



DAILY DRILLING REPORT

RPT DATE: 9/12/2021

RPT NUM.: 1

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC007
CONTRACTOR: UNIT DRILLING
SPUD DATE:
MD/TVD: 120 FT/120 FT
PRESENT OPERATIONS: MAKE UP 12.25" BIT AND DIRECTIONAL BHA
ACTIVITY PLANNED: MAKE UP BHA, DRILL 12.25" SURFACE

JOB: DRILLING
LEASE: UL JEFF EAST 17-27-5 TB
API #: 42475381370000
ELEVATION: 2681
DFS: 0.1
24 HR FTG: 120

RIG SUPERV: CHRIS BLODGETT/ JOSH GILMORE
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 2
HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/12/2021	9/13/2021		WORKING BHA

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021

83 MILE RIG MOVE

138 HOUR (6.75 DAYS) RIG MOVE

SPUD AT 02:30 HRS ON 09/08/2021

SURFACE RIG RELEASE 09/12/2021 @ 11:00

SPUD UL JEFF EAST 17-27-5 TB 3H @

00:00 - 06:00 MAKE UP DIRECTIONAL TOOLS AND BHA, SPUD @ 0130 HRS, DRILL F/ 120' T/ 289', PULL TRIP NIPPLE AND SET ROT HEAD, DRILL F/ 289' T/ 432'

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300 DAILY DRILL COST: \$126,834 CUM DRILL COST: \$126,834 CUM MUD COST: \$836 CUM WELL COST: \$126,834

BOP

LAST BOP TEST: LAST BOP DRILL: NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	8.4	27.0	99.0	8.3	1	1	1	2	1	1	2,800	0.10	0.30	600	0.20	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	HALLIBURTON	PDC	13609332	9x12	0.994	N	0						

BIT NO. INNER: OUTER: DULL: LOC: SEAL: GAUGE: OTHER: RP:

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000				.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000										

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 HALLIBURTON GT65DMO	12.25		1.5	7	X-Over-NC56 BOX X 6 5/8 REG PIN	8	2.88	3.58
2	Motor-9 5/8" NOV PERFORMANCE, 1.83 E	9.63	4.5	30.25	8	Drill Collar-8" DRILL COLLARS	8	2.88	90.69
3	Stabilizer-12" NORTRACK 4 BLADE	8.06	2.94	6.69	9	X-Over-4 1/2 XH BOX X NC56 PIN	8	2.25	2.88
4	Monel Collar-UBHO	8.06	3.19	4.24	10	Drill Collar-6 1/2" DC	6.5	2.63	275.17
5	Monel Collar-NON MAG DC	8	3.75	30.55	11	X-Over-4 1/2 IF BOX X 4 1/2 XH PIN	6.5	2.25	3.29
6	Monel Collar-NON MAG DC	8	3.75	28.39	12	Drill Pipe-5" HWD	6.63	3.06	363

DESCRIPTION: SFC BHA #1

LENGTH: 840.23

ROT. WT.:

BHA WT. AIR:

P.U. WT.:

BHA WT. MUD:

S.O. WT.:

HRS. ON JARS:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	11,013	731	10,282

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPERATOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE



DAILY DRILLING REPORT

RPT DATE: 9/13/2021

RPT NUM.: 2

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC007

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/13/2021

MD/TVD: 3290 FT/3255 FT

PRESENT OPERATIONS: DRILLING SURFACE AT 3,290'

ACTIVITY PLANNED: DRILL SURFACE TO TD, TOO, RUN 10 3/4" CASING AND CEMENT

JOB: DRILLING

LEASE: UL JEFF EAST 17-27-5 TB

API #: 42475381370000

ELEVATION: 2681

DFS: 1.1

24 HR FTG: 3170

RIG SUPERV: CHRIS BLODGETT/ JOSH GILMORE

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 1

HRS DRLG: 17

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/13/2021	9/14/2021		HOUSEKEEPING

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021

83 MILE RIG MOVE

138 HOUR (6.75 DAYS) RIG MOVE

SURFACE RIG RELEASE 09/12/2021 @ 11:00

SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021

14.5 HR WALK (.6 DAYS)

0000 - 0600 DRILL SURFACE F/ 3290' - 3917' (627' @ 104.5 FPH)

RPM- 50-65 WOB- 48-55 TQ- 11-17K

GPM- 900 DIFF- 500-700 PSI- 3550

100% RETURNS

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300 DAILY DRILL COST: \$42,899 CUM DRILL COST: \$167,643 CUM MUD COST: \$4,718 CUM WELL COST: \$167,643

BOP

LAST BOP TEST: LAST BOP DRILL: NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)				PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.6	27.0	99.0	10.6	1	1	1	2	1	2	120,000			0.30	0.50	1,600		1.00	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	HALLIBURTON	PDC	13609332	9x12	0.994	N	410	3,290	2,880	17.0	50	163	169.4

BIT NO. INNER: OUTER: DULL: LOC: SEAL: GAUGE: OTHER: RP:

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000		3550	450	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000		3550	450	.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 HALLIBURTON GT65DMO	12.25		1.5	7	X-Over-NC56 BOX X 6 5/8 REG PIN	8	2.88	3.58
2	Motor-9 5/8" NOV PERFORMANCE, 1.83 E	9.63	4.5	30.25	8	Drill Collar-8" DRILL COLLARS	8	2.88	90.69
3	Stabilizer-12" NORTON 4 BLADE	8.06	2.94	6.69	9	X-Over-4 1/2 XH BOX X NC56 PIN	8	2.25	2.88
4	Monel Collar-UBHO	8.06	3.19	4.24	10	Drill Collar-6 1/2" DC	6.5	2.63	275.17
5	Monel Collar-NON MAG DC	8	3.75	30.55	11	X-Over-4 1/2 IF BOX X 4 1/2 XH PIN	6.5	2.25	3.29
6	Monel Collar-NON MAG DC	8	3.75	28.39	12	Drill Pipe-5" HWDP	6.63	3.06	363

DESCRIPTION: SFC BHA #1

LENGTH: 3,290.00

ROT. WT.:

BHA WT. AIR:

