



DAILY DRILLING REPORT

RPT DATE: 9/1/2021

RPT NUM.: 1

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE:

MD/TVD: 22161 FT/11362 FT

PRESENT OPERATIONS: WAITING ON DAYLIGHT TO CONTINUE MOVING IN & RIGGING UP

ACTIVITY PLANNED: CONTINUE SETTING IN & RIGGING UP UNIT 407

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION:

DFS:

24 HR FTG: 22161

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB:

DOL:

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/1/2021	9/2/2021	None	SETTING IN RIG COMPONETS & RIGGING UP WITH BRADY TRUCKING

TAILGATE MEETING WITH BRADY TRUCKING & UNIT DRILLING PERSONAL OVER SETTING IN & RIGGING UP, OVERHEAD LOADS, LOCATION MANAGEMENT.

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

83 MILE RIG MOVE

18 HOUR (.75 DAYS) RIG MOVE

SPUD AT 00:00 HRS ON 09/06/21

00:00-06:00 WAIT ON DAYLIGHT

NO ACCIDENTS OR INCIDENTS

COST DATA

DRILLING AFE AMT:	\$3,638,250	DAILY DRILL COST:	\$63,889	CUM DRILL COST:	\$63,889	CUM WELL COST:	\$63,889
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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

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

DRILL BITS	NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
									0						

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

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP

BHA	#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH

DESCRIPTION:

LENGTH:

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)

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments



DAILY DRILLING REPORT

RPT DATE: 9/2/2021

RPT NUM.: 2

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC005
CONTRACTOR: UNIT DRILLING
SPUD DATE:
MD/TVD: 0 FT/0 FT
PRESENT OPERATIONS:
ACTIVITY PLANNED:

JOB: DRILLING
LEASE: UL JEFF EAST A 17-27-5 WA
API #: 32475381390000
ELEVATION: 2681
DFS:
24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 1
HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/2/2021	9/3/2021	None	SETTING IN RIG COMPONETS & RIGGING UP WITH BRADY TRUCKING

TAILGATE MEETING WITH UN IT DRILLING PERSONAL & BRADY TRUCKING OVER RIGGING UP & SETTING IN, OVERHEAD LOADS & HEAT AWARENESS.

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

83 MILE RIG MOVE

42 HOUR (1.75 DAYS) RIG MOVE

SPUD AT 00:00 HRS ON 09/06/21

00:00-06:00 WAIT ON DAYLIGHT

NO ACCIDENTS OR INCIDENTS

COST DATA

DRILLING AFE AMT: \$3,638,250 DAILY DRILL COST: \$105,029 CUM DRILL COST: \$168,918 CUM MUD COST: CUM WELL COST: \$168,918

BOP

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

CASING	CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor		16.00			125	125

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

DRILL BITS	NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
									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

BHA	#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH


DESCRIPTION: LENGTH: BHA WT. AIR: BHA WT. MUD: HRS. ON JARS:
ROT. WT.: P.U. WT.: S.O. WT.: 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		7,205	200	7,005

NOTIFICATIONS	Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM																
1																													RPT DATE: 9/3/2021																									
2																													RPT NUM.: 3																									
3																													RIG: UNIT 407																									
4	WELL/JOB INFORMATION																																																					
5	WELL NAME: UL JEFF EAST 17-27-5 WA 1H															JOB: DRILLING										RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY																												
6	FIELD: PHANTOM (WOLFCAMP)															LEASE: UL JEFF EAST A 17-27-5 WA										RIG PHONE: 432-355-3112																												
7	AFE #: 21DC005															API #: 32475381390000										EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO																												
8	CONTRACTOR: UNIT DRILLING															ELEVATION: 2681										RKB: 2702																												
9	SPUD DATE:															DFS:										DOL: 2																												
10	MD/TVD: 125 FT/125 FT															24 HR FTG: 125										HRS DRLG:																												
11	PRESENT OPERATIONS: WAITING ON DAYLIGHT TO CONTINUE RIGGING UP & REPAIRING TOP DRIVE.																																																					
12	ACTIVITY PLANNED: RIG UP MISC RIG EQUIPMENT, REPAIR TOP DRIVE, FINISH WELDING IN FLOWLINE.																																																					
13	COMMENTS																																																					
14	Last Safety Meeting Date										Next Safety Meeting Date										Accident Type										Safety Meeting Topic																							
15	9/2/2021										9/3/2021										None										RAISING DERRICK AND SUB, RIGGING UP.																							
BEGIN MOVE FROM RIG YARD 0600HRS 09/01/2021																																																						
83 MILE RIG MOVE																																																						
66 HOUR (2.75 DAYS) RIG MOVE																																																						
SPUD AT XX:XX HRS ON XX/XX/XX																																																						
00:00-06:00 WAIT ON DAYLIGHT																																																						
16	NO ACCIDENTS OR INCIDENTS																																																					
17	COST DATA																																																					
18	DRILLING AFE AMT: \$3,638,250										DAILY DRILL COST: \$44,541										CUM DRILL COST: \$213,460										CUM MUD COST:										CUM WELL COST: \$213,460													
19	BOP																																																					
20	LAST BOP TEST:															LAST BOP DRILL:															NEXT BOP TEST:																							
21	CASING																																																					
22	CASING TYPE															OD					WEIGHT										GRADE					MD					TVD													
23	Conductor															16.00																				125					125													
24																																																						
25																																																						
26																																																						
27																																																						
28	MUD																																																					
29	TIME			MW			FV			WL			PH			CAKE			GELS (10s/10m/30m)						PV			YP			CL			K			Pf			Mf			Ca			OIL			LGS			HTHP		
30																																																						
31	DRILL BITS																																																					
32	NO.			SIZE			MANUFACTURER						TYPE			SER NO.			JETS			TFA			RE-RUN			IN			OUT			FEET			HRS			WOB			RPM			ROP								
33																												0																										
34																																																						
35	BIT NO.					INNER:					OUTER:					DULL:					LOC:					SEAL:					GAUGE:					OTHER:					RP:													
36	PUMPS																																																					
37	PUMP			MAKE			MODEL						LINER			STK			SPM			PSI			GPM			GPS			EFF %			ECD			AV DP			AV DC			BIT HHP			PUMP HHP								
38																																																						
39																																																						
40	BHA																																																					
41	#		COMPONENT										OD			ID			LENGTH					#		COMPONENT										OD			ID			LENGTH												
42																																																						
43																																																						
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45																																																						
46																																																						
47																																																						
48	DESCRIPTION:																																																					
49	LENGTH:															BHA WT. AIR:										BHA WT. MUD:										HRS. ON JARS:																		
50	ROT. WT.:															P.U. WT.:										S.O. WT.:										TORQUE:																		
51	SURVEY DATA																																																					
52	MD			INCLINATION										AZIMUTH										TVD					N/S			COORDINATES					E/W			V. SECTION					DLS									
53																																																						
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60																																																						
61	CONSUMABLES																																																					
62	CONSUMABLE															DAILY RECEIVED (gal)										DAILY USED (gal)										DAILY ON HAND (gal)																		
63	Fuel															7,062																				14,067																		
64																																																						
65	NOTIFICATIONS																																																					
66	Date					Time					Type					Engineer / Supervisor										Agency					Agency Contact										Comments													
67																																																						
68																																																						
69																																																						
70																																																						
71																																																						

