



# DAILY DRILLING REPORT

RPT DATE: 4/15/2022

RPT NUM.: 5

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H  
FIELD: PHANTOM WOLFCAMP  
AFE #: 22DC053  
CONTRACTOR: Unit  
SPUD DATE: 3/28/2022  
MD/TVD: 5400 FT/5360 FT  
PRESENT OPERATIONS: TRIP IN HOLE WITH BHA #2  
ACTIVITY PLANNED: DRILL INTERMEDIATE

JOB:  
LEASE: UL YELLOWTAIL WEST G 21-29-17 WA  
API #: 42-495-34697  
ELEVATION: 2763  
DFS: 2.7  
24 HR FTG: 260

RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM  
RIG PHONE: 432-355-3112  
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO  
RKB: 21.5  
DOL: 19  
HRS DRLG:

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/15/2022	4/16/2022		RIGGING UP AND RUNNING CASING, CEMENTING

RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00  
SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022  
SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS  
SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS

00:00-02:30 TRIP IN HOLE T/5,000 WITH INTERMEDIATE BHA  
02:30-03:00 TAG FLOAT COLLAR AND TEST CASING TO 1500 PSI FOR 30 MIN.GOOD TEST  
03:00-03:30 SLIP AND CUT DRILL LINE  
03:30-05:00 DRILL OUT FLOAT EQUIPMENT AND CEMENT  
05:00-06:00 ROTATE DRILL 8 3/4" INTERMEDIATE HOLE F/ 5,140' - T/ 5,400' (260' @260 FPH) WOB: 38-45K, GPM: 650, PPSI: 3300, DIFF:700-1000, RPM: 75, TORQUE ON: 11,000-17,000 FT/LBS, OFF: 8,000-9,000 FT/LBS, MW IN: 9.4 / OUT: 9.4 PPG, DRILLING OPEN LOOP, PERIODICALLY SWAP CLOSED LOOP TO CHECK FOR GAINS / LOSSES

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$9,960	CUM DRILL COST:	\$662,267	CUM MUD COST:	\$17,865	CUM WELL COST:	\$662,267
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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			100	100
Surface	9.63	40-45.5	J55	5,122	

## 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
2	8.75	REED	TKC76	A283628	10x10	0.770	N	0						
1	12.25	NOV	TKC56	A281131	8x13	1.037	N	120	5,140	5,020	28.0	55	144	179.3

BIT NO. 1 INNER: 1 OUTER: 2 DULL: WT LOC: S SEAL: X GAUGE: I OTHER: BT 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	85	2600	325	.00176	95	10	239	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	2600	325	0.00176	95	10	239	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Reed TKC76	8.75		1	7	X-Over-X-O 4.5 XH Box 4.5 IF Pin	6.56	3.25	3.4
2	Motor-7 INCH 6/7 6.5 @ 1.83 (0.23 f	7		32.1	8	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
3	Stabilizer-4 Blade Stabilizer 8 1/4 ( Bored	6.75	2.75	5.46	9	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
4	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	10	Drill Pipe-12 x 5" HWD	5	3	360.97
5	Monel Collar-NMDC	6.75	3.25	29.79	11	X-Over-X-O 4 1/2 IF Pin X CET43 Box	5.375	3	3.42
6	Monel Collar-NMDC	6.75		29.29					

DESCRIPTION: BHA#2  
LENGTH: 747.16  
ROT. WT.: 95  
BHA WT. AIR: 95  
P.U. WT.: 100  
BHA WT. MUD: 90  
S.O. WT.: 95  
HRS. ON JARS:  
TORQUE: 2,300

## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,499	9.49	65.50	4,452	315.4	487.0	166.3	0.8	
4,592	9.50	62.03	4,544	322.2	500.8	168.9	0.6	
4,684	9.87	61.96	4,635	329.5	514.4	172.1	0.4	
4,777	8.12	62.32	4,727	336.3	527.3	175.0	1.9	
4,869	6.76	59.78	4,818	342.0	537.7	177.6	1.5	
4,962	6.67	59.82	4,910	347.5	547.1	180.2	0.1	
5,055	6.32	60.22	5,003	352.8	556.2	182.7	0.4	
5,125	6.32	60.22	5,072	356.6	562.9	184.5		

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed	1,000		12,755
CNG			-1,141

## NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	URFACE CASING AND	COWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE

## PERSONNEL

Company	Job Function	Total Personnel	Total Daily Hours	Cumulative Hours
PERCUSSION PETROLEUM	DSM (12 HRS/MAN)	2	24	120

UNIT DRILLING	1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HRS)	13	156	780	
AES DRILLING FLUIDS	MUD ENGINEER	1	24	120	
ALTITUDE	2DD'S, 2 MWD HANDS	2	24	120	
STAGE 3	2 SOLID CONTROL HANDS	1	12	48	
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# DAILY DRILLING REPORT

RPT DATE: 4/16/2022

RPT NUM.: 6

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H  
FIELD: PHANTOM WOLFCAMP  
AFE #: 22DC053  
CONTRACTOR: Unit  
SPUD DATE: 3/28/2022  
MD/TVD: 7580 FT/7520 FT  
PRESENT OPERATIONS: PICKING UP BHA#3  
ACTIVITY PLANNED: DRILL INTERMEDIATE

JOB:  
LEASE: UL YELLOWTAIL WEST G 21-29-17 WA  
API #: 42-495-34697  
ELEVATION: 2763  
DFS: 3.7  
24 HR FTG: 2180

RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM  
RIG PHONE: 432-355-3112  
EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO  
RKB: 21.5  
DOL: 20  
HRS DRLG: 15.5

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/16/2022	4/17/2022		TRIPPING PIPE
RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00 SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS) RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022 SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS			
00:00-01:00 PICK UP DIRECTIONAL TOOLS FOR BHA #3 AS FOLLOWS: BIT #2- 8 -3/4" SMITH XZ616W W/ 6-14'S, TFA .90. SN# JV2825, 6.75" MOTOR 6/7, 8.5 STG, ADJ SET AT 1.83" 0.23 REV/GAL MAX TRQ 16,900 MAX DIFF 1,530. BIT TO BEND: 5.25', KICK PAD OD: 0," 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP			
01:00-05:00 TRIP IN HOLE T/5,000 WITH INTERMEDIATE BHA #3			
05:00-06:00 ROTATE DRILL 8 3/4" INTERMEDIATE HOLE F/ 7,580' - T/ 7,700' (120' @ 120 FPH) WOB: 38-45K, GPM: 650, PPSI: 3300, DIFF:700-1000, RPM: 25-60, TORQUE ON: 11,000-13,000 FT/LBS, OFF: 6,000-8,000 FT/LBS, MW IN: 9.4 / OUT: 9.4 PPG, LITHOLOGY: 7,480' MD - 30% LS-,50% SS-20% SLTST, BACKGROUND GAS: 100UNITS, CONNECTION GAS: 116 UNITS, DRILLING OPEN LOOP, PERIODICALLY SWAP CLOSED LOOP TO CHECK FOR GAINS / LOSSES			