P.U. WT.:

BHA WT. MUD:

S.O. WT.:

HRS. ON JARS:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
2,535	8.57	329.99	2,510		303.3	-130.6	75.2	0.9
2,627	9.85	335.18	2,600		316.4	-137.3	79.5	1.7
2,719	10.24	336.76	2,691		331.1	-143.8	83.3	0.5
2,812	9.71	335.53	2,783		345.8	-150.3	87.2	0.6
2,904	9.32	334.56	2,873		359.6	-156.7	91.1	0.5
2,997	8.92	331.92	2,965		372.8	-163.4	95.3	0.6
3,089	8.40	332.27	3,056		385.0	-169.9	99.5	0.6
3,182	7.96	332.01	3,148		396.7	-176.0	103.5	0.5

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,613	7,669

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPPERATOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	01:30	1.5				FINISH MAKING UP BHA, TIH W/ STAND OF DRILL COLLARS, MAKE UP DRILLABLE SUB, TAGGED UP AT 120' BHA #1 (HALLIBURTON GT65DMO 12.25") 9 5/8" MOTOR 6/7, 5.0 STG, 0.12 REV/GAL MAX TRQ 18449, MAX DIFF 875, FLOW RANGE 600-1200 1.83° FB MOTOR, 12" BLADE STAB , 8"UBHO, 2-8" NMDC, XO, 3 - 8" DC, XO, 9 - 6.5" DC, XO, 12 - 5" HWDP. BIT TO SURVEY =67' BIT TO GAMMA = 50'
			SURFACE DRILLING	PU BHA		
01:30	03:00	1.5				DRILL SURFACE F/ 120' - 289' (169' @ 112.6 FPH) RPM- 20 WOB- 12 TQ- 5 GPM- 600 DIFF- 150 PSI- 700 100% RETURNS SLIDES 229' - 249' MTF- 25L
			SURFACE DRILLING	DRILLING		
03:00	04:30	1.5				STACK OVER FLOWING, PULL TRIP NIPPLE, MAKE UP STAND OF HWDP AND INSTALL ROTATING HEAD.
			SURFACE DRILLING	OTHER		
04:30	05:30	1.0				DRILL SURFACE F/ 289' - 410' (121' @ 121 FPH) RPM- 50 WOB- 10 TQ- 5 GPM- 727 DIFF- 150 PSI- 1050 100% RETURNS SLIDES 229' - 249' GTF- 25L 320' - 340' GTF- 25L 320' - 340' MTF- 25L 412' - 432' MTF- 25L
			SURFACE DRILLING	DRILLING		
05:30	06:00	0.5	SURFACE DRILLING	DIR WORK	EQUIPMENT FAILURE (NON	TROUBLE SHOT MWD, TOOL NOT PULSING
06:00	08:00	2.0			EQUIPMENT FAILURE (NON RIG)	TRIP OUT TO CHANGE MWD, SURFACE TEST NEW TOOL. (NO VISUAL INDICATIONS OF MWD TOOL FAILURE)
			SURFACE DRILLING	TRIPS		
08:00	08:30	0.5	SURFACE DRILLING	RIG SERVICE		RIG SERVICE
08:30	09:30	1.0	SURFACE DRILLING	TRIPS	EQUIPMENT FAILURE (NON	TRIP IN HOLE



DAILY DRILLING REPORT

RPT DATE: 9/14/2021

RPT NUM.: 3

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC007

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/13/2021

MD/TVD: 5025 FT/4987 FT

PRESENT OPERATIONS: TOOH AT 775'

ACTIVITY PLANNED: TOOH, LAY DOWN MOTOR, RIG UP AND RUN CASING AND CEMENT

JOB: DRILLING

LEASE: UL JEFF EAST 17-27-5 TB

API #: 42475381370000

ELEVATION: 2681

DFS: 2.1

24 HR FTG: 1735

RIG SUPERV: CHRIS BLODGETT/ JOSH GILMORE

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 2

HRS DRLG: 14.5

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/14/2021	9/15/2021		LAST DAY ON HITCH, STAYING FOCUSED

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021

83 MILE RIG MOVE

138 HOUR (6.75 DAYS) RIG MOVE

SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00

14.5 HR WALK (.6 DAYS)

SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021

TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021

TOOH F/ 775' - T/ 125', RACK BACK HWDP AND DRILL COLLARS. BREAK OFF AND LAY DOWN MOTOR, PULL MWD, BREAK OFF BIT. RIG UP CASING CREW AND CRT, MAKE UP SHOE TRACK AND TEST FLOATS. RUN 10 3/4" SFC CASING .

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300 DAILY DRILL COST: \$43,817 CUM DRILL COST: \$230,010 CUM MUD COST: \$9,217 CUM WELL COST: \$230,010

BOP

LAST BOP TEST: LAST BOP DRILL: NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	10.0	28.0	99.0	8.1	1	1	1	2	1	2	162,000		0.05	0.10	1,640	1.80

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	HALLIBURTON	PDC	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. INNER: OUTER: DULL: LOC: SEAL: GAUGE: OTHER: RP:

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000		3550	450	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000		3550	450	.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 HALLIBURTON GT65DMO	12.25		1.5	7	X-Over-NC56 BOX X 6 5/8 REG PIN	8	2.88	3.58
2	Motor-9 5/8" NOV PERFORMANCE, 1.83 F	9.63	4.5	30.25	8	Drill Collar-8" DRILL COLLARS	8	2.88	90.69
3	Stabilizer-12" NORTRACK 4 BLADE	8.06	2.94	6.69	9	X-Over-4 1/2 XH BOX X NC56 PIN	8	2.25	2.88
4	Monel Collar-UBHO	8.06	3.19	4.24	10	Drill Collar-6 1/2" DC	6.5	2.63	275.17
5	Monel Collar-NON MAG DC	8	3.75	30.55	11	X-Over-4 1/2 IF BOX X 4 1/2 XH PIN	6.5	2.25	3.29
6	Monel Collar-NON MAG DC	8	3.75	28.39	12	Drill Pipe-5" HWDP	6.63	3.06	363