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72																															DAILY DRILLING REPORT										RPT DATE:																													
73																																									RPT NUM.:																													
74																																									RIG:																													
75	WELL/JOB INFORMATION																																																																					
76	WELL NAME: UL JEFF EAST 17-27-5 WA 1H																				JOB: DRILLING										RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY																																							
77	FIELD: PHANTOM (WOLFCAMP)																				LEASE: UL JEFF EAST A 17-27-5 WA										RIG PHONE: 432-355-3112																																							
78	AFE #: 21DC005																				API #: 32475381390000										EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO																																							
79	CONTRACTOR: UNIT DRILLING																				ELEVATION: 2681										RKB: 2702																																							
80	SPUD DATE:																				DFS:										DOL: 2																																							
81	MD/TVD: 125 FT/125 FT																				24 HR FTG: 125										HRS DRLG:																																							
82	PRESENT OPERATIONS: WAITING ON DAYLIGHT TO CONTINUE RIGGING UP & REPAIRING TOP DRIVE.																																																																					
83	ACTIVITY PLANNED: RIG UP MISC RIG EQUIPMENT, REPAIR TOP DRIVE, FINISH WELDING IN FLOWLINE.																																																																					
84	COST BREAKDOWN																																																																					
85	Code										Description										Daily Cost										Vendor										Remarks																													
86	2250-35										RIG COST - RIG MOVE RATE.										\$ 15,300										UNIT DRILLING										RIG MOVE DAY RATE.																													
87	2250-65																				\$ 19,070										ROLFSON OIL										7062 GALLONS OF RIG FUEL @ \$2.6383 / GAL																													
88	2250-70										CORVA										\$ 250										CORVA										CORVA																													
89	2250-70										HOUSING										\$ 485										CIVEO										CAMP HOUSING. X5, TRANSFORMER																													
90	2250-70										INTERNET, PHONES, COM'S										\$ 140										INFRASTRUCTURE NETWORKS										INTERNET, PHONES, COM'S																													
91	2250-70										PASON										\$ 55										PASON										PASON COMPUTER																													
92	2250-70										WATER FLEET DAILY RENTAL.										\$ 560										WATERFLEET										WATER FLEET DAILY																													
93	2250-75										DIRECTIONAL TOOLS HOT SHOT DELIVERY										\$ 850										TO A TEE										DELIVERY OF PREMIERE DIRECTIONAL TOOLS																													
94	2250-75										HOT SHOT 45 DEG UNION DELIVERY										\$ 375										TO A TEE										DELIVER 45 DEG UNION & PIPING FOR INLINE SCREEN.																													
95	2250-75										HOT SHOT DELIVERY FOR ADS TOOLS & DIV										\$ 1,155										TO A TEE										DELIVERY OF ADS ORBIT, ROT HD, & 10 3/4" CSG																													
96	2250-80										ENGINEERING										\$ 1,500										CRESCENT CONSULTING										DRILLING ENGINEER																													
97	2250-80										WELLSITE SURVISOR CHRIS BLODGETT										\$ 2,000										OIL CITY DRILLING SERVICES, LLC										WELLSITE SUPERVISION																													
98	2250-80										WELLSITE SURVISOR MICHAEL MCCARTY										\$ 2,000										WORKRISE										WELLSITE SUPERVISION																													
99	2250-95										MANLIFT AND FORKLIFT DAILY RENTAL										\$ 375										SKEWL ENERGY SERVICES										DAILY RENTAL MANLIFT & FORKLIFT																													
100	2350-40										CACTUS LANDING RING INSTALLATION										\$ 427										CACTUS WELLHEAD, LLC										WELDER, MILEAGE, & TECH TO INSTALL LANDING RING.																													
101																																																																						
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114																																																																						
115																																																																						
116																																																																						
117																					Total: \$										44,541																																							
118	TIME BREAKDOWN																																																																					
119	FROM										TO										HRS										PHASE										CODE										NPT										OPERATIONS									
120	00:00										07:00										7.0										RIG MOVE IN										OTHER																				WAIT ON DAY LIGHT									
	07:00										19:00										12.0																																								RIG UP J-BOX ON DERRICK, FINISH PREPPING DERRICK TO RAISE, PREFORM PRE RAISE INSPECTION, HOLD PRE JOB SAFETY MEETING WITH RIG CREW PRIOR TO RAISING DERRICK, RAISE DERRICK & PIN, INSTALL B.O.P HANDLING WINCHES, HOOK UP WATER & AIR LINES TO FLOOR, INSTALL SPREADER BEAMS ON RIG FLOOR, RAISE SUBS & PIN, INSTALL FRONT & BACK STAIRS, HOOK UP ALL COMMUNICATION CABLES/ LEADS TO DERRICK & TOP DRIVE, RUN OUT DRAW WORKS & MUD PUMPS WITH MECHANIC, HOOK UP VIBRATOR HOSES BETWEEN MUD PUMPS, HOOK UP KOOMEY REMOTE, HOOK UP HYDRAULIC HOSES & CABLES TO TM-120, WORKING ON FLOW LINE, START LAYING OUT CHOKE, LINES & BLOCKS. TOTAL OF 1 CRANES AND FORK LIFT WITH BRADY TRUCKING LEFT LOCATION @ 14:30, 13 RIG HANDS, 1 PUSHER, ON NEW LOCATION, 95% SET IN, 60% RIGGED UP.									
121																															RIG MOVE IN										RIG UP & TEAR DOWN																													
122	19:00										00:00										5.0										RIG MOVE IN										RIG UP & TEAR DOWN																				WAIT ON DAY LIGHT TO CONTINUE RIGGING UP.									
123																																																																						
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145																																																																						
146	TOTAL HRS										24.0																																																											
147	www.wellez.com WellEz On Demand ver_09.02.2021.TW																																																																					



DAILY DRILLING REPORT

RPT DATE: 9/4/2021

RPT NUM.: 4

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE:

MD/TVD: 125 FT/125 FT

PRESENT OPERATIONS: RIGGING UP

ACTIVITY PLANNED: FINISH REPAIRING TOP DRIVE, INSTALLING DIVERTER SYSTEM.

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION: 2681

DFS:

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY

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

9/4/2021

9/5/2021

None

WORKING IN THE HEAT AND STAYING HYDRATED

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

83 MILE RIG MOVE

90 HOUR (3.75 DAYS) RIG MOVE

SPUD AT XX:XX HRS ON XX/XX/XX

0000 - 0600: TROUBLE SHOOT & ATTEMPT TO REPAIR COMMUNICATION FAILURE ON TOP DRIVE. RIG UP

COST DATA

DRILLING AFE AMT: \$3,638,250

DAILY DRILL COST: \$26,976

CUM DRILL COST: \$240,435

CUM MUD COST:

CUM WELL COST:

\$240,435

BOP

LAST BOP TEST:

LAST BOP DRILL:

NEXT BOP TEST:

CASING

CASING TYPE

OD

WEIGHT

GRADE

MD

TVD

Conductor

16.00

125

125

MUD

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

DRILL BITS

NO. SIZE MANUFACTURER TYPE SER NO. JETS TFA RE-RUN IN OUT FEET HRS WOB RPM ROP

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

BHA

COMPONENT OD ID LENGTH # COMPONENT OD ID LENGTH

DESCRIPTION:

LENGTH:

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

14,067

NOTIFICATIONS

Date Time Type Engineer / Supervisor Agency Agency Contact Comments



DAILY DRILLING REPORT

RPT DATE: 9/5/2021

RPT NUM.: 5

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE:

MD/TVD: 0 FT/0 FT

PRESENT OPERATIONS: RIGGING UP MISC. RIG EQUIPMENT.

ACTIVITY PLANNED: FINISH RIGGING UP & MAKING REPAIRS TO RIG AND ALL MODIFICATION.

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION: 2681

DFS:

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 4

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/4/2021	9/5/2021	None	WORKING IN THE HEAT AND STAYING HYDRATED

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

83 MILE RIG MOVE

114 HOUR (4.75 DAYS) RIG MOVE

SPUD AT XX:XX HRS ON XX/XX/XX

0000 - 0600: RIGGING UP TOP DRIVE GOOSENECK, RIGGING UP DIVERTER LINE TO RESERVE PIT & INSTALL HYDRAULIC FITTINGS TO ANNULAR & DIVERTER, DRESS OUT TM-120 WITH DIE BLOCKS & REPLACEMENT HEADS. CONTINUE MODIFYING FLOWLINE EXTENSION MANIFOLD.

COST DATA

DRILLING AFE AMT: \$3,638,250 DAILY DRILL COST: \$43,982 CUM DRILL COST: \$284,417 CUM MUD COST: CUM WELL COST: \$284,417

BOP

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

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	16.00			125	125

MUD

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

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
								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	2200	5.000	12.000			0	0	95	0			0	0
2	WEATHERFORD	2200					0	0	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH

DESCRIPTION:

LENGTH:

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			14,067

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments



DAILY DRILLING REPORT

RPT DATE: 9/6/2021

RPT NUM.: 6

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE:

MD/TVD: 0 FT/0 FT

PRESENT OPERATIONS: RIGGING UP CAN RIG CAT WALK, CHANGING OUT 5" VALVE ON MUD PUMPS, WAITING ON GOOSENECK WASH PIPE CAP.