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$56,665	CUM DRILL COST:	\$718,932	CUM MUD COST:	\$19,487	CUM WELL COST:	\$718,932
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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			100	100
Surface	9.63	40-45.5	J55	5,122	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.3	27.0	1.0	11.0	0	1	1	1	1	1	0.20	0.40	8,400			1.00

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	8.75	REED	TKC76	A283628	10x10	0.770	N	5,140	7,580	2,440	14.0	45	149	174.3
1	12.25	NOV	TKC56	A281131	8x13	1.037	N	120	5,140	5,020	28.0	55	144	179.3

BIT NO. 2	INNER: 1	OUTER: 1	DULL: NO	LOC: A	SEAL:	GAUGE: 0	OTHER: NO	RP: PR
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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	85	3300	325	.00176	95	10	239	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	3300	325	0.00176	95	10	239	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Reed TKC76	8.75		1	7	X-Over-X-O 4.5 XH Box 4.5 IF Pin	6.56	3.25	3.4
2	Motor-7 INCH 6/7 6.5 @ 1.83 (0.23 f	7		32.1	8	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
3	Stabilizer-4 Blade Stabilizer 8 1/4 ( Bored	6.75	2.75	5.46	9	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
4	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	10	Drill Pipe-12 x 5" HWDP	5	3	360.97
5	Monel Collar-NMDC	6.75	3.25	29.79	11	X-Over-X-O 4 1/2 IF Pin X CET43 Box	5.375	3	3.42
6	Monel Collar-NMDC	6.75		29.29					

DESCRIPTION: BHA#2 LENGTH: 747.16 ROT. WT.: 205	BHA WT. AIR: 210 P.U. WT.: 210	BHA WT. MUD: 205 S.O. WT.: 165	HRS. ON JARS: TORQUE: 16
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## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
6,866	0.26	333.62	6,806	489.0	591.1	303.7	1.6	
6,960	0.67	327.07	6,900	489.7	590.7	304.5	0.4	
7,054	0.62	316.59	6,994	490.5	590.0	305.4	0.1	
7,149	0.32	285.12	7,089	491.0	589.4	306.0	0.4	
7,244	0.50	263.98	7,184	491.0	588.7	306.3	0.2	
7,337	0.45	296.44	7,277	491.1	588.0	306.6	0.3	
7,431	0.33	291.37	7,371	491.4	587.4	307.0	0.1	
7,493	0.33	291.37	7,433	491.5	587.1	307.2		

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed		2,106	10,649
CNG			-1,141

## NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	URFACE CASING AND	COWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE

## PERSONNEL

Company	Job Function	Total Personnel	Total Daily Hours	Cumulative Hours	
PERCUSSION PETROLEUM	DSM (12 HRS/MAN)	2	24	144	
UNIT DRILLING	1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HRS)	13	156	936	
AES DRILLING FLUIDS	MUD ENGINEER	1	24	144	
ALTITUDE	2DD'S, 2 MWD HANDS	2	24	144	
STAGE 3	2 SOLID CONTROL HANDS	1	12	60	
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# DAILY DRILLING REPORT

RPT DATE: 4/17/2022

RPT NUM.: 7

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H

FIELD: PHANTOM WOLFCAMP

AFE #: 22DC053

CONTRACTOR: Unit

SPUD DATE: 3/28/2022

MD/TVD: 8769 FT/8680 FT

PRESENT OPERATIONS: TRIP OUT OF HOLE FOR ROP

ACTIVITY PLANNED: CHANGE BHA , TIH , DRILL INTERMEDIATE SECTION

JOB:

LEASE: UL YELLOWTAIL WEST G 21-29-17 WA

API #: 42-495-34697

ELEVATION: 2763

DFS: 4.7

24 HR FTG: 1189

RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM

RIG PHONE: 432-355-3112

EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO

RKB: 21.5

DOL: 21

HRS DRLG: 16

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/17/2022	4/18/2022		TRIPPING PIPE

RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00

SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)

RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022

SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS

RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS

SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS

RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H

RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS

00:00-02:30 STRIP OUT OF HOLE FOR LOW R.O.P F/4.208"/ BHA' FILLING AT CALCULATED DISPLACEMENT WITH 9.4 PPG BRINE, OPEN WELL, FLOW CHECK WELL (WELL STATIC). TOTAL FOOTAGE PULLED:4,208' @1682' FPH AVG.

02:30-03:00 L/D DIRECTIONAL TOOLS FOR BHA #3 AS FOLLOWS: BIT #3- 8 -3/4" SMITH XZ616W W/ -10 14'S, TFA .77. SN# JV2825,

7" MOTOR 7/8, 3.1 STG, ADJ SET AT 1.83" 0.18 REV/GAL MAX TRQ 10,704 MAX DIFF 800. BIT TO

BEND: 4.16', KICK PAD OD: 0",1- 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP

03:00-04:00 P/U DIRECTIONAL TOOLS FOR BHA #3 AS FOLLOWS: BIT #4- 8 -3/4" BAKER TX32062R W/ -7 14'S, TFA 1.05. SN# BPG2700-0052,

7" MOTOR 7/8, 3.1 STG, ADJ SET AT 1.83" 0.18 REV/GAL MAX TRQ 10,704 MAX DIFF 800. BIT TO

BEND: 4.16', KICK PAD 7.19",1- 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP

04:00-06:00 TIH WITH BHA #4

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$134,246	CUM DRILL COST:	\$853,178	CUM MUD COST:	\$91,329	CUM WELL COST:	\$853,178
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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			100	100
Surface	9.63	40-45.5	J55	5,122	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.4	27.0		12.0	0	1	1	1	1	1			0.40	0.70	8,800			