DESCRIPTION: SFC BHA #1

LENGTH: 3,290.00

ROT. WT.:

BHA WT. AIR:

P.U. WT.: 190,000

BHA WT. MUD:

S.O. WT.: 180,000

HRS. ON JARS:

TORQUE: 20,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,291	1.54	321.99	4,253		470.7	-207.9	121.9	0.1
4,384	1.36	319.53	4,346		472.5	-209.4	123.0	0.2
4,477	1.23	314.61	4,439		474.1	-210.8	124.2	0.2
4,571	0.97	316.02	4,533		475.3	-212.1	125.2	0.3
4,664	0.79	317.16	4,626		476.4	-213.1	126.0	0.2
4,756	0.79	314.52	4,718		477.3	-214.0	126.7	0.0
4,849	0.66	322.26	4,811		478.2	-214.7	127.3	0.2
4,942	0.75	325.60	4,904		479.1	-215.4	127.8	0.1

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,613	12,063

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPERTOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

[illegible]



DAILY DRILLING REPORT

RPT DATE: 9/15/2021

RPT NUM.: 4

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC007

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/13/2021

MD/TVD: 5025 FT/4987 FT

PRESENT OPERATIONS: WAITING ON ADDITIONAL CEMENT TO ARRIVE ON LOCATION FOR SECOND STAGE SURFACE

ACTIVITY PLANNED: PUMP 2ND STAGE CEMENT, BACK OUT LANDING JOINT, NIPPLE DOWN CONDUCTOR, RELEASE RIG AND WALK TO JEFF EAST 4H

JOB: DRILLING

LEASE: UL JEFF EAST 17-27-5 TB

API #: 42475381370000

ELEVATION: 2681

DFS: 3.1

24 HR FTG:

RIG SUPERV: MICHAEL MCCARTY/ JOSH GILMORE

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 3

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/15/2021	9/16/2021		CEMENTING OPERATIONS

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021

83 MILE RIG MOVE

138 HOUR (6.75 DAYS) RIG MOVE

SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00

14.5 HR WALK (.6 DAYS)

SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021

TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021

00:00 - 02:30 WAIT ON ADDITIONAL 400 SX OF 14.8# NEAT CEMENT TO ARRIVE TO LOCATION

02:30 - 04:00 PUMP 20 BBL FW SPACER, FOLLOWED BY 615 SX OF NEAT CEMENT MIXED AT 14.8#, 1.33 YD @ 5 BPM, 380 PSI. DISPLACED W/ 109 BBL 8.33# FW @ 5 BPM, SLOWED TO 3 BPM LAST 20 BBL. FCP WAS 800 PSI. BUMPED PLUG TO 2,200 PSI. BLEED BACK 1 BBL, FLOATS HELD. CIRCULATED 79 BBL CEMENT TO SURFACE. 100 % RETURNS FOR ENTIRE CEMENT JOB.

04:00 - 0600 NIPPLE DOWN CONDUCTOR AND ANNULAR

RELEASE RIG FROM SURFACE AT 06:00 HRS, 9/16/21

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300 DAILY DRILL COST: \$233,212 CUM DRILL COST: \$462,822 CUM MUD COST: \$10,515 CUM WELL COST: \$462,822

BOP

LAST BOP TEST: LAST BOP DRILL: NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
7:00	10.0	28.0	99.0	8.5	1	1	1	2	1	1	167,000	0.05	0.15	1,760	1.50	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	HALLIBURTON	GT65DMO	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. 1 INNER: 3 OUTER: 4 DULL: BT LOC: A SEAL: GAUGE: 1 OTHER: WT RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000				.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000				.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 HALLIBURTON GT65DMO	12.25		1.5	7	X-Over-NC56 BOX X 6 5/8 REG PIN	8	2.88	3.58
2	Motor-9 5/8" NOV PERFORMANCE, 1.83	9.63	4.5	30.25	8	Drill Collar-8" DRILL COLLARS	8	2.88	90.69
3	Stabilizer-12" NORTRACK 4 BLADE	8.06	2.94	6.69	9	X-Over-4 1/2 XH BOX X NC56 PIN	8	2.25	2.88
4	Monel Collar-UBHO	8.06	3.19	4.24	10	Drill Collar-6 1/2" DC	6.5	2.63	275.17
5	Monel Collar-NON MAG DC	8	3.75	30.55	11	X-Over-4 1/2 IF BOX X 4 1/2 XH PIN	6.5	2.25	3.29
6	Monel Collar-NON MAG DC	8	3.75	28.39	12	Drill Pipe-5" HWDP	6.63	3.06	363

DESCRIPTION: SFC BHA #1

LENGTH: 3,290.00

ROT. WT.:

BHA WT. AIR:

P.U. WT.:

BHA WT. MUD:

S.O. WT.:

HRS. ON JARS:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,291	1.54	321.99	4,253		470.7	-207.9	121.9	0.1
4,384	1.36	319.53	4,346		472.5	-209.4	123.0	0.2
4,477	1.23	314.61	4,439		474.1	-210.8	124.2	0.2
4,571	0.97	316.02	4,533		475.3	-212.1	125.2	0.3
4,664	0.79	317.16	4,626		476.4	-213.1	126.0	0.2
4,756	0.79	314.52	4,718		477.3	-214.0	126.7	0.0
4,849	0.66	322.26	4,811		478.2	-214.7	127.3	0.2
4,942	0.75	325.60	4,904		479.1	-215.4	127.8	0.1