ACTIVITY PLANNED: MOVE, CALIPER & STRAP BHA, BUILD SPUD MUD, P/U BHA, SURFACE TEST MUD LINES, SPUD WELL F/ 125'

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION: 2681

DFS:

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 5

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/6/2021	9/7/2021	None	WORKING IN HEAT, STAYING HYDRATED, RIGGING UP. USING CORRECT TOOLS FOR THE JOB, DROPPED OBJECTS

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

83 MILE RIG MOVE

114 HOUR (5.75 DAYS) RIG MOVE

SPUD AT XX:XX HRS ON XX/XX/XX

0000 - 0600: RIG UP TONGS, FINISH REPLACING 5" MUD VALVE ON HOPPER PUMP, STRAP CALIPER & MOVE BHA, INSTALL SHAKER SCREENS, FINISH REPLACING 3 BAD VALVES ON MUD MIXER TO HOPPER.

COST DATA

DRILLING AFE AMT: \$3,638,250	DAILY DRILL COST: \$11,982	CUM DRILL COST: \$290,399	CUM MUD COST:	CUM WELL COST: \$290,399
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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
Conductor	16.00			125	125

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
								0						

BIT NO.	INNER:	OUTER:	DULL:	LOC:	SEAL:	GAUGE:	OTHER:	RP:
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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			0	0	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000			0	0	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH

DESCRIPTION:

LENGTH:

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		469	13,598

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH	TRRC	DIANA OPERATOR #4	



DAILY DRILLING REPORT

RPT DATE: 9/7/2021

RPT NUM.: 7

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC005
CONTRACTOR: UNIT DRILLING
SPUD DATE:
MD/TVD: 0 FT/0 FT
PRESENT OPERATIONS: PICKING UP BHA #1
ACTIVITY PLANNED: PICK UP BHA #1, SPUD JEFF EAST #1H F/ 125', DRILL 12 1/4" SURFACE HOLE F/ 125'

JOB: DRILLING
LEASE: UL JEFF EAST A 17-27-5 WA
API #: 32475381390000
ELEVATION: 2681
DFS:
24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 6
HRS DRLG:

COMMENTS

Last Safety Meeting Date 9/6/2021 Next Safety Meeting Date 9/7/2021 Accident Type None Safety Meeting Topic WORKING IN HEAT, STAYING HYDRATED, RIGGING UP. USING CORRECT TOOLS FOR THE JOB, DROPPED OBJECTS
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

0000 - 0230: P/U & M/U 12 1/4" BHA #1
0230-0430: SPUD WELL & DRILL 12 1/4" SURFACE HOLE F/ 125' - 477'
0430-0600: WHILE DRILLING AHEAD CLAY BACK TO SURFACE THROUGH ROTARY TABLE PARTIALLY PLUGGING OFF FLOW LINE, CLEAN CLAY FROM ROTARY TABLE & INSTALL ROTATING HEAD, ESTABLISH CIRCULATION @ 350 GPM, CONTINUE CIRCULATING WHILE UN PLUGGING FLOW LINE & POSSUM BELLIES OF SHAKERS, STAGING UP PUMPS TO DRILLING RATE OF 950 GPM.

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (0 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,638,250 DAILY DRILL COST: \$44,402 CUM DRILL COST: \$334,801 CUM MUD COST: \$14,442 CUM WELL COST: \$334,801

BOP

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

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	16.00			125	125

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)				PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	8.5	38.0		11.0	0	6	9	11		9	8	2,100		49.00		480		0.60	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	ULTERRA	SPL616	52075	9x12	0.994	N	125	125				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			0	0	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000			0	0	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 PDC Bit Ulterra SPL616 TFA	12.25		1.5	7	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg	8	2.875	3.58
2	Motor-9.5in 6/7 5.0 Adj. @ 1.83 w/ 12in S	9.625	4.5	33.45	8	Drill Collar-3) 8in DC	8	2.875	90.69
3	Stabilizer-12in Nortrack Stab 4 Blade	8.062	2.938	6.69	9	X-Over-8in XO Sub	8	2.25	2.88
4	Sub-8in NM UBHO Sub	8.062	3.188	4.24	10	Drill Collar-9) 6 1/2" DC	6.5	2.625	275.17
5	Monel Collar-8in NMDC	8	3.75	30.55	11	X-Over-6.5in XO Sub	6.5	2.25	3.29
6	Monel Collar-8in NMDC	8	3.75	28.39	12	Drill Pipe-12)5in HWDP 12ea.	6.625	3.062	363

DESCRIPTION: 12 1/4 BHA #1
LENGTH: 843.43
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		849	12,749

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH ITRRC		DIANA OPERATOR #4	



DAILY DRILLING REPORT

RPT DATE:

RPT NUM.:

RIG:

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H
FIELD: PHANTOM (WOLFCAMP)
AFE #: 21DC005
CONTRACTOR: UNIT DRILLING
SPUD DATE:
MD/TVD: 0 FT/0 FT
PRESENT OPERATIONS: PICKING UP BHA #1
ACTIVITY PLANNED: PICK UP BHA #1, SPUD JEFF EAST #1H F/ 125', DRILL 12 1/4" SURFACE HOLE F/ 125'

JOB: DRILLING
LEASE: UL JEFF EAST A 17-27-5 WA
API #: 32475381390000
ELEVATION: 2681
DFS:
24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 6
HRS DRLG:

COST BREAKDOWN

Code	Description	Daily Cost	Vendor	Remarks
2250-70	CORVA	\$ 250	CORVA	CORVA
2250-70	HOUSING	\$ 485	CIVEO	CAMP HOUSING. X5, TRANSFORMER
2250-70	INTERNET, PHONES, COM'S	\$ 140	INFRASTRUCTURE NETWORKS	INTERNET, PHONES, COM'S
2250-70	PASON	\$ 55	PASON	PASON COMPUTER
2250-70	WATER FLEET DAILY RENTAL.	\$ 560	WATERFLEET	WATER FLEET DAILY
2250-70	WELLDRIIVE	\$ 50	WELLDRIIVE	WELLDRIIVE
2250-80	WELLSITE SURVISOR CHRIS BLODGETT	\$ 2,000	OIL CITY DRILLING SERVICES, LLC	WELLSITE SUPERVISION
2250-80	WELLSITE SURVISOR MICHAEL MCCARTY	\$ 2,000	WORKRISE	WELLSITE SUPERVISION
2250-85	SAFETY TRAINING	\$ 3,075	CANON SAFETY SERVICES	H2S AWARENESS AND FIT TEST
2250-95	H2S MONITORING SYSTEM	\$ 75	CANON SAFETY SERVICES	H2S MONITORING
2250-95	INLINE MUD SCREEN	\$ 75	BLACK DIAMOND	INLINE MUD SCREEN
2250-95	MANLIFT AND FORKLIFT DAILY RENTAL	\$ 375	SKEWL ENERGY SERVICES	DAILY RENTAL MANLIFT & FORKLIFT
2250-95	PVT & RIG MONITORING	\$ 897	NOV	TOTCO PVT & RIG MONITORING
2250-95	STAGE 3	\$ 200	STAGE 3 SEPARATION	BOS 3 TANK
2250-95	TRANSFER PUMPS x4, 4x4 DIESEL PUMP, T	\$ 1,045	SKEWL ENERGY SERVICES	PUMPS, TANK FARM, DIESEL PUMP
2250-95	x4 LIGHT TOWERSL, TRASH TRAILER.	\$ 300	SKEWL ENERGY SERVICES	LIGHT TOWERS, TRASH TRAILER
2250-115	DIRECTIONAL COST	\$ 18,378	TALLY DRILLING SERVICES	BHA #1 REFURBS, TOOL RENTALS, PERSONELL CHARGES.
2250-125	DRILLING MUD CHEMICALS & PERSONAL	\$ 14,442	AES DRILLING FLUIDS INC	DRILLING MUD CHEM'S & PERSONAL.
Total:		\$ 44,402		