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	8.75	SMITH	XZ616W	JV2825	6x14	0.900	N	7,580	8,769	1,189	16.0	40	90	74.3
2	8.75	REED	TKC76	A283628	10x10	0.770	N	5,140	7,580	2,440	14.0	45	149	174.3

BIT NO. 3 INNER: 3 OUTER: 2 DULL: BT LOC: N SEAL: GAUGE: 0 OTHER: RP: PR

## 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	85	2200	250	.00176	95	10	169	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	2200	250	0.00176	95	10	169	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Smith XZ616W	8.75		1	7	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
2	Motor-6.75" Slick 7/8 3.1 @ 1.83 (0.18	6.75		24.89	8	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
3	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	9	Drill Pipe-12 x 5" HWDP	5	3	360.97
4	Monel Collar-NMDC 4.5 IF	6.75	3.812	29.79	10	X-Over-X-O 4 1/2 IF Pin x CET43 Box	5.375	3	3.42
5	Monel Collar-NMDC	6.75	3.25	29.29					
6	X-Over-X-O 4.5 XH x Box 4.5 IF Pin	6.56	3.25	3.4					

DESCRIPTION: BHA #3

LENGTH: 734.49

ROT. WT.: 205

BHA WT. AIR: 215

P.U. WT.: 260

BHA WT. MUD: 210

S.O. WT.: 165

HRS. ON JARS:

TORQUE: 11

## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
8,087	0.66	210.60	8,027		485.8	586.2	302.0	0.4
8,182	0.99	208.10	8,122		484.6	585.6	301.0	0.4
8,276	1.22	218.52	8,216		483.1	584.5	299.9	0.3
8,370	1.25	226.26	8,310		481.6	583.2	298.8	0.2
8,464	1.07	229.93	8,404		480.3	581.8	298.0	0.2
8,559	1.06	230.80	8,499		479.2	580.4	297.3	0.0
8,652	0.77	204.72	8,592		478.1	579.5	296.5	0.5
8,702	0.77	204.72	8,642		477.5	579.2	296.0	

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed	6,942	2,137	15,454
CNG		826	-1,967

## NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	URFACE CASING AND	COWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE

PERSONNEL						
Company		Job Function	Total Personnel	Total Daily Hours	Cumulative Hours	
PERCUSSION PETROLEUM		DSM (12 HRS/MAN)	2	24	168	
UNIT DRILLING		1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HRS)	13	156	1,092	
AES DRILLING FLUIDS		MUD ENGINEER	1	24	168	
ALTITUDE		2DD'S, 2 MWD HANDS	2	24	168	
STAGE 3		2 SOLID CONTROL HANDS	1	12	72	
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# DAILY DRILLING REPORT

RPT DATE: 4/18/2022

RPT NUM.: 8

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H	JOB:	RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM
FIELD: PHANTOM WOLFCAMP	LEASE: UL YELLOWTAIL WEST G 21-29-17 WA	RIG PHONE: 432-355-3112
AFE #: 22DC053	API #: 42-495-34697	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: Unit	ELEVATION: 2763	RKB: 21.5
SPUD DATE: 3/28/2022	DFS: 5.7	DOL: 22
MD/TVD: 9746 FT/9680 FT	24 HR FTG: 977	HRS DRLG: 14
PRESENT OPERATIONS: TRIP OUT OF HOLE FOR ROP		
ACTIVITY PLANNED: TRIP OUT OF HOLE , CHG BHA, TIH, AND DRILL INTERMEDIATE		

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/18/2022	4/19/2022		TRIPPING PIPE
RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00			
SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)			
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022			
SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS			
RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS			
SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS			
RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H			
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS			
00:00-01:30 STRIP OUT OF HOLE FOR LOW R.O.P F/5,000'T/ 2523' FILLING AT CALCULATED DISPLACEMENT WITH 9.4 PPG BRINE, OPEN WELL, FLOW CHECK WELL (WELL STATIC). TOTAL FOOTAGE PULLED: 2,477' @1651' FPH AVG.			
01:30-03:00 CONTINUE TO STRIP OUT OF HOLE FOR LOW R.O.P F/5,000'T/ 2523' FILLING AT CALCULATED DISPLACEMENT WITH 9.4 PPG BRINE, OPEN WELL, FLOW CHECK WELL (WELL FLOWING). PUMP 40 BBLS OF 15 PPB KILL MUD. FLOW CHECK WELL STATIC. TOTAL FOOTAGE PULLED: 5,000' @2,000' FPH AVG.			
03:00-03:30 RIG SERVICE			
03:30-04:30 L/U DIRECTIONAL TOOLS FOR BHA #4 AS FOLLOWS: BIT #4- 8 -3/4" BAKER TX32062R W/ -7 14'S, TFA 1.05. SN# BPG2700-0052, 7" MOTOR 8/9, 4.3 STG, ADJ SET AT 1.83° 0.18 REV/GAL MAX TRQ 10,704 MAX DIFF 800. BIT TO BEND: 4.16', KICK PAD 7.19",1- 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP			
04:30-05:00 P/U DIRECTIONAL TOOLS FOR BHA #5 AS FOLLOWS: BIT #4- 8 -3/4" BAKER TX32062R W/ -7 14'S, TFA 1.05. SN# BPG2700-0052, 7" MOTOR 7/8, 3.1 STG, ADJ SET AT 1.83° 0.18 REV/GAL MAX TRQ 10,704 MAX DIFF 800. BIT TO BEND: 4.16', KICK PAD 7.19",1- 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP			
05:00-06:00 TRIP IN HOLE WITH BHA			

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$64,799	CUM DRILL COST:	\$917,977	CUM MUD COST:	\$93,651	CUM WELL COST:	\$917,977
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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			100	100
Surface	9.63	40-45.5	J55	5,122	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.4	27.0	1.0	11.0	99/0	1	1	1	1	1	0.30	0.70	9,800			

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
4	8.75	BAKER	D507VTWX	5324999	7x14	0.180	N	8,769	9,746	977	14.0	45	96	69.8
3	8.75	SMITH	XZ616W	JJV2825	6x14	0.900	N	7,580	8,769	1,189	16.0	40	90	74.3

