

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 1.0	Depth Progress (ft) 1,125.00	Cum Time Log Sp (days) 0.42	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 631,035	Cum Field Est To Date (Cost) 631,035
Start Depth (ftKB) 110.0	End Depth (ftKB) 1,235.0	Start Depth (TVD) (ftKB) 110.0	End Depth (TVD) (ftKB) 1,234.9
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 0.00
Time Log - Problem Hours (hr) 12.50	Cum Up Time - Down Time (hr) 12.50		

Operations at Report Time SUSPEND RIG OPS	Operations Next Report Period SEE UL GENE PARMESAN 9UA REPORTS
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Operations Summary  
WALK RIG TO UL GENE PARMESAN 1H, LATCH ONTO DIRECTIONAL TOOLS AND TAG @110', DRILL SURFACE F/110' TO 1235', CIRCULATE HOLE CLEAN, POOH AND RACK BACK DIRECTIONAL TOOLS, RUN SURFACE CASING TO 1215', CIRCULATE CASING VOLUMES, BACK OUT LANDING JOINT AND PREPARE TO SKID RIG, CEMENT SURFACE CASING OFFLINE AS PER COMPANY PROGRAM, TEST CASING TO 1,000 PSI, DRESS OUT WELLHEAD AND SET TA CAP

HSE Risk  
PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, MAKING CONNECTIONS, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, SUSPENDED LOADS, WORKING WITH THIRD PARTY HANDS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
12:30	14:30	2.00	1	RU/RD	PREPARE RIG AND WALK F/GENE PARMASEN 10UA TO #1H
14:30	15:00	0.50	94	P/U BHA	LATCH ONTO DIRECTIONAL TOOLS. TAG AT 110'
15:00	20:00	5.00	2	Drilling	DRILL F/110' TO 1235' (WOB-40, RPM-80, GPM-815, ROP-X)
20:00	20:30	0.50	5	Circ/Cond	CIRCULATE AROUND 50 BBL HIGH VIS SWEEP
20:30	21:45	1.25	6	Trip	POOH AND RACK BACK DIRECTIONAL TOOLS
21:45	22:30	0.75	12	CSG & CMT	HELD PJSM AND RIGGED UP CASING CREW
22:30	00:00	1.50	12	CSG & CMT	RUN 10 3/4" CASING TO 1181', WASHED LAST JOINT DOWN AND LANDED @ 1215'
00:00	00:30	0.50	12	CSG & CMT	CIRCULATE 1.5X CASING CAPACITY WHILE RIGGING DOWN BUTCH'S CASING CREW AND CRT
00:30	01:00	0.50	12	CSG & CMT	BACK OUT LANDING JOINT, (PJSM) PREPARE RIG FOR RIG SKID TO UL GENE PARMESAN #10UA
01:00	03:30	2.50	12	CSG & CMT	R/U CEMENT HEAD AND TEST LINES TO 3500 PSI, PUMP 30 BBLs OF FRESH WATER SPACER WITH BLUE DYE, PUMP 341 SKS-119 BBLs OF 12.0# LEAD CEMENT, PUMP 265 SKS-63 BBLs OF 14.8# TAIL CEMENT, DROPPED PLUG AND DISPLACED WITH 110 BBLs OF FRESH WATER, BUMPED PLUG WITH 470 PSI AND INCREASED PRESSURE TO 1110 PSI, RELEASED PRESSURE AND GOT BACK 1/2 BBL, FLOATS HELD, HAD FULL RETURNS THROUGHOUT JOB, CIRCULATED 120 BBLs OF CEMENT TO SURFACE.
03:30	04:00	0.50	92	Testing	TEST CASING TO 1000 PSI FOR 30 MINUTES
04:00	06:00	2.00	12	CSG & CMT	R/D CEMENT HEAD AND LINES, PULL OFF WELLHEAD ADAPTER FOR FOR OFFLINE CEMENT, R/D CELLAR PUMP, INSTALL THREAD RING AND DRESS OUT WELLHEAD, SET TA CAP

**Mud Checks**

Time 19:00	Type WBM	Depth (ftKB) 928.0	Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1	Gel 10 min (lb/100ft²) 1	Gel 30 min (lb/100ft²) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 1	pH 8.0	Solids (%) 3.2
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 96.8	Chlorides (mg/L) 5,700	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
845.00	0.87	233.03	844.93	-10.42	-5.56	-9.23	0.17	-0.16	4.19
935.00	0.44	230.60	934.92	-11.37	-6.19	-10.04	0.48	-0.48	-2.70
1,025.00	0.44	252.18	1,024.92	-12.04	-6.52	-10.64	0.18	0.00	23.98
1,116.00	0.40	277.40	1,115.91	-12.68	-6.58	-11.28	0.21	-0.04	27.71
1,178.00	0.63	256.79	1,177.91	-13.22	-6.63	-11.83	0.47	0.37	-33.24