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	06:00	6.0	RIG MOVE IN	RIG UP & TEAR DOWN		RIG UP TONGS, FINISH REPLACING 5" MUD VALVE ON HOPPER PUMP, STRAP CALIPER & MOVE BHA, INSTALL SHAKER SCREENS, FINISH REPLACING 3 BAD VALVES ON MUD MIXER TO HOPPER. WAITING ON GOOSENECK WIRELINE ENTRY CAP TO ARRIVE & INSTALL ON TOP DRIVE.
06:00	00:00	18.0	RIG MOVE IN	RIG UP & TEAR DOWN		FINISH CHANGING VALVES ON MUD TANKS, INSTALL CAP ON GOOSE NECK, T ROUBLE SHOOTING TM 120, HAS ROTATE VALVE STICKING, HOOK UP FILL UP LINE TO DIVERTER STACK, PICK UP BIT BREAKER, DRESS OUT SHAKERS, CATWALK QUIT WORKING TROUBLE SHOOT & * REPAIR BAD HERSHMAN ON CARRIER SOLENOID, PICK UP D.C'S & RACK BACK IN DERRICK WITH DRILLABLE LIFT SUBS, INSTALL TRIP NIPPLE, FINISH BUILDING SPUD MUD, PRESSURE UP ON SURFACE LINES NO TEST, TROUBLE SHOOT AND FOUND THAT BAD 2" VALVE ON KILL LINE, CHANGE OUT BAD 2" KILL LINE VALVE , ATTEMPT TO FUNCTION TEST DIVERTER ANNULAR & VALVE BAD STARTER ON KOOMEY, PRESSURE UP WITH AIR JAMMERS & REPAIR STARTER SWITCH FOR PUMP, FUNCTION TEST. REPAIR PLUGGED LINER WASHER HOSES ON MUD PUMPS. TRANSFER SPUD MUD TO ACTIVE.
TOTAL HRS		24.0				



DAILY DRILLING REPORT

RPT DATE: 9/8/2021

RPT NUM.: 8

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H	JOB: DRILLING	RIG SUPERV: CHRIS BLODGETT / MICHAEL MCCARTY
FIELD: PHANTOM (WOLFCAMP)	LEASE: UL JEFF EAST A 17-27-5 WA	RIG PHONE: 432-355-3112
AFE #: 21DC005	API #: 32475381390000	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: UNIT DRILLING	ELEVATION: 2681	RKB: 2702
SPUD DATE: 9/8/2021	DFS: 1.0	DOL: 7
MD/TVD: 2975 FT/2960 FT	24 HR FTG: 2850	HRS DRLG: 16.5
PRESENT OPERATIONS: DRILLING 12.25" SURFACE AT 2,975'		
ACTIVITY PLANNED: DRILL TO TD, CIRC HOLE CLEAN, TOOHP, RUN SURFACE CASING		

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/8/2021	9/9/2021		FAST HOLE OPERATIONS WITH NEW EMPLOYEES, WORKING AS A TEAM
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			
00:00 - 06:00- DRILL F/ 2,975' T/ 3,209', C/O TWO DIFFERENT LINER GASKETS #1 PUMP, DRILL F/ 3,209' T/ 3267', HOLE IN PIT LINER CAUSED LOSS OF ENOUGH BRINE VOLUME TO DRILL.			
NO ACCIDENTS, INCIDENTS, OR SPILLS			
RIG DOWNTIME 0 HRS (0 HRS TOTAL)			

COST DATA

DRILLING AFE AMT: \$3,638,250	DAILY DRILL COST: \$34,866	CUM DRILL COST: \$386,042	CUM MUD COST: \$18,023	CUM WELL COST: \$386,042
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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
Conductor	16.00			125	125

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	10.0	28.0	99.0	8.0	1	1	2	3	1	2	155,000		0.05	0.20	1,640	2.30

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	ULTERRA	SPL616	52075	9x12	0.994	N	125	2,975	2,850	16.5	50	121	172.7
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		3500	504	.00165	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000		3500	504	.00165	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 PDC Bit Ulterra SPL616 TFA	12.25		1.5	7	X-Over-8in XO Sub NCS6 Box X 6 5/8 Reg	8	2.875	3.58
2	Motor-9.5in 6/7 5.0 Adj. @ 1.83 w/ 12in S	9.625	4.5	33.45	8	Drill Collar-3) 8in DC	8	2.875	90.69
3	Stabilizer-12in Nortrack Stab 4 Blade	8.062	2.938	6.69	9	X-Over-8in XO Sub	8	2.25	2.88
4	Sub-8in NM UBHO Sub	8.062	3.188	4.24	10	Drill Collar-9) 6 1/2" DC	6.5	2.625	275.17
5	Monel Collar-8in NMDC	8	3.75	30.55	11	X-Over-6.5in XO Sub	6.5	2.25	3.29
6	Monel Collar-8in NMDC	8	3.75	28.39	12	Drill Pipe-12)5in HWDP 12ea.	6.625	3.062	363
DESCRIPTION: 12 1/4 BHA #1									
LENGTH: 843.43									
ROT. WT.: 158									
BHA WT. AIR:									
P.U. WT.: 162									
BHA WT. MUD:									
S.O. WT.: 130									
HRS. ON JARS:									
TORQUE: 24,000									

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
2,262	7.78	154.30	2,247		-196.8	96.4	-39.3	0.5
2,354	7.43	153.86	2,338		-207.7	101.7	-41.4	0.4
2,447	7.91	153.42	2,430		-218.9	107.2	-43.7	0.5
2,540	8.31	157.46	2,522		-230.8	112.6	-45.7	0.8
2,632	8.00	158.52	2,613		-242.9	117.5	-47.1	0.4
2,725	7.47	157.20	2,706		-254.5	122.2	-48.5	0.6
2,817	7.87	158.25	2,797		-265.9	126.9	-49.9	0.5
2,910	8.26	162.21	2,889		-278.1	131.3	-50.8	0.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,836	9,913

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH ITRRC		DIANA OPERATOR #4	JOB # 270375

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	02:30	2.5	SURFACE DRILLING	DIR WORK		PICK UP DIRECTIONAL TOOLS
02:30	04:30	2.0				ROT DRILL 12.25" F/125' TO 477' (352' @ 176 FPH) WOB=10 DIFF=400 RPM=55 GPM= 600 TRQ= 12K MW IN 9.0 MW OUT 9.0 100% RETURNS
04:30	06:30	2.0	SURFACE DRILLING	DRILLING		WHILE DRILLING AHEAD CLAY BACK TO SURFACE THROUGH ROTARY TABLE PARTIALLY PLUGGING OFF FLOW LINE, CLEAN CLAY FROM ROTARY TABLE & INSTALL ROTATING HEAD, ESTABLISH CIRCULATION @ 350 GPM, CONTINUE CIRCULATING WHILE UN PLUGGING FLOW LINE & POSSUM BELLIES OF SHAKERS, STAGING UP PUMPS TO DRILLING RATE OF 950 GPM.
06:30	11:30	5.0	SURFACE DRILLING	OTHER		ROT DRILL 12.25" F/477' TO 1,236' (759' @ 152 FPH) WOB=12 DIFF= 700-800 RPM=55 GPM= 1048 TRQ= 13-18 MW IN 10.0 MW OUT 10.2 100% RETURNS *** NOTE SWAPPED TO BRINE @ 1,230'*** SLIDES 572' - 592', 7-10 WOB, 100 DIFF, MTF 140 662' - 682', 10 WOB, 150 DIFF, MTF 165 753' - 771', 10 WOB, 100 DIFF, MTF 165 843' - 858', 10 WOB, 150 DIFF, GTF HS 937' - 952', 15 WOB, 150 DIFF, GTF HS 1,031' - 1,051', 15 WOB, 150 DIFF, GTF 25R 1,123' - 1,143', 15 WOB, 125 DIFF, GTF 30R 1,216' - 1,236', 10-15 WOB, 150 DIFF, GTF 30R
11:30	12:00	0.5	SURFACE DRILLING	LUBRICATE RIG		CHANGE OUT LEAKING SUCTION HOSE ON #2 MUD PUMP
12:00	13:00	1.0				ROT DRILL 12.25" F/1,236' TO 1,401' (165' @ 165 FPH) WOB =12 DIFF= 700-800 GPM= 1048 TRQ= 13-16K MW IN 10.0 MW OUT 10.2 100% RETURNS
13:00	14:00	1.0	SURFACE DRILLING	DRILLING		#2 MUD PUMP AIRED UP. WENT THROUGH PUMP, FOUND RUBBER UNDER VALVE
14:00	18:30	4.5				ROT DRILL 12.25" F/1,401' TO 2,419' (1018' @ 226 FPH) WOB = 45-50 DIFF= 700-750 RPM=55 GPM= 1048 TRQ= 18-22K MW IN 10.0 MW OUT 10.2 100% RETURNS SLIDES 2,049' - 2,069' GTF 30R 2,400' - 2,419' GTF 40R
			SURFACE DRILLING	DRILLING		