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,050	11,013

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	CHRIS BLODGETT	TRRC	ADREA OPPERTOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	02:00	2.0	SURFACE DRILLING	TRIPS		PULL ROTATING HEAD AND SET TRIP NIPPLE, TOOH RACKING BACK HWDP AND D.C'S F/ 500' - T/ 125' DIRECTIONAL BHA. MONITORING DISP T/F TRIP TANK GOOD DISP.
02:00	04:30	2.5	SURFACE DRILLING	DIR WORK		UNLOCK MWD TOOL & PULL MWD TOOL MAKE UP HWDP ON MONEL'S, L/D UBHO & STAB, RACK BACK IN BACK IN DERRICK, DRAIN MOTOR, BREAK BIT, L/D MOTOR, CLEAR RIG FLOOR OF ALL TOOLS. GRADED BIT:4-3-BT-N-S-I-CT-TD
04:30	06:30	2.0	SURFACE CASING	RIG UP & TEAR DOWN		PRE JOB SAFETY MEETING OVER RIGGING UP CASING TOOLS WITH 4 STAR CSG, R/U CASING CREW & DRY FIT LANDING MANDREL.
06:30	08:00	1.5	SURFACE CASING	RUN CSG & CEMENT		SAFETY MEETING OVER RUNNING CASING AND RUNNING PROCEDURES WITH 4 STAR CASING & ALL UNIT PERSONAL MAKE UP SHOE TRACK, TEST FLOATS (OK). RUN 10 3/4" 45.5# J55 BTC CASING @ 175 FPM F/ 94' - T/ 1,454', TOP FILLING FOR WEIGHT, MONITORING DISP. GOOD DISP.
08:00	09:00	1.0	SURFACE CASING	OTHER		**AVG MAKE UP TORQUE TO DIAMOND: 5200 FT/LBS. VERIFYING CORRECT MAKE UP.
09:00	10:30	1.5	SURFACE CASING	RUN CSG & CEMENT		TROUBLE SHOOT 4 STAR TONGS NOT FUNCTIONING CORRECTLY, LAY DOWN & CHANGE OUT.
10:30	12:00	1.5	SURFACE CASING	REAMING		CONTINUE RUNNING 10 3/4" 45.5# J55 BTC CASING @ 175 FPM F/ 1,454' - T/ 2,730', TOP FILLING FOR WEIGHT, MONITORING DISP. GOOD DISP.
12:00	14:00	2.0	SURFACE CASING	RUN CSG & CEMENT		RECIPROCATING CASING STRING F/ FREE TRAVEL (162K ST WT) - T/ 50K, ESTABLISH RETURNS WITH CRT STAGING UP F/ 4 BPM W/ 125 PSI - T/ 9 BPM W/ 290 PSI, WASHING CASING STRING THROUGH TIGHT SPOT & RECIPROCATING TO MAINTAIN FREE TRAVEL. WITH PRESSURE INCREASE'S, MAINTAINING FULL RETURNS ON CLOSED LOOP SYSTEM MONITORING GAIN LOSS FOR HOLE INSTABILITY ISSUES. CONTINUE WASHING F/ INITIAL DEPTH OF 2,730' TO FREE RUNNING DEPTH OF 2,803' OPEN SYSTEM TO RESERVE PIT AND CONTINUE CIRCULATING RESERVE TO REDUCE SOLIDS IN MUD TANKS.
14:00	17:00	3.0	SURFACE CASING	REAMING		CONTINUE RUNNING 10 3/4" 45.5# J55 BTC CASING CONVENTIONALLY @ 125 FPM F/ 2,803' - T/ 3,878', P/U & M/U DV TOOL, RUN CASING F/ 3,878' - T/ 4,970' TOP FILLING FOR WEIGHT, MONITORING DISP. GOOD DISP. DV TOOL SET @ 1,137'
17:00	18:00	1.0	SURFACE CASING	COND MUD & CIRC		WASH DOWN 10 3/4" CASING F/ 4,970' - T/ 4,992' P/U LANDING JOINT & WASH DOWN LANDING JOINT F/ 4,992' - T/ 5,020' RECIPROCATING CASING STRING FROM NEUTRAL P/U STRING WT OF 275K TO INCREASE OF PRESSURE, CONTINUE WASHING TO BOTTOM STAGING UP PUMPS F/ 4.0 BPM W/ 270 PSI, TO 10 BPM WITH 600 PSI, PRESSURE LIMITER SET TO 1500 PSI, LAND OUT CASING VERIFIED WITH CACTUS WELLHEAD TECH. W/ 175K ST WEIGHT RUN CASING AS FOLLOWS SHOE (OSP) WITH THREAD LOCK @ 5,016' 1 JOINT CASING 10 3/4" 45.5# J-55 BTC FLOAT COLLAR (OSP) THREAD LOCKED @ 4,972' 99 JOINTS 10.75" CASING 10 3/4" DV TOOL (OSP) THREAD LOCKED SET DEPTH 1137' 28 JOINTS, 10 3/4" CASING 10 3/4" LANDING JOINT WITH CACTUS HANGER 38 TOTAL CENTRALIZERS RUN

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DAILY DRILLING REPORT

RPT DATE: 9/29/2021

RPT NUM.: 6

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H

FIELD: PHANTOM (WOLFCAMP)

APE #: 21DC007

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/13/2021

MD/TVD: 5025 FT/0 FT

PRESENT OPERATIONS: RIGGING UP ON 3H

ACTIVITY PLANNED: FINISH RIGGING UP, TEST BREAKS, P/U BHA, DRILL AHEAD INTERMEDIATE HOLE

JOB: DRILLING

LEASE: UL JEFF EAST 17-27-5 TB

API #: 42475381370000

ELEVATION: 2681

DFS: 3.3

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT/ ELWYN EVANS

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 17

HRS DRLLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/29/2021	9/30/2021		NIPPLING UP BOP STACK WITH CACTUS HAND
BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021			
83 MILE RIG MOVE			
138 HOUR (6.75 DAYS) RIG MOVE			
SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00			
14.5 HR WALK (.6 DAYS)			
SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021			
TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021			
RELEASE RIG FROM SURFACE JEFF EAST 17-27-3 TB 3H 06:00 9/15/21			
PICK UP RIG FROM JEFF EAST 17-27-5 WB 2H 19:00 9/29/21			
LAST B.O.P TEST: 9/23/2021 (DUE AGAIN BY 10/11/2021)			
NO ACCIDENTS, INCIDENTS, OR SPILLS			
DOWNTIME 0.0 HRS (0 HRS TOTAL)			
NPT: 0 HRS (0 HRS TOTAL)			

COST DATA

DRILLING AFE AMT: \$3,681,300	DAILY DRILL COST: \$6,352	CUM DRILL COST: \$600,881	CUM MUD COST: \$26,016	CUM WELL COST: \$600,881
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BOP