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	3	2/1/2024	0	2/2/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 2.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 0.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 119,487	Cum Field Est To Date (Cost) 750,522		
Start Depth (ftKB) 1,235.0	End Depth (ftKB) 1,235.0	Start Depth (TVD) (ftKB) 1,234.9	End Depth (TVD) (ftKB) 1,234.9	Target Depth (ftKB) 22,612	Target Formation Wolfcamp
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 0.00	Time Log - Problem Hours (hr) 8.00	Cum Up Time - Down Time (hr) 20.50

Operations at Report Time TIH WITH 9 7/8" INTERMEDIATE ASSEMBLY	Operations Next Report Period TIH AND DRILL OUT SURFACE SHOE TRACK, DRILL INTERMEDIATE SECTION
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Operations Summary  
PREPARE RIG AND WALK RIG TO UL GENE PARMESAN 1H. NIPPLE UP AND TEST BOP. INSTALL WEAR BUSHING AND PREPARE TO P/U BHA. P/U 9 7/8" INTERMEDIATE ASSEMBLY AND TIH.

HSE Risk  
PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, SUSPENDED LOADS, HIGH PRESSURE LINES, HANDLING BHA, TRIPPING PIPE, WORKING WITH THIRD PARTY HANDS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
22:00	23:00	1.00	93	Skid	PREPARE RIG AND WALK RIG FROM UL GENE PARMESAN 9UA TO UL GENE PARMESAN 1H. CENTER RIG OVER WELL.
23:00	01:30	2.50	14	RU/RD BOP	N/U BOP'S, HOOK UP CHOKE LINE AND FLOWLINE. SET IN PIPECAT AND MOUSEHOLE. ENSURE TURNBUCKLES ARE CONNECTED.
01:30	02:45	1.25	15	Test BOP	INSTALL TEST PLUG, FILL STACK WITH WATER, TEST BOP TO 250L-5000H.
02:45	03:45	1.00	23	Other	CLEAR FLOOR AND INSTALL WEAR BUSHING. CHANGE OUT ST-80 DIES.
03:45	05:00	1.25	94	P/U BHA	P/U 9 7/8" DIRECTONAL BHA, ORIENT AND INSTALL MWD TOOL, TEST SAME.
05:00	06:00	1.00	6	Trip	TIH WITH 9 7/8" INTERMEDIATE ASSEMBLY

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	5	2/10/2024	0	2/10/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 3.0	Depth Progress (ft) 5,393.00	Cum Time Log Sp (days) 1.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 81,155	Cum Field Est To Date (Cost) 831,676
Start Depth (ftKB) 1,235.0	End Depth (ftKB) 6,628.0	Start Depth (TVD) (ftKB) 1,234.9	End Depth (TVD) (ftKB) 6,567.3
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 0.00
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 44.50	

**Operations at Report Time**

DRILLING AHEAD @ 6628' Operations Next Report Period  
DRILL INTERMEDIATE SECTION

**Operations Summary**

FINISH TRIPPING IN THE HOLE, DRILL OUT SURFACE SHOE TRACK, DRILL INTERMEDIATE SECTION F/1235" TO 6628', 5393' TOTAL DRILLED IN 22 HRS, AVERAGED 245' FPH, MADE 15 SLIDES FOR 433' TO MAINTAIN ANGLE AND DIRECTION, LAST SURVEY @ 6566' 0.79 INC 332.01 AZM, CURRENTLY 55' BEHIND AND 46' RIGHT, DISPLACED FROM BRINE TO ENERLITE AT 5300'.

**HSE Risk**

PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, SUSPENDED LOADS, HANDLING BHA, TRIPPING PIPE, MIXING CHEMICALS, MAKING CONNECTIONS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	06:30	0.50	6	Trip	FINISH TIH TO 1,170
06:30	07:30	1.00	3	Reaming	DRILL SHOE TRACK F/1,170' TO 1,215'. CONTINUE TO REAM ORIGINAL HOLE F/1,215' TO 1,235'
07:30	08:00	0.50	23	Other	INSTALL ROTATING HEAD
08:00	06:00	22.00	2	Drilling	DRILL F/1,235' TO 6628 (WOB-55/65, RPM-70, GPM-815, ROP-245) DISPLACED FROM BRINE TO ENERLITE MUD AT 5300' MADE 15 SLIDES FOR 433'