DAILY DRILLING REPORT

RPT DATE: 9/9/2021

RPT NUM.: 9

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H	JOB: DRILLING	RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE
FIELD: PHANTOM (WOLFCAMP)	LEASE: UL JEFF EAST A 17-27-5 WA	RIG PHONE: 432-355-3112
APE #: 21DC005	API #: 32475381390000	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: UNIT DRILLING	ELEVATION: 2681	RKB: 2702
SPUD DATE: 9/8/2021	DFS: 2.0	DOL: 8
MD/TVD: 4747 FT/4717 FT	24 HR FTG: 1772	HRS DRLG: 3.5
PRESENT OPERATIONS: DRILLING 12.25" SURFACE AT 4,747'		
ACTIVITY PLANNED: DRILL TO TD, CIRCULATE HOLE CLEAN, TOOH AND RUN SURFACE CASING		

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/9/2021	9/10/2021		STAYING HYDRATED AND HOUSEKEEPING
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			
00:00 - 06:00- DRILL F/ 4,747' T/ 5,016'. CONFIRMED LAMAR FORMATION AT 5,016'.			
CIRCULATE TWO HI VIS SWEEPS WITH NUT PLUG, CALCULATED 76% WASHOUT			
NO ACCIDENTS, INCIDENTS, OR SPILLS			

RIG DOWNTIME 2 HRS (3 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,638,250	DAILY DRILL COST: \$90,222	CUM DRILL COST: \$465,216	CUM MUD COST: \$19,993	CUM WELL COST: \$465,216
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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
Conductor	16.00			125	125

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	9.4	28.0	99.0	8.8	1	1	2	3	1	2	108,000		0.10	0.20	2,080	0.60

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	ULTERRA	SPL616	52075	9x12	0.994	N	2,975	4,747	1,772	19.0	55	121	93.3

BIT NO.	INNER:	OUTER:	DULL:	LOC:	SEAL:	GAUGE:	OTHER:	RP:
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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	103	3400	500	.00165	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000	103	3400	500	.00165	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 PDC Bit Ultrerra SPL616 TFA	12.25		1.5	7	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg f	8	2.875	3.58
2	Motor-9.5in 6/7 5.0 Adj. @ 1.83 w/ 12in S	9.625	4.5	33.45	8	Drill Collar-3) 8in DC	8	2.875	90.69
3	Stabilizer-12in Nortrack Stab 4 Blade	8.062	2.938	6.69	9	X-Over-8in XO Sub	8	2.25	2.88
4	Sub-8in NM UBHO Sub	8.062	3.188	4.24	10	Drill Collar-9) 6 1/2" DC	6.5	2.625	275.17
5	Monel Collar-8in NMDC	8	3.75	30.55	11	X-Over-6.5in XO Sub	6.5	2.25	3.29
6	Monel Collar-8in NMDC	8	3.75	28.39	12	Drill Pipe-12)5in HWDP 12ea.	6.625	3.062	4266.57

DESCRIPTION: 12 1/4 BHA #1

LENGTH: 4,747.00

ROT. WT.: 170

BHA WT. AIR:

P.U. WT.: 190

BHA WT. MUD:

S.O. WT.: 155

HRS. ON JARS:

TORQUE: 19,000

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,020	3.91	185.32	3,991		-404.9	155.3	-39.5	0.6
4,112	3.16	200.79	4,083		-410.4	154.1	-36.9	1.3
4,205	2.99	201.14	4,176		-415.0	152.4	-33.9	0.2
4,297	2.95	198.86	4,267		-419.5	150.7	-31.1	0.1
4,389	2.77	195.08	4,359		-423.9	149.4	-28.6	0.3
4,483	2.59	191.47	4,453		-428.1	148.4	-26.5	0.3
4,576	1.80	181.89	4,546		-431.7	147.9	-25.1	0.9
4,669	2.15	137.25	4,639		-434.4	149.0	-25.4	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		3,361	6,552

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH ITRRC		DIANA OPERATOR #4	JOB # 270375



DAILY DRILLING REPORT

RPT DATE:
RPT NUM.:
RIG:

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H	JOB: DRILLING	RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE
FIELD: PHANTOM (WOLFCAMP)	LEASE: UL JEFF EAST A 17-27-5 WA	RIG PHONE: 432-355-3112
AFE #: 21DC005	API #: 32475381390000	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: UNIT DRILLING	ELEVATION: 2681	RKB: 2702
SPUD DATE: 9/8/2021	DFS: 2.0	DOL: 8
MD/TVD: 4747 FT/4717 FT	24 HR FTG: 1772	HRS DRLG: 3.5
PRESENT OPERATIONS: DRILLING 12.25" SURFACE AT 4,747'		
ACTIVITY PLANNED: DRILL TO TD, CIRCULATE HOLE CLEAN, TOOH AND RUN SURFACE CASING		

COST BREAKDOWN

Code	Description	Daily Cost		Vendor	Remarks
2250-70	CORVA	\$	250	CORVA	CORVA
2250-70	HOUSING	\$	485	CIVEO	CAMP HOUSING. X5, TRANSFORMER
2250-70	INTERNET, PHONES, COM'S	\$	140	INFRASTRUCTURE NETWORKS	INTERNET, PHONES, COM'S
2250-70	PASON	\$	55	PASON	PASON COMPUTER
2250-70	WATER FLEET DAILY RENTAL.	\$	560	WATERFLEET	WATER FLEET DAILY
2250-70	WELLDRIIVE	\$	50	WELLDRIIVE	WELLDRIIVE
2250-80	WELLSITE SURVISOR CHRIS BLODGETT	\$	2,000	OIL CITY DRILLING SERVICES, LLC	WELLSITE SUPERVISION
2250-80	WELLSITE SURVISOR JOSH GILMORE	\$	2,000	WORKRISE	WELLSITE SUPERVISION
2250-95	FORK LIFT	\$	375	SKEWL ENERGY SERVICES	TRUCKING FOR FORK LIFT
2250-95	H2S MONITORING SYSTEM	\$	75	CANON SAFETY SERVICES	H2S MONITORING
2250-95	HAUL IN TANK FARM AND EQUIPMENT	\$	2,255	SKEWL ENERGY SERVICES	DELIVER TANK FARM AND EQUIPMENT
2250-95	INLINE MUD SCREEN	\$	75	BLACK DIAMOND	INLINE MUD SCREEN
2250-95	LOADER	\$	68,750	SKEWL ENERGY SERVICES	DELIVER LOADER
2250-95	MANLIFT AND FORKLIFT DAILY RENTAL	\$	375	SKEWL ENERGY SERVICES	DAILY RENTAL MANLIFT & FORKLIFT
2250-95	PVT & RIG MONITORING	\$	897	NOV	TOTCO PVT & RIG MONITORING
2250-95	RIG UP BACK YARD	\$	1,035	SKEWL ENERGY SERVICES	RIG UP PREMIX AND MANIFOLD
2250-95	ROTATING HEAD	\$	700	ADS	20" ROTATING HEAD
2250-95	STAGE 3	\$	200	STAGE 3 SEPARATION	BOS 3 TANK
2250-95	TRANSFER PUMPS x4, 4x4 DIESEL PUMP, T	\$	1,045	SKEWL ENERGY SERVICES	PUMPS, TANK FARM, DIESEL PUMP
2250-95	x4 LIGHT TOWERSL, TRASH TRAILER.	\$	300	SKEWL ENERGY SERVICES	LIGHT TOWERS, TRASH TRAILER
2250-115	DIRECTIONAL COST	\$	6,630	TALLY DRILLING SERVICES	BHA #1 REFURBS, TOOL RENTALS, PERSONELL CHARGES.
2250-125	DRILLING MUD CHEMICALS & PERSONAL	\$	1,970	AES DRILLING FLUIDS INC	DRILLING MUD CHEM'S & PERSONAL.
Total:		\$	90,222		