LAST BOP TEST:	LAST BOP DRILL:	NEXT BOP TEST:
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CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
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DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	HALLIBURTON	GT65DMO	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. 1	INNER: 3	OUTER: 4	DULL: BT	LOC: A	SEAL:	GAUGE: 1	OTHER: WT	RP: TD
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PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000				.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000				.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 HALLIBURTON GT65DMO	12.25		1.5	7	X-Over-NC56 BOX X 6 5/8 REG PIN	8	2.88	3.58
2	Motor-9 5/8" NOV PERFORMANCE, 1.83 E	9.63	4.5	30.25	8	Drill Collar-8" DRILL COLLARS	8	2.88	90.69
3	Stabilizer-12" NORTRACK 4 BLADE	8.06	2.94	6.69	9	X-Over-4 1/2 XH BOX X NC56 PIN	8	2.25	2.88
4	Monel Collar-UBHO	8.06	3.19	4.24	10	Drill Collar-6 1/2" DC	6.5	2.63	275.17
5	Monel Collar-NON MAG DC	8	3.75	30.55	11	X-Over-4 1/2 IF BOX X 4 1/2 XH PIN	6.5	2.25	3.29
6	Monel Collar-NON MAG DC	8	3.75	28.39	12	Drill Pipe-5" HWDP	6.63	3.06	363

DESCRIPTION: SFC BHA #1

LENGTH: 3,290.00

ROT. WT.:

BHA WT. AIR:

P.U. WT.:

BHA WT. MUD:

S.O. WT.:

HRS. ON JARS:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,291	1.54	321.99	4,253		470.7	-207.9	121.9	0.1
4,384	1.36	319.53	4,346		472.5	-209.4	123.0	0.2
4,477	1.23	314.61	4,439		474.1	-210.8	124.2	0.2
4,571	0.97	316.02	4,533		475.3	-212.1	125.2	0.3
4,664	0.79	317.16	4,626		476.4	-213.1	126.0	0.2
4,756	0.79	314.52	4,718		477.3	-214.0	126.7	0.0
4,849	0.66	322.26	4,811		478.2	-214.7	127.3	0.2
4,942	0.75	325.60	4,904		479.1	-215.4	127.8	0.1

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel			11,013

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPPERATOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721



DAILY DRILLING REPORT

RPT DATE: 9/30/2021

RPT NUM.: 7

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC007
CONTRACTOR: UNIT DRILLING
SPUD DATE: 9/13/2021
MD/TVD: 6570 FT/6548 FT
PRESENT OPERATIONS: DRILLING 9 7/8" INTERMEDIATE HOLE
ACTIVITY PLANNED: DRILL 9 7/8" INTERMEDIATE HOLE

JOB: DRILLING
LEASE: UL JEFF EAST 17-27-5 TB
API #: 42475381370000
ELEVATION: 2681
DFS: 4.3
24 HR FTG: 1545

RIG SUPERV: CHRIS BLODGETT/ ELWYN EVANS
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 18
HRS DRLG: 9.5

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/30/2021	10/1/2021		CONNECTIONS, MAKING UP 4.5" STANDS, REMOVING ROTATING HEAD

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021
83 MILE RIG MOVE
138 HOUR (6.75 DAYS) RIG MOVE
SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00
14.5 HR WALK (.6 DAYS)
SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021
TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021
RELEASE RIG FROM SURFACE JEFF EAST 17-27-3 TB 3H 06:00 9/15/21
PICK UP RIG FROM JEFF EAST 17-27-5 WB 2H 19:00 9/29/21

00:00 - 03:00 ROTATE & DRILL 9 7/8" INTERMEDIATE HOLE F/ 6,570' - T/ 7,096' (526' @ 175 FPH) WOB: 42-48K, GPM: 800, PPSI: 2800-3100, DIFF: 300-550, RPM: 40-65, TORQUE: 20,000 - 25,000 FT/LBS, CIRCULATING RESERVE PIT WITH 9.0 PPG IN / OUT MONITORING FLOW AT CONNECTIONS, W/ RESERVE PIT MARKER

03:00 - 06:00 ROTATE & DRILL 9 7/8" INTERMEDIATE HOLE F/ 7,096' - T/ 7,395' (299' @ 99.6 FPH) WOB: 40-45K, GPM: 800, PPSI: 2800-3100, DIFF: 200-450, RPM: 25-30, TORQUE: 15,000 - 19,000 FT/LBS, CIRCULATING RESERVE PIT WITH 9.0+ PPG IN / OUT MONITORING FLOW AT CONNECTIONS, W/ RESERVE PIT MARKER

**** REDUCE DRILLING PARAMETERS FOR BRUSHY CANYON TOP @ 7,100'**

LAST B.O.P TEST: 9/23/2021 (DUE AGAIN BY 10/11/2021)
NO ACCIDENTS, INCIDENTS, OR SPILLS
DOWNTIME 0.0 HRS (0 HRS TOTAL)
NPT: 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300	DAILY DRILL COST: \$59,682	CUM DRILL COST: \$672,248	CUM MUD COST: \$28,158	CUM WELL COST: \$672,248
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BOP

LAST BOP TEST:	9/23/21	LAST BOP DRILL:	NEXT BOP TEST:	10/11/21
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CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.1	27.0	99.0	10.3	1	1	1	2	1	1	66,000	0.30	0.40	1,840	2.60	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	9.88	REED	REED	A279813	6x15	1.035	N	5,025	6,570	1,545	7.8	48	89	198.6
1	12.25	HALLIBURTON	GT65DMO	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. 1	INNER: 3	OUTER: 4	DULL: BT	LOC: A	SEAL:	GAUGE: 1	OTHER: WT	RP: TD
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PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000	83	3000	400	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000	83	3000	400	.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-9 7/8 PDC Bit, Reed TKC66, 6-15s,	9.88		1	7	MWD Tool-8 EVO Gap Sub	8	3.25	3.32
2	Motor-8" PDM ERT Fxd 1.83deg 9/10 3.9	8	3.5	33.05	8	Monel Collar-8in NMDC	8.062	3.75	30.93
3	Monel Collar-8IN NMPC	8.062	3.5	14.8	9	Monel Collar-8in NMDC	8.062	3.75	30.87
4	X-Over-8 EVO X-O Sub	8	3.25	3.07	10	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg	8	2.875	3.2
5	MWD Tool-8 EVO Landing Sub	8	3.25	3.73	11	Drill Collar-3) 8in DC	8	2.875	90.69
6	MWD Tool-8 EVO Centralizer Sub	8	3.25	8.45	12	X-Over-8in XO Sub	8	2.25	2.88