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
08:00	EnerLITE	1,334.0	9.50	28	1.0	3.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.0	7.4
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	92.6	110,000	0.000		
18:00	EnerLITE	3,613.0	9.80	28	1.0	3.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.2	9.7
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	90.3	112,000	0.000		

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
6,189.00	0.58	317.18	6,128.30	-620.65	-49.37	-632.18	0.04	-0.04	-0.29
6,283.00	0.70	315.38	6,222.29	-621.14	-48.61	-632.91	0.13	0.13	-1.91
6,378.00	0.72	327.00	6,317.28	-621.58	-47.70	-633.64	0.15	0.02	12.23
6,472.00	0.68	331.70	6,411.28	-621.87	-46.71	-634.23	0.07	-0.04	5.00
6,566.00	0.80	341.71	6,505.27	-622.01	-45.60	-634.70	0.19	0.13	10.65

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	7	2/11/2024	0	2/11/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 4.0	Depth Progress (ft) 2,543.00	Cum Time Log Sp (days) 2.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 79,299	Cum Field Est To Date (Cost) 910,975
Start Depth (ftKB) 6,628.0	End Depth (ftKB) 9,171.0	Start Depth (TVD) (ftKB) 6,567.3	End Depth (TVD) (ftKB) 9,109.0
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 2.00	Cum Problem Time Hours (hr) 2.00	Percent Problem Time (%) 8.33	Cum Percent Problem Time (%) 2.92
Time Log - Problem Hours (hr) 22.00		Cum Up Time - Down Time (hr) 66.50	

Operations at Report Time POOH FOR BIT	Operations Next Report Period DRILL INTERMEDIATE SECTION
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Operations Summary  
DRILL INTERMEDIATE SECTION F/6628' TO 9171', 2543' TOTAL DRILLED IN 20.5 HRS, AVERAGED 124' FPH, MADE 1 SLIDES FOR 12' TO MAINTAIN ANGLE AND DIRECTION, LAST SURVEY @ 9015' 2.73 INC 230.23 AZM, CURRENTLY 5' AHEAD AND 25' LEFT, POOH FOR BIT DUE TO LOW ROP, HAD 2 HRS OF NPT WORKING ON MUD PUMPS

HSE Risk  
PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, SUSPENDED LOADS, TRIPPING PIPE, MIXING CHEMICALS, MAKING CONNECTIONS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	15:30	9.50	2	Drilling	DRILL F/6,628' TO 8138' (WOB-65, RPM-80, GPM-815, ROP-159) DISPLACE ENERLITE MUD BACK TO CUT BRINE AT 7,400'.
15:30	16:00	0.50	7	Service Rig	SERVICE RIG
16:00	00:45	8.75	2	Drilling	DRILL F/8138' TO 8987' (WOB-65, RPM-80, GPM-815, ROP-97)
00:45	01:45	1.00	5	Circ/Cond	CIRCULATE WHILE CHANGING OUT LINER AND SWAB ON #2 MUD PUMP #3 BAY
01:45	03:00	1.25	2	Drilling	DRILL F/8987' TO 9107' (WOB-65, RPM-80, GPM-815, ROP-96)
03:00	04:00	1.00	5	Circ/Cond	CIRCULATE WHILE CHANGING OUT LINER AND SWAB ON #2 MUD PUMP #1 BAY
04:00	05:00	1.00	2	Drilling	DRILL F/9107' TO 9171' (WOB-65, RPM-80, GPM-815, ROP-64)
05:00	06:00	1.00	6	Trip	CHECK FLOW, PUMP SLUG, POOH FOR BIT DUE TO LOW ROP

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lbf/100ft²)
18:00	WBM	7,007.0	8.90	40	3.0	2.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.7	8.1
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	46.0	45.9	167,000	0.000		
20:00	WBM	8,551.0	9.80	29	1.0	3.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.0	9.7
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	90.3	110,000	0.000		

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
8,639.00	2.15	225.94	8,577.58	-655.04	-61.00	-664.61	0.18	0.17	1.34
8,733.00	2.34	227.53	8,671.51	-658.32	-63.52	-667.30	0.21	0.20	1.69
8,827.00	3.17	229.17	8,765.40	-662.41	-66.51	-670.68	0.89	0.88	1.74
8,921.00	2.98	229.79	8,859.26	-667.01	-69.79	-674.51	0.21	-0.20	0.66
9,015.00	2.69	230.01	8,953.15	-671.26	-72.78	-678.07	0.31	-0.31	0.23