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	02:00	2.0				ROT DRILL 12.25" F/2,975' TO 3,209' (234' @ 117 FPH) WOB = 45-50 DIFF= 700-750 RPM =55 GPM= 1009 TRQ= 24K MW IN 9.9 MW OUT 9.8 100% RETURNS SLIDES 2975' - 2999' GTF- 70R 3160' - 3181' GTF- 80R
02:00	04:00	2.0	SURFACE DRILLING	DRILLING	RIG REPAIR	CHANGE OUT LINER GASKETS ON #1 MUD PUMP, #4 AND #5 MODULE
04:00	05:30	1.5				ROT DRILL 12.25" F/3,209' TO 3,278' (69' @ 46 FPH) WOB = 45-50 DIFF= 700-750 RPM =55 GPM= 1009 TRQ= 24K MW IN 9.9 MW OUT 9.8 100% RETURNS SLIDES 3252 - 3266 GTF- 70R
05:30	08:30	3.0	SURFACE DRILLING	DRILLING	EQUIPMENT FAILURE (NON RIG)	HAD TEAR IN PIT LINER UNDER FLOWLINE DISCHARGE. LOST VOLUME IN RESERVE PIT, VOLUME TOO LOW TO DRILL. WORKED DRILL STRING AND CIRCULATED AT REDUCED RATE WHILE WAITING ON BRINE TRUCKS AND REPAIRING PIT LINER. DECISION WAS MADE TO DRILL FROM INSIDE RESERVE PIT. ADDED 1000 BBL OF BRINE AND MOVED FLOWLINE TO INSIDE RESERVE PIT, RESUMED DRILLING OPERATIONS
08:30	00:00	15.5	SURFACE DRILLING	OTHER		ROT DRILL 12.25" F/3,278' TO 4,747' (1,469' @ 95 FPH) SLIDING 30'/100' STARTING AT 4600' MD DUE TO WELL PULLING LEFT WOB = 50-60 DIFF= 700-750 RPM =50-55 GPM= 1009 TRQ=18- 24K MW IN 9.5 MW OUT 10.0 100% RETURNS SLIDES 3345 - 3365 GTF- 80R 3448 - 3468 GTF - 90R 3540 - 3560 GTF- 120R 3715 - 3735 GTF - 130R 3808 - 3828 GTF - 130R 3992 - 4012 GTF- 140R 4085 - 4105 GTF- 120R 4548 - 4568 GTF - 40R 4641 - 4666 MTF- 90 4734 - 4747 MTF - 227
			SURFACE DRILLING			



DAILY DRILLING REPORT

RPT DATE: 9/10/2021

RPT NUM.: 10

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H	JOB: DRILLING	RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE
FIELD: PHANTOM (WOLFCAMP)	LEASE: UL JEFF EAST A 17-27-5 WA	RIG PHONE: 432-355-3112
AFE #: 21DC005	API #: 32475381390000	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: UNIT DRILLING	ELEVATION: 2681	RKB: 2702
SPUD DATE: 9/8/2021	DFS: 3.0	DOL: 9
MD/TVD: 5016 FT/4986 FT	24 HR FTG: 269	HRS DRLG: 3.5
PRESENT OPERATIONS: WASHING CASING DOWN AT 4930'		
ACTIVITY PLANNED: WASH CASING TO BOTTOM, CIRC 1.5 X CASING CAPACITY, CEMENT, INSTALL WELLHEAD		

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/10/2021	9/11/2021		CASING AND CEMENT OPERATIONS
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			
00:00 - 06:00- WASH CASING W/ CRT F/ 4930' T/ 5008'. RIG DOWN CASING CREW, CIRCULATE 1.5 TIMES CASING CAPACITY (721 BBL). RIG UP CEMENTERS AND PUMP CEMENT AND DISPLACED 101 BBLs AND PUMP PRESSURE HIT HIGH PRESSURE LIMIT 3400 PSI @ .5 BBL/MIN. LD CEMENTERS AND LANDING JT TO TRIP INTO PUSH PLUG DOWN AND WASH OUT CEMENT			
NO ACCIDENTS, INCIDENTS, OR SPILLS			

RIG DOWNTIME 2 HRS (3 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,638,250	DAILY DRILL COST: \$248,509	CUM DRILL COST: \$719,050	CUM MUD COST: \$22,768	CUM WELL COST: \$719,050
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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
Conductor	16.00			125	125
Surface	10.75	45.5	J55	5,008	4,978

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	9.8	27.0	99.0	8.2	1	1	1	2	1	1	150,000		0.05	0.15	2,040	1.00

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	12.25	ULTERRA	SPL616	52075	9x12	0.994	N	4,747	5,016	269	3.0	55	121	89.7

BIT NO. 1	INNER: 1	OUTER: 6	DULL: LT	LOC: T	SEAL: X	GAUGE: I	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	103	3400	500	.00165	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000	103	3400	500	.00165	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-12.25 PDC Bit Ulterra SPL616 TFA	12.25		1.5	7	X-Over-8in XO Sub NC56 Box X 6 5/8 Reg f	8	2.875	3.58
2	Motor-9.5in 6/7 5.0 Adj. @ 1.83 w/ 12in S	9.625	4.5	33.45	8	Drill Collar-3) 8in DC	8	2.875	90.69
3	Stabilizer-12in Nortrack Stab 4 Blade	8.062	2.938	6.69	9	X-Over-8in XO Sub	8	2.25	2.88
4	Sub-8in NM UBHO Sub	8.062	3.188	4.24	10	Drill Collar-9) 6 1/2" DC	6.5	2.625	275.17
5	Monel Collar-8in NMDC	8	3.75	30.55	11	X-Over-6.5in XO Sub	6.5	2.25	3.29
6	Monel Collar-8in NMDC	8	3.75	28.39	12	Drill Pipe-12)5in HWDP 12ea.	6.625	3.062	4266.57

DESCRIPTION: 12 1/4 BHA #1

LENGTH: 4,747.00

BHA WT. AIR:

BHA WT. MUD:

HRS. ON JARS:

ROT. WT.:

P.U. WT.:

S.O. WT.:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,020	3.91	185.32	3,991		-404.9	155.3	-39.5	0.6
4,112	3.16	200.79	4,083		-410.4	154.1	-36.9	1.3
4,205	2.99	201.14	4,176		-415.0	152.4	-33.9	0.2
4,297	2.95	198.86	4,267		-419.5	150.7	-31.1	0.1
4,389	2.77	195.08	4,359		-423.9	149.4	-28.6	0.3
4,483	2.59	191.47	4,453		-428.1	148.4	-26.5	0.3
4,576	1.80	181.89	4,546		-431.7	147.9	-25.1	0.9
4,669	2.15	137.25	4,639		-434.4	149.0	-25.4	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	7,210		13,762

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH ITRRC		DIANA OPERATOR #4	JOB # 270375

RPT DATE:
RPT NUM.:
RIG:

WELL NAME: **UL JEFF EAST 17-27-5 WA 1H**
FIELD: **PHANTOM (WOLFCAMP)**
AFE #: **21DC005**
CONTRACTOR: **UNIT DRILLING**
SPUD DATE: **9/8/2021**
MD/TVD: **5016 FT/4986 FT**
PRESENT OPERATIONS: **WASHING CASING D**

JOB: DRILLING
LEASE: UL JEFF EAST A 17-27-5 WA
API #: 32475381390000
ELEVATION: 2681
DFS: 3.0
24 HR FTG: 269

RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE
RIG PHONE: 432-355-3112
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
RKB: 2702
DOL: 9
HRS DRLG: 3.5