DESCRIPTION: 9.875 INCH BHA #2

LENGTH: 867.45
ROT. WT.: 218,000

BHA WT. AIR:
P.U. WT.: 255,000

BHA WT. MUD:
S.O. WT.: 180,000

HRS. ON JARS:
TORQUE: 24,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
5,995	1.58	150.72	5,957		483.2	-221.8	133.4	0.5
6,088	1.58	149.58	6,050		481.0	-220.6	132.5	0.0
6,181	1.48	150.09	6,143		478.9	-219.3	131.7	0.1
6,273	1.47	142.89	6,235		476.9	-218.0	130.7	0.2
6,366	1.35	146.49	6,328		475.0	-216.7	129.8	0.2
6,458	1.56	144.12	6,420		473.1	-215.3	128.8	0.2
6,551	1.46	148.25	6,513		471.1	-214.0	127.8	0.2
6,643	1.34	145.57	6,605		469.2	-212.7	126.9	0.1

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,454	10,098

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPERTOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

[illegible]



DAILY DRILLING REPORT

RPT DATE: 10/1/2021

RPT NUM.: 8

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H	JOB: DRILLING	RIG SUPERV: CHRIS BLODGETT/ ELWYN EVANS
FIELD: PHANTOM (WOLFCAMP)	LEASE: UL JEFF EAST 17-27-5 TB	RIG PHONE: 432-355-3112
AFE #: 21DC007	API #: 42475381370000	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: UNIT DRILLING	ELEVATION: 2681	RKB: 2702
SPUD DATE: 9/13/2021	DFS: 5.3	DOL: 19
MD/TVD: 8610 FT/8571 FT	24 HR FTG: 2040	HRS DRLG: 24
PRESENT OPERATIONS: DRILLING 9 7/8" INTERMEDIATE HOLE AHEAD		
ACTIVITY PLANNED: DRILL 9 7/8" INTERMEDIATE HOLE AHEAD		

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/30/2021	10/1/2021		CONNECTIONS, MAKING UP 4.5" STANDS
BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021			
83 MILE RIG MOVE			
138 HOUR (6.75 DAYS) RIG MOVE			
SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00			
14.5 HR WALK (.6 DAYS)			
SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021			
TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021			
RELEASE RIG FROM SURFACE JEFF EAST 17-27-3 TB 3H 06:00 9/15/21			
PICK UP RIG FROM JEFF EAST 17-27-5 WB 2H 19:00 9/29/21			
00:00 - 06:00 ROTATE & DRILL 9 7/8" INTERMEDIATE HOLE F/ 8,610' - T/ 8,862' (252' @ 42 FPH) WOB: 45-47K, GPM: 700, PPSI: 2400-2600, DIFF: 140-250, RPM: 25-40, TORQUE: 15,000 - 19,000 FT/LBS, CIRCULATING RESERVE			
PIT WITH 9.1 PPG IN / OUT MONITORING FLOW AT CONNECTIONS, W/ RESERVE PIT MARKER			

LAST B.O.P TEST: 9/23/2021 (DUE AGAIN BY 10/11/2021)

NO ACCIDENTS, INCIDENTS, OR SPILLS

DOWNTIME 0.0 HRS (0 HRS TOTAL)

NPT: 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,681,300	DAILY DRILL COST: \$44,176	CUM DRILL COST: \$716,578	CUM MUD COST: \$35,919	CUM WELL COST: \$716,578
BOP				
LAST BOP TEST:	9/23/21	LAST BOP DRILL:	NEXT BOP TEST:	10/11/21

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.1	27.0	99.0	10.6	1	1	1	2	1	1	65,000		0.40	0.50	1,760	2.60

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	9.88	REED	REED	A279813	6x15	1.035	N	6,570	8,610	2,040	22.0	45	77	92.9
1	12.25	HALLIBURTON	GT65DMO	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. 1	INNER: 3	OUTER: 4	DULL: BT	LOC: A	SEAL:	GAUGE: 1	OTHER: WT	RP: TD
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PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000	72	2400	350	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000	72	2400	350	.00165	95					

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-9 7/8 PDC Bit, Reed TKC66, 6-15s	9.88		1	7	MWD Tool-8 EVO Gap Sub	8	3.25	3.32
2	Motor-8" PDM ERT Fxd 1.83deg 9/10 3.9	8	3.5	33.05	8	Monel Collar-8in NMDC	8.062	3.75	30.93
3	Monel Collar-8in NMPC	8.062	3.5	14.8	9	Monel Collar-8in NMDC	8.062	3.75	30.87
4	X-Over-8in EVO X-O Sub	8	3.25	3.07	10	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg	8	2.875	3.2
5	MWD Tool-8 EVO Landing Sub	8	3.25	3.73	11	Drill Collar-3) 8in DC	8	2.875	90.69
6	MWD Tool-8 EVO Centralizer Sub	8	3.25	8.45	12	X-Over-8in XO Sub	8	2.25	2.88

DESCRIPTION: 9.875 INCH BHA #2

LENGTH: 867.45

ROT. WT.: 259,000

BHA WT. AIR:

P.U. WT.: 276,000

BHA WT. MUD:

S.O. WT.: 222,000

HRS. ON JARS:

