		

TIME SUMMARY (hrs):

MOTOR DRILL: 0.00	ORIENTING HRS: 0.00	ROTARY DRILL: 0.00
TIME DRILL: 0.00	ROTATING HRS: 0.00	MOTOR HRS: 0.00
MOTOR REAM: 0.00		TRIP: 4.50
CIRC: 0.00	ROTARY DRILL: 0.00	OTHER: 3.00
MOTOR HRS: 0.00	DRILL HRS: 0.00	TOTAL HRS: 7.50

DRILLING PARAMETERS:

ROTARY TORQUE:	STRING WEIGHT 0 lbs
WOB SLIDING (HI): 0 lbf	WOB ROTATE (HI): 0 lbf
WOB SLIDING (LO): 0 lbf	WOB ROTATE (LO): 0 lbf
RPM (ROTARY):	DRAG UP: 0 lbf
RPM (MOTOR):	DRAG DN: 0 lbf

BHA / MOTOR / BIT INFORMATION:

BHA: 4L	HOLE SIZE: 7.875 in	SECTION TYPE: Lateral 1	SURVEY TYPE: Positive Pulse MWD
MANFCT.: Weatherford	STABILIZER: No	SERIAL#: 625-41160	MODEL: QLE7850
SETTING: 1.29 °	KICKPAD: No	SIZE: 6 3/4" (171mm)	LOBE CFG.: 7/8
MANFCT: Drilformance	BIT TYPE: PDC Bit	TYPE: DF516T2	MTR HRS THIS DAY: 0
IADC BIT GRADE: 1 / 3 / CT / G / X / 1 / WT / TD			MTR HRS TO DATE: 63.5
			NOZZLES: 1.74 in ² TFA

PUMP PARAMETERS

PRESSURE ON BTM: 0	PRESSURE OFF BTM: 0	TOTAL FLOW RATE: 0.00 gal/min
PUMP 1: TYPE: PZ-11	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in
PUMP 2: TYPE: PZ-10	EFF.: 95.0% SPM: 0.00	LINER: 0.00 in
PUMP 3: TYPE:	EFF.: 100.0% SPM: 0.00	LINER: 0.00 in
		STROKE VOL.: 0.0000 gal/stk
		STROKE VOL.: 0.0000 gal/stk
		STROKE VOL.: 0.0000 gal/stk

MUD RECORD

MUD TYPE:	VISC: 0 sec/qt	WTR LOSS: 0 cc/30min	PV: 0 cP	YP: 0 lb/100 ft ²	pH: 0
DENSITY: 0 lb/gal	GEL 0/10: 0.00 lb/100 ft ²	SAND: 0	SOLIDS: 0	OIL: 0	TEMP: 0 °F
LIQUID BASE:		LIQUID RATE: 0 gal/min	GAS TYPE:		GAS RATE: 0 cu ft/min

COMMENTS:

When we got up in to the casing they tried to pump but the string was plugged. They think the bit got plugged up. It was decided to go ahead and come all the way out of the hole, lay down our tools and pick up a bit sub and tricone bit for a cleanout run.

POOH to lay down directional.

Rig down and demobilize.

CUSTOMER SIGNATURE: _____