BIT NO. 3	INNER: 3	OUTER: 2	DULL: BT	LOC: N	SEAL:	GAUGE: 0	OTHER: CT	RP: DMF
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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	85	2480	250	.00176	95	10	169	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	2480	250	0.00176	95	10	169	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Baker TX32062R	8.75		1	7	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
2	Motor-6.75" Slick 7/8 3.1 @ 1.83 (0.18	6.75		24.78	8	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
3	MWD Tool-SHOCKMISER HF	6.75	3.5	3.66	9	Drill Pipe-12 x 5" HWDP	5	3	360.97
4	Monel Collar-NMDC 4.5 IF	6.75	3.812	29.79	10	X-Over-X-O 4 1/2 IF Pin x CET43 Box	5.375	3	3.42
5	Monel Collar-NMDC	6.75	3.25	29.29					
6	X-Over-X-O 4.5 XH x Box 4.5 IF Pin	6.56	3.25	3.4					

DESCRIPTION: BHA #4	BHA WT. AIR: 225	BHA WT. MUD: 215	HRS. ON JARS:
LENGTH: 734.38	P.U. WT.: 260	S.O. WT.: 170	TORQUE: 16
ROT. WT.: 210			

## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
9,030	1.31	179.45	8,970		470.0	580.9	288.3	0.4
9,124	1.23	198.39	9,064		468.0	580.6	286.5	0.5
9,217	1.09	198.45	9,156		466.2	580.0	284.9	0.2
9,310	0.82	225.22	9,249		464.9	579.2	283.9	0.6
9,403	0.80	216.48	9,342		463.9	578.4	283.2	0.1
9,498	0.97	228.40	9,437		462.8	577.4	282.4	0.3
9,592	1.60	216.55	9,531		461.3	576.0	281.3	0.7
9,686	2.09	201.85	9,625		458.6	574.6	279.2	0.7

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed		1,147	14,307
CNG		864	-2,831

## NOTIFICATIONS

[illegible]

[illegible]







# DAILY DRILLING REPORT

RPT DATE: 4/19/2022

RPT NUM.: 9

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H	JOB:	RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM
FIELD: PHANTOM WOLFCAMP	LEASE: UL YELLOWTAIL WEST G 21-29-17 WA	RIG PHONE: 432-355-3112
AFE #: 22DC053	API #: 42-495-34697	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: Unit	ELEVATION: 2763	RKB: 21.5
SPUD DATE: 3/28/2022	DFS: 6.7	DOL: 23
MD/TVD: 10948 FT/10878 FT	24 HR FTG: 1202	HRS DRLG:
PRESENT OPERATIONS: DRILLING INTERMEDIATE		
ACTIVITY PLANNED: TOO H, R/U CASING CREW AND RUN INTERMEDIATE CASING.		

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/18/2022	4/19/2022		TRIPPING PIPE

RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00  
SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022  
SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS  
SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS

00:00- 03:00 ROTATE DRILL 8 3/4" INTERMEDIATE HOLE F/ 10,948' - T/11,280 (332' @ 111 FPH) WOB: 38-45K, GPM: 650, PPSI: 3900, DIFF , 400-600, RPM: 50-70, TORQUE ON: 18,000-19,000 FT/LBS, OFF: 12,000-13,000 FT/LBS, MW IN: 9.4 / OUT: 9.4 PPG, LITHOLOGY: 10,810' MD - 90% LS, -10% SHALE, BACKGROUND GAS:80 UNITS, CONNECTION GAS: 110 UNITS, DRILLING OPEN LOOP, PERIODICALLY SWAP CLOSED LOOP TO CHECK FOR GAINS / LOSSES

03:00 – 05:00 CONDITION AND CIRCULATE MUD, PUMP 2 X 40 BBL HI VIS MARKER SWEEP, PUMP DRILL STRING VOLUME, PUMP SECOND HI VIS MARKER SWEEP, CONTINUE ROTATING AND RECIPROCATING SWEEPS FROM HOLE, PUMP & SPOT 100 BBLs OF WATER LOSS PILL ON BOTTOM, PUMP 40 BBLs 15.3 PPG KMW SLUG  
\*\*1ST SWEEP CALC WASHOUT 2%\*\* 2ND SWEEP CALC WASHOUT 2%

05:00 – 06:00 STRIP OUT OF HOLE FOR 7 5/8" INTERMEDIATE F/ 11,280' - T/ 10,000' FORCE FILLING @ CALC. DISPLACEMENT WITH 15.3PPG KILL MUD, STRIP TO 9 5/8" CASING SHOE, OPEN WELL & FLOW CHECK, WELL STATIC, CONTINUE TRIPPING OUT MONITORING DISP T/F TRIP TANK PUMPING CALC. DISP. ON BACKSIDE WITH 9.3PPG ACTIVE MUD FLOW CHECK WELL PRIOR TO PULLING ROTATING HEAD, WELL STATIC.

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$144,962	CUM DRILL COST:	\$1,062,939	CUM MUD COST:	\$127,855	CUM WELL COST:	\$1,062,939
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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			100	100
Surface	9.63	40-45.5	J55	5,122	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.3	27.0	1.0	12.0	99/0	1	1	1	1	1			0.70	0.80	9,600			

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
5	8.75	BAKER	D507VTWX	5324089	7x14	1.050	N	9,746				40	97.5	
4	8.75	BAKER	D507VTWX	5324999	7x14	0.180	N	8,769	9,746	977	14.0	45	96	69.8
BIT NO. 4		INNER: 7	OUTER: 3	DULL: BT	LOC: N	SEAL: X	GAUGE: I	OTHER: CT	RP: DMF					

## 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	85	4000	350	.00176	95	10	229	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	4000	350	0.00176	95	10	229	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Baker D507VTWX	8.75		1	7	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
2	Motor-7.25" Slick 8/9 4.3 @ 1.83 (0.15 f	7.25		39.2	8	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
3	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	9	Drill Pipe-12 x 5" HWDP	5	3	360.97
4	Monel Collar-NMDC 4.5 IF	6.75	3.812	29.79	10	X-Over-X-O 4 1/2 IF Pin x CET43 Box	5.375	3	3.42
5	Monel Collar-NMDC	6.75	3.25	29.29					
6	X-Over-X-O 4.5 XH x Box 4.5 IF Pin	6.56	3.25	3.4					
DESCRIPTION: BHA # 5									
LENGTH: 748.80		BHA WT. AIR: 220			BHA WT. MUD: 215			HRS. ON JARS:	
ROT. WT.: 210		P.U. WT.: 275			S.O. WT.: 205			TORQUE: 20	

## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
10,247	2.06	191.68	10,185		428.2	587.9	246.2	1.7
10,342	2.32	207.94	10,280		424.8	586.6	243.3	0.7
10,434	1.46	303.19	10,372		423.8	584.8	242.9	3.1
10,529	1.71	283.86	10,467		424.8	582.4	244.5	0.6
10,622	3.47	286.89	10,560		426.0	578.4	246.8	1.9
10,717	5.54	308.26	10,655		429.7	572.0	252.1	2.8
10,811	6.16	303.72	10,748		435.3	564.2	259.6	0.8
10,905	5.01	318.22	10,842		441.1	557.3	267.2	1.9

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed		717	13,590
CNG		1,141	-3,971

## NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	SURFACE CASING AND C	COWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE

PERSONNEL						
Company		Job Function	Total Personnel	Total Daily Hours	Cumulative Hours	
PERCUSSION PETROLEUM		DSM (12 HRS/MAN)	2	24	216	
UNIT DRILLING		1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HR)	13	156	1,404	
AES DRILLING FLUIDS		MUD ENGINEER	1	24	216	
ALTITUDE		2DD'S, 2 MWD HANDS	2	24	216	
STAGE 3		2 SOLID CONTROL HANDS	1	12	96	
www.wellez.com WellEz On Demand ver_02.15.2022 TW						

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# DAILY DRILLING REPORT

RPT DATE: 4/20/2022

RPT NUM.: 10

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H	JOB:	RIG SUPERV: ELWYN EVANS / BRIAN GRESHAM
FIELD: PHANTOM WOLFCAMP	LEASE: UL YELLOWTAIL WEST G 21-29-17 WA	RIG PHONE: 432-355-3112
AFE #: 22DC053	API #: 42-495-34697	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: Unit	ELEVATION: 2763	RKB: 21.5
SPUD DATE: 3/28/2022	DFS: 7.7	DOL: 24
MD/TVD: 11280 FT/11215 FT	24 HR FTG: 332	HRS DRLG: 3
PRESENT OPERATIONS: CIRCULATING TO CEMENT		
ACTIVITY PLANNED: CEMENT FIRST STAGE, CIRCULATE, CEMENT SECOND STAGE, BACK OUT OF LANDING JOINT, NIPPLE DOWN BOP AND INSTALL NIGHT CAP.		

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/20/2022	4/21/2022	None	RUNNING CASING/BUFFER ZONES

SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)

RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022

SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS

RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS

SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS

RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H

RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS

00:00 – 01:00: INDUCE FLOW BY PUMPING 57 BBLS DOWN BACKSIDE. BEGAN FORWARD CIRCULATION WITH RETURNS. 4.5 BPM 451 PSI, 7 BPM @ 909 PSI. CIRCULATE 1.5X CASING CAPACITY.

01:00 – 3:00: CEMENT FIRST STAGE AS FOLLOWS: TEST LINES TO 3500 PSI, PUMP 25 BBLS FRESH WATER SPACER W/ 2.5PPB SODA ASH+1PPB R-1300+0.5 PPB SUSPENDACEM .002+10 PPB ZONE SEAL, FOLLOWED BY LEAD CEMENT: 560 SKS (249.3) POZ+50% CLASS H + 10% GEL + 5% SALT + .04%SUSPENDCEM 6302+ 0.55% FR-5, 0.25PPS POL-E-FLAKE +3PPS GILSONITE +0.005 GPS NO FOAM V1A @ 11.8 PPG, YIELD 2.5 CF/SX, MIX WATER RATIO: 14.16 -GPS PUMPED AT 8 BPM, FOLLOWED BY TAIL: 65 SKS (13.8 BBLS) 100% CLASS H CEMENT W/ 0.1% SUSPENDCEM6302 + 0.2% C-20 + 0.2% C-47B +0.005GPS NO FOAM V1A @ 15.6 PPG, YIELD 1.19, WATER MIX: 5.24-GPS PUMPED @ 4 BPM TO MAINTAIN DENSITY, DROP PLUG AND KICK OUT AND DISPLACED WITH 516 BBLS OF 8.3 FRESHWATER, PUMPED @ 8-10 BPM SLOWING TO 4 BPM PRIOR TO BUMP, FINAL LIFT PRESSURE 2150 PSI, BUMP PLUG @ 2750 PSI, BLEED BACK FLOATS HELD, SHUT DOWN BLEED OFF 6.0 BBLS BACK TO TRUCK

03:00 – 03:30: DROP CONTINGENCY BOMB WAIT 30 MIN FOR BOMB TO DROP, PRESSURE UP TO 620 PSI, OPEN DV TOOL.

03:30 – 06:00: SWAP LINE TO STANDPIPE. CIRCULATE AT 3-6 BMP TO MAINTAIN BBL IN, BBL OUT.

NOTE: CIRCULATED OUT 50 BBLS OF CEMENT ABOVE DV TOOL.

GAS/DIESEL USAGE: 60% CNG/40% DIESEL

LAST B.O.P TEST: 4-9-2022

NO ACCIDENTS, INCIDENTS, OR SPILLS

DOWNTIME 0 HRS (7.5 HRS TOTAL)

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$529,691	CUM DRILL COST:	\$1,599,202	CUM MUD COST:	\$133,273	CUM WELL COST:	\$1,599,202
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## BOP

LAST BOP TEST:	4/9/22	LAST BOP DRILL:	4/20/22	NEXT BOP TEST:	4/30/22
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## CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	16.00			100	100
Surface	9.63	40-45.5	J55	5,122	
Intermediate	7.63	29.7	HCL-80	11,261	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
18:00	9.4	28.0	1.0	11.0	1	1	1	1	118,000		0.30	0.40				

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
5	8.75	BAKER	D507VTWX	5324089	7x14	1.050	N	9,746	11,280	1,534	17.0	40	97.5	90.2
4	8.75	BAKER	D507VTWX	5324999	7x14	0.180	N	8,769	9,746	977	14.0	45	96	69.8

BIT NO. 5	INNER: 1	OUTER: 1	DULL: WT	LOC: A	SEAL: X	GAUGE: I	OTHER: NO	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	85	4000	350	.00176	95	10	229	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	4000	350	0.00176	95	10	229	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Baker D507VTWX	8.75		1	7	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
2	Motor-7.25" Slick 8/9 4.3 @ 1.83 (0.15 f	7.25		39.2	8	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
3	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	9	Drill Pipe-12 x 5" HWD	5	3	360.97
4	Monel Collar-NMDC 4.5 IF	6.75	3.812	29.79	10	X-Over-X-O 4 1/2 IF Pin x CET43 Box	5.375	3	3.42
5	Monel Collar-NMDC	6.75	3.25	29.29					
6	X-Over-X-O 4.5 XH x Box 4.5 IF Pin	6.56	3.25	3.4					