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	9	2/12/2024	0	2/12/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 5.0	Depth Progress (ft) 837.00	Cum Time Log Sp (days) 3.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 137,100	Cum Field Est To Date (Cost) 1,048,075
Start Depth (ftKB) 9,171.0	End Depth (ftKB) 10,008.0	Start Depth (TVD) (ftKB) 9,109.0	End Depth (TVD) (ftKB) 9,944.5
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 8.75	Cum Problem Time Hours (hr) 10.75	Percent Problem Time (%) 36.46	Cum Percent Problem Time (%) 11.62
Time Log - Problem Hours (hr) 15.25		Cum Up Time - Down Time (hr) 81.75	

Operations at Report Time WAIT ON FISHING TOOLS	Operations Next Report Period TIH WITH FISHING TOOLS
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Operations Summary  
 POOH FOR BIT, CHANGE OUT BIT, TIH TO SHOE, SLIP & CUT DRILL LINE, TIH TO 9171', DRILL INTERMEDIATE SECTION F/9171' TO 10,008', 837' TOTAL DRILLED IN 5.75 HRS, AVERAGED 146' FPH, LAST SURVEY @ 9944' 6.37 INC 356.27 AZM, CURRENTLY 11' AHEAD AND 8' LEFT. PRESSURED UP AND PULLED TIGHT AFTER MAKING CONNECTION. WORK PIPE AND REAM THROUGH SEVERAL TIMES, STILL UNABLE TO DRILL DUE TO DIFF PRESSURE, POOH TO INSPECT MOTOR. LOST BOTTOM PART OF THE MOTOR (BEARING SECTION) AND THE ROTOR. WAIT ON FISHING TOOLS.

HSE Risk  
 PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, PRESSURE WASHING, TRIPPING PIPE, HANDLING BHA, MIXING CHEMICALS, MAKING CONNECTIONS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	09:00	3.00	6	Trip	POOH F/7700' TO BHA
09:00	09:45	0.75	95	L/D BHA	L/D SHOCK SUB, DRAIN MOTOR AND BREAK BIT
09:45	10:00	0.25	94	P/U BHA	P/U NEW BIT
10:00	11:00	1.00	6	Trip	TIH TO 1215'
11:00	12:00	1.00	9	Cut Drill Line	SLIP & CUT DRILL LINE (12 WRAPS - 114') CALIBRATE OMRON SET POINTS
12:00	15:30	3.50	6	Trip	CONTINUE TO TIH TO 9171'
15:30	21:15	5.75	2	Drilling	DRILL F/9171' TO 10,008' (WOB-65, RPM-90, GPM-715, ROP-146)
21:15	22:15	1.00	5	Circ/Cond	AFTER MAKING A CONNECTION, SURVEY SHOWED ANGLE INCREASED 3.5 DEGREES IN ROTATION. WHILE TRYING TO GET TO BOTTOM TO START DRILLING, THE PRESSURE AND TORQUE RAPIDLY STARTED INCREASING. PICKED UP OFF BOTTOM 10' AND PIPE PULLED TIGHT. RACKED BACK STAND TO BE ABLE TO WORK PIPE AND GET PIPE FREE. OFF BOTTOM PRESSURE AND TORQUE REMAINED THE SAME 15' ABOVE BOTTOM. TRIED REAMING BACK TO BOTTOM, BUT PRESSURE AND TORQUE CONTINUED TO INCREASE ABOVE MAX PARAMETERS. CONTINUED REAMING HOLE SEVERAL TIMES UNTIL ABLE TO GET TO BOTTOM. MAKE CONNECTION WITH STAND RACKED BACK IN ATTEMPT TO START DRILLING AGAIN. UNABLE TO DRILL DUE TO DIFF INCREASE WHEN TAGGING BOTTOM.
22:15	03:00	4.75	6	Trip	PUMP SLUG AND POOH TO BHA.
03:00	04:00	1.00	95	L/D BHA	PULL MWD TOOL, L/D DIRECTIONAL TOOLS. LOST BOTTOM PART OF MOTOR (BEARING SECTION) AND ROTOR. LEFT 9.25' OF MOTOR AND 23' OF ROTOR STICKING UP. TOP OF FISH IS 9,999' WITH ROTOR AT 9,976'
04:00	04:30	0.50	23	Other	CLEAR RIG FLOOR, TAKE PICTURES AND RETRIEVE TECHNICAL DATA FOR FISHING JOB.
04:30	06:00	1.50	19	Fishing	WAITING ON FISHING TOOLS.