Code	Description	Daily Cost	Vendor	Remarks
2250-65		\$ 18,140	ROLFSON OIL	7210 GAL FUEL @ \$2.499/ GAL
2250-70	CORVA	\$ 250	CORVA	CORVA
2250-70	HOUSING	\$ 485	CIVEO	CAMP HOUSING. X5, TRANSFORMER
2250-70	INTERNET, PHONES, COM'S	\$ 140	INFRASTRUCTURE NETWORKS	INTERNET, PHONES, COM'S
2250-70	PASON	\$ 55	PASON	PASON COMPUTER
2250-70	WATER FLEET DAILY RENTAL.	\$ 560	WATERFLEET	WATER FLEET DAILY
2250-70	WELLDRIIVE	\$ 50	WELLDRIIVE	WELLDRIIVE
2250-75	DIRECTIONAL TOOLS HOT SHOT DELIVERY	\$ 713	TO A TEE	DIRECTIONAL TOOLS
2250-80	WELLSITE SURVISOR CHRIS BLODGETT	\$ 2,000	OIL CITY DRILLING SERVICES, LLC	WELLSITE SUPERVISION
2250-80	WELLSITE SURVISOR JOSH GILMORE	\$ 2,000	WORKRISE	WELLSITE SUPERVISION
2250-85	WELDING & OTH CONTR SRVC/LABOR	\$ 5,618	TOP TOOL	CLEAN SHAKERS AND SUCK BRINE FROM UNDER PIT LINER
2250-95	H2S MONITORING SYSTEM	\$ 75	CANON SAFETY SERVICES	H2S MONITORING
2250-95	INLINE MUD SCREEN	\$ 75	BLACK DIAMOND	INLINE MUD SCREEN
2250-95	MANLIFT AND FORKLIFT DAILY RENTAL	\$ 375	SKEWL ENERGY SERVICES	DAILY RENTAL MANLIFT & FORKLIFT
2250-95	PVT & RIG MONITORING	\$ 897	NOV	TOTCO PVT & RIG MONITORING
2250-95	ROTATING HEAD	\$ 700	ADS	20" ROTATING HEAD
2250-95	STAGE 3	\$ 200	STAGE 3 SEPARATION	BOS 3 TANK
2250-95	TRANSFER PUMPS x4, 4x4 DIESEL PUMP, T	\$ 1,045	SKEWL ENERGY SERVICES	PUMPS, TANK FARM, DIESEL PUMP
2250-95	x4 LIGHT TOWERSL, TRASH TRAILER.	\$ 300	SKEWL ENERGY SERVICES	LIGHT TOWERS, TRASH TRAILER
2250-100	BITS	\$ 17,079	ULTERRA DRILLING TECHNOLOGIES LP	12.25" SPL616
2250-105	CASING CREW & EQUIPMENT	\$ 6,000	TRK ENTERPRISES INC.	CASING CREW AND EQUIP
2250-115	DIRECTIONAL COST	\$ 6,630	TALLY DRILLING SERVICES	BHA #1 REFURBS, TOOL RENTALS, PERSONELL CHARGES.
2250-125	DRILLING MUD CHEMICALS & PERSONAL	\$ 2,775	AES DRILLING FLUIDS INC	DRILLING MUD CHEM'S & PERSONAL.
2250-130	MUD LOGGING	\$ 925	IMPAC EXPLORATION SERVICES, INC.	MUDLOGGER
2350-10		\$ 164,716	TRIDENT STEEL	5038.73' (THREADS ON) 10.75" 45.5# J55 BTC CASING
2350-30	LINER HANGER, DOWN HOLE CSG ACCESS.	\$ 16,706	OILFIELD SERVICE PROFESSIONALS (OSP)	SHOE, COLLAR, DV TOOL AND PLUGS, CENT

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	01:30	1.5				ROT DRILL 12.25" F/4,747' TO 4,845' (98' @ 65 FPH) SLIDING 30'/100' STARTING AT 4600' MD DUE TO WELL PULLING LEFT WOB = 50-60 DIFF= 700-750 RPM =50-55 GPM= 1009 TRQ=18- 24K MW IN 9.5 MW OUT 10.0 100% RETURNS SLIDES 4734 - 4762 MTF 227 4827 - 4845 MTF 259
01:30	02:00	0.5	SURFACE DRILLING	DRILLING		CHANGE OUT LINER GASKET ON #1 MUDPUMP, #4 MODULE
02:00	04:00	2.0		RIG SERVICE		ROT DRILL 12.25" F/4,845' TO 5,016' (171' @ 85.5 FPH). WOB = 50-60 DIFF= 700-750 RPM =50-55 GPM= 1009 TRQ=18- 24K MW IN 9.5 MW OUT 10.0 100% RETURNS TOP OF LAMAR @ 4,996' MD/ 4965' TVD SLIDES 4845 - 4855 MTF- 259
04:00	06:30	2.5				CIRCULATE TWO HI VIS SWEEPS TO CLEAN HOLE 1ST SWEEP 30 BBL HIGH VIS WITH NUT PLUG 2ND SWEEP 30 BBL HIGH VIS WITH NUT PLUG CALCULATED 76% WASHOUT FROM SWEEPS
06:30	11:00	4.5	SURFACE DRILLING	COND MUD & CIRC		TOOH ON ELEVATORS, HAD 50K OVERPULL AT 4450'. MADE UP TOPDRIVE, WASH AND REAMED STAND AT 4500'. TOOH TO BHA WITH NO OVERPULL. HOLE TOOK PROPER FILL
11:00	12:30	1.5		TRIPS		RACKED BACK HWDP AND DRILL COLLARS, BROKE OFF BIT, MWD AND MUD MOTOR. GRADED BIT 1-6 WITH WORN AND LOST CUTTERS
12:30	19:30	7.0		TRIPS		HOLD PJSM WITH ALL PERSONNEL. RIG UP CASING EQUIPMENT AND CRT. RUN CASING ON ELEVATORS, HIT TIGHT SPOT AT 4,702'. ATTEMPTED TO WASH WITH CRT, UNABLE TO GET TOOL TO ENGAGE AND LOCK IN CASING. WAS DETERMINED CRT HAD UNDERSIZED DIES
19:30	23:30	4.0	SURFACE CASING	RUN CSG & CEMENT		RIGGED UP SWEDGE AND CIRCULATING IRON, WASH CASING F/ 4,702' T/ 4820' @ 524 GPM. HOLE IS TAKING WEIGHT AND WASHING OFF. 100% RETURNS



DAILY DRILLING REPORT

RPT DATE: 9/11/2021

RPT NUM.: 11

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

AFE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/8/2021

MD/TVD: 5016 FT/4986 FT

PRESENT OPERATIONS: WAITING ON ADDITIONAL CEMENT TO ARRIVE TO LOCATION

ACTIVITY PLANNED: CEMENT 2ND STAGE ON SURFACE CASING, WAIT ON CMT 2.5 HRS, LAY DOWN LANDING JT, NIPPLE DOWN ANNULAR AND WALK RIG

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION: 2681

DFS: 4.0

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 10

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/11/2021	9/12/2021		WORKING WITH 3RD PARTY
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			
00:00 - 06:00- WAIT ON CEMENT TO BE DELIVERED TO LOCATION, RIG UP CEMENT HEAD, CEMENT SURFACE CASING 2ND STAGE, PUMPED 1452 SACKS (344) BBL 14.8 PPG CEMENT. DISPLACED WITH 108 BBL FW, SETTING PLUG AT 1123'. SHUT IN CEMENT HEAD WITH 285 PSI. CIRCULATED 122 BBLS CEMENT TO SURFACE, 100% RETURNS DURING ENTIRE CMT JOB			
NO ACCIDENTS, INCIDENTS, OR SPILLS			

RIG DOWNTIME 0 HRS (3 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,638,250	DAILY DRILL COST: \$74,639	CUM DRILL COST: \$793,689	CUM MUD COST: \$23,593	CUM WELL COST: \$793,689
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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
Conductor	16.00			125	125
Surface	10.75	45.5	J55	5,008	4,978

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	9.8	27.0	99.0	10.3	1	1	1	2	1	1	147,000	0.50	0.60	1,880	1.20	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	9.88	VAREL	MILL TOOTH				N	760	1,180	420	5.5	25	N/A	76.4
1	12.25	ULTERRA	SPL616	52075	9x12	0.994	N	4,747	5,016	269	3.0	55	121	89.7
BIT NO. 2		INNER: 1	OUTER: 1	DULL: WT	LOC: A	SEAL: 0	GAUGE: 1	OTHER: N	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	103	3400	500	.00165	95	0			0	0
2	WEATHERFORD	EQ-2200	5.000	12.000	103	3400	500	.00165	95	0			0	0