TORQUE: 17,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
7,846	0.33	156.84	7,808		461.8	-207.9	123.5	0.6
7,939	0.61	163.45	7,901		461.1	-207.7	123.3	0.3
8,031	0.48	135.50	7,993		460.3	-207.3	123.1	0.3
8,124	0.36	120.89	8,086		459.9	-206.7	122.6	0.2
8,217	0.39	144.82	8,179		459.5	-206.3	122.3	0.2
8,310	0.23	127.64	8,272		459.1	-206.0	122.0	0.2
8,402	0.45	13.94	8,364		459.4	-205.7	121.7	0.6
8,495	1.27	4.70	8,457		460.7	-205.6	121.3	0.9

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		3,175	6,923

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPERTOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

[illegible]



DAILY DRILLING REPORT

RPT DATE: 10/2/2021

RPT NUM.: 9

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC007
CONTRACTOR: UNIT DRILLING
SPUD DATE: 9/13/2021
MD/TVD: 8978 FT/8939 FT
PRESENT OPERATIONS: DRILLING 9 7/8" INTERMEDIATE AHEAD
ACTIVITY PLANNED: DRILL 9 7/8" INTERMEDIATE AHEAD TO KOP

JOB: DRILLING
LEASE: UL JEFF EAST 17-27-5 TB
API #: 42475381370000
ELEVATION: 2681
DFS: 6.3
24 HR FTG: 368

RIG SUPERV: CHRIS BLODGETT/ ELWYN EVANS
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 20
HRS DRLG: 9.5

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/30/2021	10/1/2021		TRIPPING, HANDLING BHA, LAYING OUT COLLARS

BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021
83 MILE RIG MOVE
138 HOUR (6.75 DAYS) RIG MOVE
SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00
14.5 HR WALK (.6 DAYS)
SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021
TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021
RELEASE RIG FROM SURFACE JEFF EAST 17-27-3 TB 3H 06:00 9/15/21
PICK UP RIG FROM JEFF EAST 17-27-5 WB 2H 19:00 9/29/21

00:00 – 03:30 TRIP INTO BOTTOM, WASH LAST STAND DOWN

03:30 – 06:00 ROTATE & DRILL 9 7/8" INTERMEDIATE HOLE F/ 8,978' - T/ 9,163' (185' @ 74 FPH) WOB: 45K, GPM: 700, PPSI: 2200-2400, DIFF: 200-600, RPM: 25-40, TORQUE: 17,000 - 24,000 FT/LBS, CIRCULATING RESERVE PIT WITH 9.1 PPG IN / OUT MONITORING FLOW AT CONNECTIONS, W/ RESERVE PIT MARKER

*BROKE CIRCULATION THROUGH SEPARATOR, LAZY 3-5' FLAME STARTING AT 2630 STROKES (4,300'), INTERMITTENT THROUGH TO 8000 STROKES ~ 1.5 BOTTOMS UP. EST FLOW RATE OF GAS 14MCFD, TOTAL FLARED 281SCF

LAST B.O.P TEST: 9/23/2021 (DUE AGAIN BY 10/11/2021)
NO ACCIDENTS, INCIDENTS, OR SPILLS
DOWNTIME 0.0 HRS (0 HRS TOTAL)
NPT: 7 HRS (7 HRS TOTAL)

COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	CUM DRILL COST:	CUM MUD COST:	CUM WELL COST:
\$3,681,300	\$60,913	\$777,491	\$37,954	\$777,491

BOP

LAST BOP TEST:	LAST BOP DRILL:	NEXT BOP TEST:
9/23/21		10/11/21

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.1	27.0	99.0	10.4	1	1	1	2	1	1	68,000		0.50	0.60	1,520	2.60

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	9.88	REED	REED	A279813	6x15	1.035	N	8,610	8,978	368	3.5	45	77	105.1
1	12.25	HALLIBURTON	GT65DMO	13609332	9x12	0.994	N	3,290	5,025	1,735	14.5	50	163	119.7

BIT NO. 2 INNER: 8 OUTER: 7 DULL: LT LOC: N SEAL: N GAUGE: I OTHER: BT RP: BHA

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000	72	2400	350	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000	72	2400	350	.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-9 7/8 PDC Bit, Reed TKC66-A4, 6-	9.875	1		7	MWD Tool-8 EVO Gap Sub	8	3.25	3.42
2	Motor-8" PDM ERT Fxd 1.83deg 9/10 3.9	8	3.5	33.05	8	Monel Collar-8in NMDC	8.062	3.75	30.93
3	Monel Collar-8in NMPC	8.062	3.5	14.8	9	Monel Collar-8in NMDC	8.062	3.75	30.87
4	X-Over-8 EVO X-O Sub	8	3.25	3.14	10	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg	8	2.875	3.2
5	MWD Tool-8 EVO Landing Sub	8	3.25	3.65	11	Drill Collar-3) 8in DC	8	2.875	90.69
6	MWD Tool-8 EVO Centralizer Sub	8	3.25	8.5	12	X-Over-8in XO Sub	8	2.25	2.88

DESCRIPTION: 9.875 INCH BHA #3
LENGTH: 866.59
ROT. WT.: 260,000
BHA WT. AIR: P.U. WT.: 313,000
BHA WT. MUD: S.O. WT.: 218,000
HRS. ON JARS: TORQUE: 19,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
8,217	0.39	144.82	8,179	459.5	-206.3	122.3	0.2	
8,310	0.23	127.64	8,272	459.1	-206.0	122.0	0.2	
8,402	0.45	13.94	8,364	459.4	-205.7	121.7	0.6	
8,495	1.27	4.70	8,457	460.7	-205.6	121.3	0.9	
8,588	1.44	6.43	8,550	462.9	-205.4	120.7	0.2	
8,680	1.22	359.24	8,642	465.1	-205.2	120.3	0.3	
8,772	1.18	343.11	8,734	466.9	-205.5	120.2	0.4	
8,865	0.95	351.95	8,827	468.6	-205.9	120.3	0.3	

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	7,202	1,870	12,255

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPPERATOR #2	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

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DAILY DRILLING REPORT

RPT DATE: 10/3/2021

RPT NUM.: 10

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 TB 3H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC007