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lbf/100ft²)
06:00	WBM	9,171.0	9.80	28	1.0	3.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.0	9.7
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	90.3	118,000	0.000		
20:00	WBM	9,756.0	9.90	28	1.0	3.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	1	8.0	10.5
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	89.5	110,000	0.000		

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
9,473.00	4.15	167.01	9,410.69	-676.37	-88.72	-678.73	2.39	1.19	33.89
9,567.00	4.45	149.22	9,504.43	-675.65	-95.16	-676.10	1.45	0.32	-18.93
9,661.00	3.80	137.18	9,598.19	-673.35	-100.58	-672.12	1.15	-0.69	-12.81
9,850.00	3.11	7.83	9,787.03	-668.45	-100.09	-667.16	3.31	-0.37	-68.44
9,944.00	6.30	356.33	9,880.70	-666.28	-92.42	-667.14	3.52	3.39	-12.23

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	11	2/13/2024	0	2/13/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 6.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 4.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 190,161	Cum Field Est To Date (Cost) 1,238,236		
Start Depth (ftKB) 10,008.0	End Depth (ftKB) 10,008.0	Start Depth (TVD) (ftKB) 9,944.5	End Depth (TVD) (ftKB) 9,944.5	Target Depth (ftKB) 22,612	Target Formation Wolfcamp
Problem Time Hours (hr) 24.00	Cum Problem Time Hours (hr) 34.75	Percent Problem Time (%) 100.00	Cum Percent Problem Time (%) 29.83	Time Log - Problem Hours (hr) 0.00	Cum Up Time - Down Time (hr) 81.75

Operations at Report Time POOH WITH FISHING ASSEMBLY	Operations Next Report Period TIH WITH INTERMEDIATE ASSEMBLY AND DRILL TO KOP AT 11,050'.
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Operations Summary  
WAIT ON FISHING TOOLS TO ARRIVE ON LOCATION, LAY OUT AND STRAP FISHING TOOLS, MAKE UP FISHING TOOL ASSEMBLY, TIH AT 60 FPM WASHING AND REAMING AS NEEDED. ENGAGE FISH AND WORK OVER SEVERAL TIMES. ALL GOOD INDICATIONS SHOWING LATCHED ON TO FISH, POOH AT 60 FPM WITH FISHING ASSEMBLY.

HSE Risk  
PINCH POINTS AND TRIP HAZARDS, PROPER LIFTING TECHNIQUES, PROPER PPE, FORKLIFT & PIPECAT OPERATIONS, ST-80 & HOIST OPERATIONS, TRANSFERRING FLUIDS, HOUSEKEEPING, PRESSURE WASHING, TRIPPING PIPE, HANDLING BHA, MIXING CHEMICALS, WORKING WITH THIRD PARTY HANDS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	16:00	10.00	23	Other	WAITING ON FISHING TOOLS TO ARRIVE ON LOCATION. HAD TO SEND OVERSHOT, EXTENTION, AND BUSHING TO MACHINE SHOP TO HAVE MACHINE DOWN TO 9 1/2" OD.
16:00	18:00	2.00	19	Fishing	UNLOAD AND STRAP FISHING TOOLS. DRESSED OUT OVERSHOT WITH 8" SPIRAL GRAPPLE.
18:00	19:30	1.50	19	Fishing	PJSM, M/U FISHING TOOL ASSEMBLY: 9.5" OVERSHOT WITH 8" SPIRAL GRAPPLE, 9.5" EXTENSION, 9.5" CROSSOVER BUSHING, ONE JT OF 8 1/8" WASHPIPE, TOP SUB, CROSSOVER SUB, FLOAT SUB, AND FISHING JAR.
19:30	02:30	7.00	19	Fishing	TIH WITH FISHING ASSEMBLY. TIH THROUGH SALT SECTION AT 60 FPM. HIT SEVERAL TIGHT SPOTS THROUGH SALT SECTION AT (3150', 3632', 3910', 4012', 4267', 4884') AND HAD TO WASH AND REAM THROUGH (RPM-10, GPM-450). CONTINUE TRIPPING AND WASH LAST TWO STANDS ABOVE FISH F/9815' TO 9970'.
02:30	03:30	1.00	19	Fishing	INITIAL PICK UP WEIGHT 265K AND PUMP PRESSURE 1200 PSI. WORK OVER TOP OF ROTOR AT 9972' AND ENGAGED TOP OF FISH AT 9996'. ROTATE OVER TOP OF FISH WITH 10 RPM AND 450 GPM. CONTINUED ENGAGEING TOP OF FISH UNTIL NOTICEABLE INCREASE IN PUMP PRESSURE AND TORQUE. PUMP PRESSURE INCREASED TO 1800 PSI. WORK OVER FISH BY SETTING 120K TO 180K DOWN. KICKED IN PUMP AND PRESSURE CLIMBED TO 4000K BEFORE PUMP WAS SHUT DOWN. PICKED UP OFF BOTTOM AND BROKE OVER AT 330K, WITH 35K TO 55K DRAG PULLING FULL STAND OUT. KICKED IN PUMP AGAIN AND HAD 1380 PSI, INDICATING PACKOFF WAS BLOWN BUT STILL AN INCREASE OF 180 PSI. ALL GOOD INDICATIONS SHOWING LATCHED ON TO FISH.
03:30	06:00	2.50	19	Fishing	POOH SLOW AND STEADY AT 60 FPM WITH EXTRA DRAG.