DESCRIPTION: BHA # 5

LENGTH: 748.80

ROT. WT.: 235

BHA WT. AIR: 245

P.U. WT.: 245

BHA WT. MUD: 235

S.O. WT.: 225

HRS. ON JARS:

TORQUE: 19

## SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
10,717	5.54	308.26	10,655		429.7	572.0	252.1	2.8
10,811	6.16	303.72	10,748		435.3	564.2	259.6	0.8
10,905	5.01	318.22	10,842		441.1	557.3	267.2	1.9
10,999	4.21	316.30	10,936		446.7	552.2	274.0	0.9
11,093	4.19	310.08	11,029		451.4	547.2	279.9	0.5
11,186	4.14	304.29	11,122		455.5	541.8	285.3	0.5
11,216	3.88	304.31	11,152		456.6	540.1	286.9	0.9
11,280	3.88	304.31	11,216		459.1	536.5	290.3	

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed		1,162	12,428
CNG		467	-4,439

NOTIFICATIONS						
Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	SURFACE CASING AND CEMENTING	CROWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE
4/20/2022	8:30	ATE CASING AND CEMENTING	CROWNES/BLODGETT	TRRC	GABBY	INTERMEDIATE CASING AND CEMENT NOTICE, JOB # 294822

  

PERSONNEL					
Company	Job Function	Total Personnel	Total Daily Hours	Cumulative Hours	
PERCUSSION PETROLEUM	DSM (12 HRS/MAN)	2	24	240	
UNIT DRILLING	1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HRS)	13	156	1,560	
AES DRILLING FLUIDS	MUD ENGINEER	1	24	240	
ALTITUDE	2DD'S, 2 MWD HANDS	2	24	240	
STAGE 3	2 SOLID CONTROL HANDS	1	12	108	
4 STAR CASING CREW	CASING CREW	4	40	88	
WTC	CEMENTERS	5	10	70	
OSP	TOOL HAND	1	10	22	

  

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FROM	TO	HRS	PHASE	CODE	NPT	FROM	TO	OPERATIONS
00:00	03:00	3.0	INTERMEDIATE DRILLING - V	DRILLING		10948	11280	ROTATE DRILL 8 3/4" INTERMEDIATE HOLE F/ 10,948' - T/11,280 (332' @ 111 FPH) WOB: 38-45K, GPM: 650, PPSI: 3900, DIFF , 400-600, RPM: 50-70, TORQUE ON: 18,000-19,000 FT/LBS, OFF: 12,000-13,000 FT/LBS, MW IN: 9.4 / OUT: 9.4 PPG, LITHOLOGY: 10,810' MD - 90% LS,-10% SHALE, BACKGROUND GAS:80 UNITS, CONNECTION GAS: 110 UNITS, DRILLING OPEN LOOP, PERIODICALLY SWAP CLOSED LOOP TO CHECK FOR GAINS / LOSSES
03:00	05:00	2.0	INTERMEDIATE CASING		COND MUD & CIRC	11280	11280	CONDITION AND CIRCULATE MUD, PUMP 2 X 40 BBL HI VIS MARKER SWEEP, PUMP DRILL STRING VOLUME, PUMP SECOND HI VIS MARKER SWEEP, CONTINUE ROTATING AND RECIPROCATING SWEEPS FROM HOLE, PUMP & SPOT 100 BBLs OF WATER LOSS PILL ON BOTTOM, PUMP 40 BBLs 15.3 PPG KMW SLUG **1ST SWEEP CALC WASHOUT 2%** 2ND SWEEP CALC WASHOUT 2%
05:00	10:00	5.0	INTERMEDIATE CASING		TRIPS	11280	11280	STRIP OUT OF HOLE FOR 7 5/8" INTERMEDIATE F/ 11,280' - T/ 5045' FORCE FILLING @ CALC. DISPLACEMENT WITH 15.3PPG KILL MUD, STRIP TO 9 5/8" CASING SHOE, OPEN WELL & FLOW CHECK, WELL STATIC, CONTINUE TRIPPING OUT MONITORING DISP T/F TRIP TANK PUMPING CALC. DISP. ON BACKSIDE WITH 9.3PPG ACTIVE MUD FLOW CHECK WELL PRIOR TO PULLING ROTATING HEAD, WELL STATIC.
10:00	11:00	1.0	INTERMEDIATE CASING		TRIPS	11280	11280	L/U DIRECTIONAL TOOLS FOR BHA #5 AS FOLLOWS: BIT#5 AS FOLLOWS: BIT #4- 8 -3/4" BAKER D507VTWX W/ -7 14'S, TFA 1.05. SN# 5324089, 7" MOTOR 7/8, 3.1 STG, ADJ SET AT 1.83" 0.18 REV/GAL MAX TRQ 10,704 MAX DIFF 800. BIT TO BEND: 4.16', KICK PAD 7.19",1- 6.75" UBHO, 2 - 6.75" NMDC, X/O, 9-6.5" DC, X/O, 12-5" HWDP
11:00	11:30	0.5	INTERMEDIATE CASING		OTHER	11280	11280	PULL WEAR BUSHING AND PREP FLOOR TO RUN CASING
11:30	12:30	1.0	INTERMEDIATE CASING		RUN CSG & CEMENT	11280	11280	RIG UP 4 STAR CASING TO RUN 7 5/8" CASING