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/13/2021

MD/TVD: 10501 FT/10462 FT

PRESENT OPERATIONS: TRIPPING FOR CURVE BHA

ACTIVITY PLANNED: TRIP BACK TO BOTTOM, DRILL 9 7/8" CURVE

JOB: DRILLING

LEASE: UL JEFF EAST 17-27-5 TB

API #: 42475381370000

ELEVATION: 2681

DFS: 7.3

24 HR FTG: 1523

RIG SUPERV: CHRIS BLODGETT/ ELWYN EVANS

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 21

HRS DRLG: 20.5

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/30/2021	10/1/2021		DRILLING AHEAD, CONNECTIONS,
BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021			
83 MILE RIG MOVE			
138 HOUR (6.75 DAYS) RIG MOVE			
SURFACE RIG RELEASE F/ UL JEFF EAST 17-27-5 WA 1H 09/12/2021 @ 11:00			
14.5 HR WALK (6 DAYS)			
SPUD UL JEFF EAST 17-27-5 TB 3H @ 01:30 HRS ON 9/13/2021			
TD UL JEFF EAST 17-27-5 TB 3H @ 14:30 ON 9/14/2021			
RELEASE RIG FROM SURFACE JEFF EAST 17-27-3 TB 3H 06:00 9/15/21			
PICK UP RIG FROM JEFF EAST 17-27-5 WB 2H 19:00 9/29/21			
00:00 – 01:00 CONDITION AND CIRCULATE BOTTOMS UP, WORK PIPE CONSTANTLY, 778 GPM, 2950 PSI, 50 RPM			
01:00 – 01:30 FLOW CHECK 5MIN, WELL FLOWING EST 15BBL/HR NOT SLOWING. SHUT IN WELL GET STABILIZED PRESSURE, SICP 100 PSI, PUMP SLUG BEGIN PULLING PIPE			
01:30 – 04:30 TRIP OUT OF HOLE FOR CURVE ASSEMBLY, PULL 5 STANDS HOLE FULLY OPEN TO ALLOW SLUG TO DROP, SHUT ORBIT VALVE BEGIN STRIPPING OUT OF HOLE PUMPING CALCULATED DISPLACEMENT DOWN THE BACKSIDE, PUMP 150 STROKES 17.25 BBLS OF 12.3PPG KILL MUD, CONTINUE STRIPPING OUT OF THE HOLE WITH 9.1PPG BRINE			
04:30 – 05:00 FLOW CHECK AT SHOE, WELL FLOWING ~ 5BBLS / HR, PUMP 15 BBLS 14.5PPG KILL MUD DOWN BACKSIDE			
05:00 – 06:00 CONTINUE TRIPPING OUT OF HOLE ON TRIP TANK FILLING HOLE WITH CALCULATED DISPLACEMENT			
LAST B.O.P TEST: 9/23/2021 (DUE AGAIN BY 10/11/2021)			
NO ACCIDENTS, INCIDENTS, OR SPILLS			
DOWNTIME 0.0 HRS (0 HRS TOTAL)			
NPT: 0 HRS (7 HRS TOTAL)			

COST DATA

DRILLING AFE AMT: \$3,681,300	DAILY DRILL COST: \$37,811	CUM DRILL COST: \$815,302	CUM MUD COST: \$40,279	CUM WELL COST: \$815,302
BOP				
LAST BOP TEST: 9/23/21	LAST BOP DRILL:			NEXT BOP TEST: 10/11/21

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	10.75	45.5	J55	5,016	4,987

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.1	27.0	99.0	10.4	1	1	1	2	1	1	70,000		0.40	0.50	1,680		2.60	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	9.88	REED	TKC66-A4	A281284	6x15	1.035	N	8,978	10,501	1,523	17.8	45	86	85.6
2	9.88	REED	REED	A279813	6x15	1.035	N	8,610	8,978	368	3.5	45	77	105.1

BIT NO. 2	INNER: 8	OUTER: 7	DULL: LT	LOC: N	SEAL: N	GAUGE: I	OTHER: BT	RP: BHA
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PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	WEATHERFORD	EQ-2200	5.000	12.000	80	3200	388	.00165	95					
2	WEATHERFORD	EQ-2200	5.000	12.000	80	3200	388	.00165	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-9 7/8 PDC Bit, Reed TKC66-A4, 6-	9.875	1		7	MWD Tool-8 EVO Gap Sub	8	3.25	3.42
2	Motor-8" PDM ERT Fxd 1.83deg 9/10 3.9	8	3.5	33.05	8	Monel Collar-8in NMDC	8.062	3.75	30.93
3	Monel Collar-8IN NMPC	8.062	3.5	14.8	9	Monel Collar-8in NMDC	8.062	3.75	30.87
4	X-Over-8 EVO X-O Sub	8	3.25	3.14	10	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg	8	2.875	3.2
5	MWD Tool-8 EVO Landing Sub	8	3.25	3.65	11	Drill Collar-3) 8in DC	8	2.875	90.69
6	MWD Tool-8 EVO Centralizer Sub	8	3.25	8.5	12	X-Over-8in XO Sub	8	2.25	2.88

DESCRIPTION: 9.875 INCH BHA #3

LENGTH: 866.59

ROT. WT.: 295,000

BHA WT. AIR:

P.U. WT.: 316,000

BHA WT. MUD:

S.O. WT.: 265,000

HRS. ON JARS:

TORQUE: 26,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
9,701	1.75	221.78	9,662		462.7	-210.3	125.7	0.2
9,793	1.61	221.76	9,754		460.7	-212.1	127.8	0.2
9,886	1.95	231.32	9,847		458.8	-214.2	130.2	0.5
9,978	2.50	220.48	9,939		456.2	-216.8	133.1	0.8
10,071	2.97	218.57	10,032		452.8	-219.6	136.5	0.5
10,163	3.43	220.25	10,124		448.8	-222.8	140.4	0.5
10,256	3.59	224.68	10,217		444.7	-226.7	144.9	0.3
10,348	3.36	226.36	10,309		440.8	-230.7	149.5	0.3

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,714	9,541

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/12/2021	11:00	SPUD NOTICE	PATRICK OWENS	TRRC	ADREA OPPERATOR #1	SPUD, SURFACE CASING AND CEMENT NOTICE JOB# 270721