**Mud Checks**

Time 11:30	Type WBM	Depth (ftKB) 10,008.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lbf/100ft²) 1,000
Gel 10 sec (lbf/100ft²) 1	Gel 10 min (lbf/100ft²) 1	Gel 30 min (lbf/100ft²) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 2	pH 7.0	Solids (%) 11.2
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 88.8	Chlorides (mg/L) 133,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 18:00	Type WBM	Depth (ftKB) 10,008.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lbf/100ft²) 3,000
Gel 10 sec (lbf/100ft²) 1	Gel 10 min (lbf/100ft²) 1	Gel 30 min (lbf/100ft²) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 2	pH 7.5	Solids (%) 11.2
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 88.8	Chlorides (mg/L) 127,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
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**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	13	2/14/2024	0	2/14/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 7.0	Depth Progress (ft) 1,036.00	Cum Time Log Sp (days) 5.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 74,778	Cum Field Est To Date (Cost) 1,313,014
Start Depth (ftKB) 10,008.0	End Depth (ftKB) 11,044.0	Start Depth (TVD) (ftKB) 9,944.5	End Depth (TVD) (ftKB) 10,979.7
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 7.00	Cum Problem Time Hours (hr) 41.75	Percent Problem Time (%) 29.17	Cum Percent Problem Time (%) 29.72
Time Log - Problem Hours (hr) 17.00	Cum Up Time - Down Time (hr) 98.75		

Operations at Report Time PULLING OUT OF THE HOLE FOR CURVE ASSEMBLY	Operations Next Report Period POOH, C/O BHA FOR CURVE ASSEMBLY, TIH, DRILL 9 7/8" CURVE
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Operations Summary  
POOH WITH FISH AND LAYDOWN SAME, MAKE UP BHA #5, TROUBLESHOOT ISSUE WITH MWD, T.I.H TO 10,008', DRILL 9 7/8' INTERMEDIATE HOLE FROM 10,008' TO 11,044' 1,036' TOTAL DRILLED IN 7.75 HRS, AVERAGED 133' FPH, SLID 2 TIMES FOR 58' LAST SURVEY @ 10,983' 2.33 INC 236.91 AZM, CURRENTLY 13' BEHIND AND 1' LEFT. CIRCULATE BOTTOMS UP, FLOW CHECK AND POOH F/ 11,044' T/ 6,950'

HSE Risk  
HANDLING BHA, ST-80 OPS, BUFFER ZONE AWARENESS, HAND AND FINGER SAFETY, CATWALK OPS, WORKING AT HEIGHTS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	11:00	5.00	19	Fishing	CONTINUE POOH WITH FISH FROM 6,100' TO SURFACE. REMOVE BIT, AND LAYDOWN JARS, WASH PIPE, AND FISH.
11:00	11:30	0.50	23	Other	CLEAN AND ORGANIZE RIG FLOOR
11:30	12:30	1.00	94	P/U BHA	LATCH ONTO MONEL COLLARS, MAKE UP 1.83° MOTOR, SCRIBE SAME, INSTALL TOOL, AND ATTEMPT TO SURFACE TEST.
12:30	14:30	2.00	20	Directional	TROUBLESHOOT ISSUE WITH MWD, TOOL HAD GOOD PULSES, BUT WOULD NOT SYNC, REMOVE TOOL, AND REPROGRAM, INSTALL TOOL, AND SURFACE TEST
14:30	19:30	5.00	6	Trip	T.I.H TO 10,008' (FILL PIPE EVERY 30 STANDS)
19:30	03:15	7.75	2	Drilling	DRILL 9 7/8' INTERMEDIATE FROM 10,008' TO 11,044' (1,036' @ 133 FPH) WOB-55K, GPM-682, RPM-80, DIFF-700, TQ-21K 2 SLIDES FOR 58'
03:15	04:00	0.75	5	Circ/Cond	CIRCULATE BOTTOMS UP
04:00	06:00	2.00	6	Trip	CHECK FLOW, PUMP SLUG, POOH TO 6,950'

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
10:00	WBM	10,008.0	9.95	28	1.0	1,000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	2	7.0	10.8
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	89.2	115,000	0.000		
10:00	WBM	11,044.0	10.00	28	1.0	1,000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	2	7.0	11.2
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	88.8	134,000	0.000		
18:00	WBM	10,008.0	9.95	28	1.0	1,000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1	1	1	100.0	2	7.0	10.8
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	0.0	89.2	124,000	0.000		