12:30	22:00	9.5	INTERMEDIATE CASING	RUN CSG & CEMENT		11280	11280	MAKE UP SHOE TRACK & THREAD LOCK, CHECK FLOATS (OK), RUN 7 5/8", 29.7#, HCL-80, BTC SC CASING AS FOLLOWS SHOE TO BE SET AT 11,261', 2 JOINTS OF CASING, FLOAT COLLAR TO BE SET AT 11,170', CONTINUE RUNNING 139 JTS CSG, DV SET @ 5,022', CONTINUE RUNNING 112 JTS OF CASING, CENTRALIZERS 1&2 JT AND EVERY FOURTH TO JT 139 AND ABOVE AND BELOW DV TOOL, P/U & M/U LANDING JOINT WITH MANDREL W/ TORQUE RING, MAKE UP LANDING JOINT WITH CACTUS HAND. FILL PIPE, INSTALL PRE INSTALLED CASING STRIPPING RUBBER & LAND OUT CASING WITH 182K ST WT. VERIFIED AND RECIPROCATED x2 FILL PIPE ON FLY WITH FILL UP HOSE, MONITORING FLOW ON TRIP TANK, BTC SC CASING RAN FROM 4978' TO 11261', BTC RAN FROM SURFACE TO 4978'
22:00	22:30	0.5	INTERMEDIATE CASING	RUN CSG & CEMENT		11280	112810	RIG DOWN CASING CREW AND RIG UP CEMENT HEAD FOR CIRCULATING.
22:30	00:00	1.5	INTERMEDIATE CASING	COND MUD & CIRC		11280	11280	INDUCE FLOW BY PUMPING 57BBLs DOWN BACKSIDE. BEGAN FORWARD CIRCULATION WITH RETURNS. 4.5 BPM 451 PSI, 7 BPM @ 909 PSI. CIRCULATE 1.5X CASING CAPACITY.
TOTAL HRS	24.0							

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# DAILY DRILLING REPORT

RPT DATE: 4/21/2022

RPT NUM.: 11

RIG: 407

## WELL/JOB INFORMATION

WELL NAME: UL YELLOWTAIL WEST G 21-29-17 WA 7H	JOB:	RIG SUPERV: CHRIS BLODGETT / BRIAN GRESHAM
FIELD: PHANTOM WOLFCAMP	LEASE: UL YELLOWTAIL WEST G 21-29-17 WA	RIG PHONE: 432-355-3112
AFE #: 22DC053	API #: 42-495-34697	EMAIL: UNIT407@PERCUSSIONPETROLEUM.CO
CONTRACTOR: Unit	ELEVATION: 2763	RKB: 21.5
SPUD DATE: 3/28/2022	DFS: 8.1	DOL: 25
MD/TVD: 11280 FT/11215 FT	24 HR FTG:	HRS DRLG:
PRESENT OPERATIONS: RIG RELEASED TO UL YELLOWTAIL D 21-29-17 TB 4H		
ACTIVITY PLANNED: RIG RELEASED TO UL YELLOWTAIL D 21-29-17 TB 4H		

## COMMENTS

Last Safety Meeting Date	Next Safety Meeting Date	Accident Type	Safety Meeting Topic
4/20/2022	4/21/2022	None	RUNNING CASING/BUFFER ZONES

RIG RELEASED OFF PAHASKA 21-6 S004H 3/20/2022 03:00  
SPUD UL YELLOWTAIL H 21-29-17 WB 8H ON 3/25/2022 @ 03:00 HRS (TOTAL RIG MOVE 5 DAYS 0 HRS)  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H @ 18:30 HRS, 03/27/2022  
SPUD UL YELLOWTAIL G 21-29-17 WA 7H ON 3/28/2022 @ 01:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 3/30/2022 @ 10:30 HRS  
SPUD UL YELLOWTAIL G 21-29-17 WB 5H ON 3/30/2022 @ 20:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL E 21-29-17 WA 5H 4/08/2022 @ 20:00 H  
RIG RELEASED OFF UL YELLOWTAIL H 21-29-17 WB 8H 4/15/2022 @ 16:30 HRS  
RIG RELEASED OFF UL YELLOWTAIL G 21-29-17 WA 7H 4/21/2022 @ 11:00 HRS  
TRANSFERRED 12,000 GALS OF FUEL TO UL YELLOWTAIL D 21-29-17 TB 4H

GAS/DIESEL USAGE: 60% CNG/40% DIESEL

LAST B.O.P TEST: 4-9-2022

NO ACCIDENTS, INCIDENTS, OR SPILLS

DOWNTIME 0 HRS (7.5 HRS TOTAL)

NON-PRODUCTIVE TIME, 0 HRS (0 HRS TOTAL)

## COST DATA

DRILLING AFE AMT:	DAILY DRILL COST:	\$131,797	CUM DRILL COST:	\$1,730,999	CUM MUD COST:	\$138,049	CUM WELL COST:	\$1,730,999
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## BOP

LAST BOP TEST:	4/9/22	LAST BOP DRILL:	4/20/22	NEXT BOP TEST:	4/30/22
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## CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	16.00			100	100
Surface	9.63	40-45.5	J55	5,122	
Intermediate	7.63	29.7	HCL-80	11,261	

## MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
6:00	9.4	28.0	1.0	11.0	.1	1	1	1	118,000		0.30	0.40				

## DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
5	8.75	BAKER	D507VTWX	5324089	7x14	1.050	N	9,746	11,280	1,534	17.0	40	97.5	90.2
4	8.75	BAKER	D507VTWX	5324999	7x14	0.180	N	8,769	9,746	977	14.0	45	96	69.8

BIT NO. 5	INNER: 1	OUTER: 1	DULL: WT	LOC: A	SEAL: X	GAUGE: I	OTHER: NO	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	85	4000	350	.00176	95	10	229	394		1609
2	WEATHERFORD	EQ-2200	5.000	12.000	85	4000	350	0.00176	95	10	229	394		1609

## BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit 8.75" Baker D507VTWX	8.75		1	7	Drill Collar-9 X 6 1/2" Drill Collar	6.5	2.625	274.57
2	Motor-7.25" Slick 8/9 4.3 @ 1.83 (0.15 f	7.25		39.2	8	X-Over-X-O 4 1/2 IF Box x 4 1/2 XH Pin	6.5	2.5	3.5
3	Shock Sub-SHOCKMISER HF	6.75	3.5	3.66	9	Drill Pipe-12 x 5" HWD	5	3	360.97
4	Monel Collar-NMDC 4.5 IF	6.75	3.812	29.79	10	X-Over-X-O 4 1/2 IF Pin x CET43 Box	5.375	3	3.42
5	Monel Collar-NMDC	6.75	3.25	29.29					
6	X-Over-X-O 4.5 XH x Box 4.5 IF Pin	6.56	3.25	3.4					