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-MILL TOOTH	9.88		1	7	Drill Pipe-HWDP			363
2	Sub-BIT SUB	8	3	3.46					
3	Drill Collar-8" DC	8	3	90.69					
4	X-Over-XO			2.88					
5	Drill Collar-6 1/2" DC			275.17					
6	X-Over-XO			3.29					

DESCRIPTION: CMT DRILLOUT BHA

LENGTH: 739.49

BHA WT. AIR:

BHA WT. MUD:

HRS. ON JARS:

ROT. WT.:

P.U. WT.:

S.O. WT.:

TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,020	3.91	185.32	3,991		-404.9	155.3	-39.5	0.6
4,112	3.16	200.79	4,083		-410.4	154.1	-36.9	1.3
4,205	2.99	201.14	4,176		-415.0	152.4	-33.9	0.2
4,297	2.95	198.86	4,267		-419.5	150.7	-31.1	0.1
4,389	2.77	195.08	4,359		-423.9	149.4	-28.6	0.3
4,483	2.59	191.47	4,453		-428.1	148.4	-26.5	0.3
4,576	1.80	181.89	4,546		-431.7	147.9	-25.1	0.9
4,669	2.15	137.25	4,639		-434.4	149.0	-25.4	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,234	11,194

NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
9/7/2021	2:55	SPUD	PATRICK OWENS / JOSH	TRRC	DIANA OPERATOR #4	JOB # 270375
8/26/2021	11:20	SPUD/CSG/CEMENT	MATT TAYLOR	TRRC	LARRISA	JOB #269199
9/4/2021	13:00	CSG/CEMENT	G.D. THORNTON	TRRC	AUDREY- OP #2	JOB #269199
9/11/2021	10:20	CE CEMENT- NO CIRCU	NICHOLS	TRRC	ERIK HANSON	JOB # 269199

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
00:00	00:30	0.5				WASH CASING W/ CRT F/ 4,930' T/ 5,008", 524 GPM, 1225 PSI. HOLE IS TAKING WEIGHT AND WASHING OFF. 100% RETURNS RUN CASING AS FOLLOWS SHOE (OSP) WITH THREAD LOCK @ 5,008' 1 JOINT CASING 10 3/4" 45.5# J-55 BTC FLOAT COLLAR (OSP) THREAD LOCKED @ 4,966' 96 JOINTS 10.75" CASING 10 3/4" DV TOOL (OSP) THREAD LOCKED SET DEPTH 1163.93' 27 JOINTS, 10 3/4" CASING (WASHED LAST 7 JOINTS DOWN) 10 3/4" LANDING JOINT WITH CACTUS HANGER 36 TOTAL CENTRALIZERS RUN
00:30	02:00	1.5	SURFACE CASING	RUN CSG & CEMENT		CIRCULATE 1.5 CASING CAPACITY (721 BBL, 6269 STKS) 524 GPM, 1225 PSI W/ 100% RETURNS WHILE RIGGING DOWN CASING CREW. HELD PJSJM WITH ALL PERSONNEL ON CEMENTING OPERATIONS
02:00	05:00	3.0	SURFACE CASING	COND MUD & CIRC		RIG UP WTC CEMENT HEAD CEMENT 10 3/4" SURFACE CASING AS FOLLOWS: PRESSURE TEST LINES TO 4000 PSI FOR 5 MINUTES PUMP 20.00 OF 8.33 PPG SPACER @ 6 BPM PUMP 416 BBL (915 SACKS) OF 12 PPG, 2.52 YIELD LEAD CEMENT @ 7 BPM. (950 PSI) PUMP 99 BBL (415 SACKS) PF 14.8 PPG, 1.34 YIELD TAIL CEMENT @ 6 BPM. (900 PSI) MAINTAINED 100% RETURNS WHILE CEMENTING DROP PLUG. PIPE WAS NOT RECIPROCATED OR ROTATED WHILE CEMENTED STARTED DISPLACING WITH 9.8PPG BRINE AT 4 BPM. PRESSURE HIT KICKOUTS SET AT 2000 PSI RAISED KICKOUTS TRIED TO PUMP DISPLACEMENT AS FOLLOWS: 20 BBL INTO DISPL @ 4 BPM 1950 PSI, PRESSURE CLIMBING 50 BBL INTO DISPL @ 2 BPM 2340 PSI, PRESSURE CLIMBING STAGED KICKOUTS TO 3400 PSI 65 BBL INTO DISPL @ .5 BPM 3400 PSI UNABLE TO PUMP DISPLACEMENT DUE TO HIGH PSI 101 BBLs ON BACK SIDE OF CASING ESTIMATED CEMENT TOP 3293' (CALCULATED WITH 75% WASH OUT)
05:00	06:00	1.0	SURFACE CASING	RUN CSG & CEMENT		RIG DOWN CEMENT HEAD, BACK OUT AND LAY DOWN LANDING JOINT
06:00	07:30	1.5	SURFACE CASING	RUN CSG & CEMENT		RIG UP PIPE ELEVATORS, TIH OPEN ENDED WITH DRILL COLLARS, HWDP AND DP TO 640' (TAGGED UP)
07:30	09:30	2.0				WASH PLUG AND CEMENT F/ 640' T/ 760". 584 GPM, 20 RPM, TQ 2800-7000, SPP 24-2650 PSI. 100% RETURNS. PROGRESS SLOWED TO 5 MIN/FT DUE TO CEMENT SETTING. DECISION WAS MADE TO TOOH AND PICK UP MILLTOOTH BIT
			SURFACE CASING	RUN CSG & CEMENT		
09:30	10:30	1.0	SURFACE CASING	RUN CSG & CEMENT		TOOH TO PICK UP MILL TOOTH BIT
10:30	11:30	1.0				MAKE UP 9 7/8" VAREL DTIGJMRS MILL TOOTH BIT, 1- 8" BIT SUB, 3- 8" DC, 9- 6" DC, 1- XO, 12- 5" HWDP, TIH TO 760'
			SURFACE CASING	RUN CSG & CEMENT		
11:30	16:30	5.0				MILL PLUG AND CEMENT F/ 760' T/ 1180", WOB- 25, RPM- 100, GPM- 800, 5-7K TQ, 1750 PSI. DRILLED 17' BELOW DV TOOL
			SURFACE CASING	SQUEEZE CEMENT		
16:30	17:00	0.5	SURFACE CASING	RUN CSG & CEMENT		CIRCULATE BOTTOMS UP @ 584 GPM



DAILY DRILLING REPORT

RPT DATE: 9/12/2021

RPT NUM.: 12

RIG: UNIT 407

WELL/JOB INFORMATION

WELL NAME: UL JEFF EAST 17-27-5 WA 1H

FIELD: PHANTOM (WOLFCAMP)

APE #: 21DC005

CONTRACTOR: UNIT DRILLING

SPUD DATE: 9/8/2021

MD/TVD: 5016 FT/4986 FT

PRESENT OPERATIONS: RELEASED RIG TO UL JEFF 3H

ACTIVITY PLANNED: SKID TO UL JEFF 3H AND DRILL SURFACE

JOB: DRILLING

LEASE: UL JEFF EAST A 17-27-5 WA

API #: 32475381390000

ELEVATION: 2681

DFS: 4.5

24 HR FTG:

RIG SUPERV: CHRIS BLODGETT / JOSH GILMORE

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 2702

DOL: 11

HRS DRLG:

COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
9/11/2021	9/12/2021	None	WORKING WITH 3RD PARTY

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

NO ACCIDENTS, INCIDENTS, OR SPILLS

RIG DOWNTIME 0 HRS (3 HRS TOTAL)

COST DATA

DRILLING AFE AMT: \$3,638,250 DAILY DRILL COST: \$52,582 CUM DRILL COST: \$846,271 CUM MUD COST: \$24,418 CUM WELL COST: \$846,271

BOP

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

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	16.00			125	125
Surface	10.75	45.5	J55	5,008	4,978

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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