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
10,701.00	2.60	209.71	10,637.13	-680.55	-93.53	-681.68	0.61	0.45	-10.03
10,794.00	2.81	202.53	10,730.02	-683.50	-97.47	-683.60	0.43	0.23	-7.72
10,888.00	3.44	199.77	10,823.88	-686.60	-102.25	-685.44	0.69	0.67	-2.94
10,983.00	2.31	236.57	10,918.77	-690.11	-105.99	-688.00	2.22	-1.19	38.74
11,033.00	2.43	235.36	10,968.73	-692.08	-107.15	-689.71	0.26	0.24	-2.42

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	15	2/15/2024	0	2/15/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 8.0	Depth Progress (ft) 598.00	Cum Time Log Sp (days) 6.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 69,423	Cum Field Est To Date (Cost) 1,382,437
Start Depth (ftKB) 11,044.0	End Depth (ftKB) 11,642.0	Start Depth (TVD) (ftKB) 10,979.7	End Depth (TVD) (ftKB) 11,525.1
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 41.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 25.38
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 122.75	

Operations at Report Time PULLING OUT OF HOLE TO RUN 7 5/8" CASING.	Operations Next Report Period POOH, L/D BHA, RIG UP AND RUN 7 5/8" CASING
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Operations Summary  
POOH, L/D BHA, P/U CURVE ASSEMBLY, TRIP IN THE HOLE TO 11,044'. DRILL FROM 11,044' TO KOP AT 11,080'. BUILD 9 7/8" UPPER CURVE FROM 11,080' TO 11,642'. 562' TOTAL DRILLED THROUGH CURVE IN 10 TOTAL HRS AVERAGED 56' FPH. CIRCULATE BOTTOMS UP AND SPOT LOW WATER LOSS PILL, BEGIN PULLING OUT OF THE HOLE TO RUN 7 5/8" CASING.

HSE Risk  
HANDLING BHA, ST-80 OPS, BUFFER ZONE AWARENESS, HAND AND FINGER SAFETY, CATWALK OPS, WORKING AT HEIGHTS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	10:00	4.00	6	Trip	CONTINUE POOH FROM 6,100' TO BIT. REMOVE BIT, AND LAYDOWN MOTOR.
10:00	11:00	1.00	94	P/U BHA	HELD PJSM, MAKE UP 2.12" MOTOR, AND BAKER 406, SCRIBE MOTOR, INSTALL MWD, AND SURFACE TEST.
11:00	11:30	0.50	7	Service Rig	SERVICE RIG AND TOP DRIVE
11:30	18:00	6.50	6	Trip	TRIP IN THE HOLE FROM BHA TO 11,044'. DOWNLINK TOOL @ 10,940'.
18:00	18:30	0.50	2	Drilling	DRILL FROM 11,044' TO 11,080' (36' @ 72 FPH) WOB-50K, GPM-682, RPM-30, DIFF-300, TQ-15K
18:30	04:30	10.00	2	Drilling	BUILD CURVE FROM 11,080' TO 11,644' (564' @ 56' FPH) WOB-55, RPM-25, GPM-733, TOTAL SLIDE-499 (89%), TOTAL ROTATION-65 (11%) FINAL SURVEY AT 11,573' 37.76° INC 67.74° AZI 18° ABOVE 19' LEFT. PROJECTING 41° DEGREES AT 11,622' WITH A TVD OF 11,509'. DOG LEG NEEDED TO LAND-7
04:30	05:15	0.75	5	Circ/Cond	CIRCULATE BOTTOMS UP.
05:15	05:45	0.50	5	Circ/Cond	CHECK FOR FLOW. SPOT 80 BBL LOW WATER LOSS PILL THROUGH CURVE, PUMP SLUG.
05:45	06:00	0.25	6	Trip	POOH FROM 11,644' TO 11,150'.