DESCRIPTION: BHA # 5

LENGTH: 748.80

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
10,717	5.54	308.26	10,655		429.7	572.0	252.1	2.8
10,811	6.16	303.72	10,748		435.3	564.2	259.6	0.8
10,905	5.01	318.22	10,842		441.1	557.3	267.2	1.9
10,999	4.21	316.30	10,936		446.7	552.2	274.0	0.9
11,093	4.19	310.08	11,029		451.4	547.2	279.9	0.5
11,186	4.14	304.29	11,122		455.5	541.8	285.3	0.5
11,216	3.88	304.31	11,152		456.6	540.1	286.9	0.9
11,280	3.88	304.31	11,216		459.1	536.5	290.3	

## CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel - Dyed		428	12,000
CNG			-4,439

## NOTIFICATIONS

Date	Time	Type	Engineer / Supervisor	Agency	Agency Contact	Comments
3/27/2022	13:00	SURFACE CASING AND CEMENT	OWNES/BLODGETT	TRRC	AUDRY OP#2	SPUD, SURFACE CASING AND CEMENT NOTICE
4/20/2022	8:30	ATE CASING AND CEMENT	OWNES/BLODGETT	TRRC	GABBY	INTERMEDIATE CASING AND CEMENT NOTICE, JOB # 294822

## PERSONNEL

Company	Job Function	Total Personnel	Total Daily Hours	Cumulative Hours
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PERCUSSION PETROLEUM	DSM (12 HRS/MAN)	2	24	264	
UNIT DRILLING	1 RIG MANAGER (24 HRS), 6 MAN CREWS (12 HRS)	13	156	1,716	
AES DRILLING FLUIDS	MUD ENGINEER	1	24	264	
ALTITUDE	2DD'S, 2 MWD HANDS	2	24	264	
STAGE 3	2 SOLID CONTROL HANDS	1	12	120	
WTC	CEMENTERS	5	10	80	
OSP	TOOL HAND	1	10	32	
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FROM	TO	HRS	PHASE	CODE	NPT	FROM	TO	OPERATIONS
00:00	01:00	1.0	INTERMEDIATE CASING	COND MUD & CIRC		11280	11280	INDUCE FLOW BY PUMPING 57BBLs DOWN BACKSIDE. BEGAN FORWARD CIRCULATION WITH RETURNS. 4.5 BPM 451 PSI, 7 BPM @ 909 PSI. CIRCULATE 1.5X CASING CAPACITY.
01:00	03:00	2.0	INTERMEDIATE CASING	RUN CSG & CEMENT		11280	11280	CEMENT FIRST STAGE AS FOLLOWS: TEST LINES TO 3500 PSI, PUMP 25 BBLs FRESH WATER SPACER W/ 2.5PPB SODA ASH+1PPB R-1300+0.5 PPB SUSPENDACEM .002+10 PPB ZONE SEAL, FOLLOWED BY LEAD CEMENT: 560 SKS (249.3) POZ+50% CLASS H + 10% GEL + 5% SALT + .04%SUSPENDCEM 6302+ 0.55% FR-5, 0.25PPS POL-E-FLAKE +3PPS GILSONITE +0.005 GPS NO FOAM V1A @ 11.8 PPG, YIELD 2.5 CF/SX, MIX WATER RATIO: 14.16 -GPS PUMPED AT 8 BPM, FOLLOWED BY TAIL: 65 SKS (13.8 BBLs) 100% CLASS H CEMENT W/ 0.1% SUSPENDCEM6302 + 0.2% C-20 + 0.2% C-47B +0.005GPS NO FOAM V1A @ 15.6 PPG, YIELD 1.19, WATER MIX: 5.24-GPS PUMPED @ 4 BPM TO MAINTAIN DENSITY, DROP PLUG AND KICK OUT AND DISPLACED WITH 516 BBLs OF 8.3 FRESHWATER, PUMPED @ 8-10 BPM SLOWING TO 4 BPM PRIOR TO BUMP, FINAL LIFT PRESSURE 2150 PSI, BUMP PLUG @ 2750 PSI, BLEED BACK FLOATS HELD, SHUT DOWN BLEED OFF 6.0 BBLs BACK TO TRUCK
03:00	03:30	0.5	INTERMEDIATE CASING	OTHER		11280	11280	DROP CONTINGENCY BOMB. WAIT 30 MIN FOR BOMB TO DROP, PRESSURE UP TO 620 PSI, OPEN DV TOOL.
03:30	06:30	3.0	INTERMEDIATE CASING	COND MUD & CIRC		11280	11280	SWAP LINE TO STANDPIPE. CIRCULATE AT 3-6 BMP TO MAINTAIN BBL IN BBL OUT.  NOTE: CIRCULATED OUT 50 BBLs OF CEMENT ABOVE DV TOOL.
06:30	08:00	1.5	INTERMEDIATE CASING	RUN CSG & CEMENT		11280	11280	CEMENT SECOND STAGE AS FOLLOWS: TEST TO 3000 PSI, PUMP 20 BBLs FRESH WATER SPACER, 300 SKS 50/50 CLASS H CLASS C (133 BBLs) + 10% GEL + 5% SALT + .04%SUSPENDCEM 6302+ 0.2%C-20 +0.25PPS POL-E-FLAKE +3PPS GILSONITE +0.005 GPS NO FOAM V1A @ 11.8 PPG, YIELD 2.49 CF/SX, MIX WATER:14.15 -GPS PUMPED AT 5 BPM, FOLLOWED BY TAIL: 55 SX (13BBLs) CLASS C + 0.005GPS NOFOAM V1A, DROPPED PLUG, DISPLACED WITH 230 BBLs FRESH WATER, FCP 840 PSI @ 4BPM, BUMPED UP TO 2800PSI, BLEED BACK 5 BBLs, D/V TOOL CLOSED AND HOLDING, SURFACE CALCULATED CEMENT TOP 543', RIG DOWN CEMENTERS

08:00	09:00	1.0	INTERMEDIATE CASING	RUN CSG & CEMENT		11280	11280	BACK OUT OF LANDING JOINT, L/D CASING ELEVATORS AND BELLS. PICK UP 5" ELEVATORS AND A JOINT OF 5" DP. MAKE UP PACK OFF, INSTALL AND TEST TO 5,000" PSI FOR 5 MIN AND 20K PULL TEST (GOOD TEST)
09:00	11:00	2.0	INTERMEDIATE CASING	OTHER		11280	11280	NIPPLE DOWN BOP AND INSTALL NIGHT CAP. RIG RELEASE @ 4/21/2022 11:00.
TOTAL HRS		11.0						