**Mud Checks**

Time 18:00	Type WBM	Depth (ftKB) 11,044.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1	Gel 10 min (lb/100ft²) 1	Gel 30 min (lb/100ft²) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 2	pH 7.0	Solids (%) 9.7
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 90.3	Chlorides (mg/L) 119,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
11,222.00	10.50	50.42	11,157.02	-683.27	-99.18	-682.86	8.77	8.49	24.86
11,315.00	18.68	49.08	11,246.95	-661.91	-84.00	-665.05	8.80	8.80	-1.44
11,409.00	26.53	63.22	11,333.72	-627.50	-64.63	-634.86	10.10	8.35	15.04
11,503.00	32.96	66.13	11,415.30	-581.46	-44.80	-592.69	7.01	6.84	3.10
11,573.00	37.79	67.94	11,472.36	-541.22	-29.03	-555.38	7.06	6.90	2.59

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	17	2/16/2024	0	2/16/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 9.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 7.54	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 93,927	Cum Field Est To Date (Cost) 1,476,364		
Start Depth (ftKB) 11,642.0	End Depth (ftKB) 11,642.0	Start Depth (TVD) (ftKB) 11,525.1	End Depth (TVD) (ftKB) 11,525.1	Target Depth (ftKB) 22,612	Target Formation Wolfcamp
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 41.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 22.75	Time Log - Problem Hours (hr) 19.00	Cum Up Time - Down Time (hr) 141.75

Operations at Report Time BEGINNING OFFLINE CEMENTING OF INTERMEDIATE CASING	Operations Next Report Period SUSPEND RIG OPS SEE UL GENE PARMESAN 10UA REPORTS
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Operations Summary  
POOH, L/D BHA, RIG UP AND RUN INTERMEDIATE CASING TO 11,622' CIRCULATE 1.5X CASING CAPACITY, INSTALL PACKOFF AND TEST, NIPPLE DOWN AND PREPARE FOR WALK. SUSPEND RIG OPS AT 0:100 ON 2/17/2024. PREPARE FOR OFFLINE CEMENT JOB, R/U CEMENT HEAD AND IRON ON WELLHEAD,

HSE Risk  
RUNNING CASING, BUFFER ZONE AWARENESS, RIGGING DOWN CASING CREW, NIPLING DOWN, SKIDDING RIG

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	10:30	4.50	6	Trip	CONTINUE POOH FROM 11,100' TO SURFACE. LAYDOWN MONELS, PULL MWD, REMOVE BIT, AND LAYDOWN MUD MOTOR
10:30	11:00	0.50	23	Other	PULL WEAR BUSHING AND CLEAN RIG FLOOR PRIOR TO RIGGING UP CASING CREW.
11:00	12:00	1.00	12	CSG & CMT	RIG UP BUTCH'S CASING CREW AND SUPERIOR TORQUE TURN, HELD PJSM WITH PERSONNEL
12:00	21:45	9.75	12	CSG & CMT	M/U ONE JOINT SHOE TRACK AND CHECK FLOATS, RUN 7 5/8" 29.7# HCL-80 BTC INTERMEDIATE CASING TO 11,622' WASHED LAST 3 JOINTS. LANDED CASING AT 11,622' WITH 220K ON HANGER.
21:45	23:15	1.50	12	CSG & CMT	CIRCULATE 1.5 TIMES CAPACITY OF CASING WHILE R/D CASING CREW
23:15	01:00	1.75	12	CSG & CMT	L/D LANDING JT. INSTALL PACK OFF W/30K. TEST TO 5000 PSI. ENGAGE TOOL AND PULL 40K OVER, L/D RUNNING TOOL. FINISH N/D BOP RAISE STACK AND PREPARE FOR SKID. SUSPEND RIG OPERATIONS AT 01:00 HRS 2/17/24.
01:00	06:00	5.00	12	CSG & CMT	PREPARE FOR OFFLINE CEMENT JOB. R/U CEMENT HEAD AND IRON TO WELLHEAD. CEMENTERS ARRIVED @ 0330 AM

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft <sup>2</sup> )
09:00	WBM	11,642.0	9.85	28	1.0	1,000
Gel 10 sec (lb/100ft <sup>2</sup> ) 1	Gel 10 min (lb/100ft <sup>2</sup> ) 1	Gel 30 min (lb/100ft <sup>2</sup> ) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 2	pH 7.0	Solids (%) 10.1
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 89.9	Chlorides (mg/L) 125,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
18:00	WBM	11,642.0	9.85	28	1.0	1,000
Gel 10 sec (lb/100ft <sup>2</sup> ) 1	Gel 10 min (lb/100ft <sup>2</sup> ) 1	Gel 30 min (lb/100ft <sup>2</sup> ) 1	Filtrate (mL/30min) 100.0	Filter Cake (1/32") 2	pH 7.0	Solids (%) 10.1
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 89.9	Chlorides (mg/L) 131,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	17	2/16/2024	0	2/17/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 10.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 7.54	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 509,179	Cum Field Est To Date (Cost) 1,985,542
Start Depth (ftKB) 11,642.0	End Depth (ftKB) 11,642.0	Start Depth (TVD) (ftKB) 11,525.1	End Depth (TVD) (ftKB) 11,525.1
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 41.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 22.75
Time Log - Problem Hours (hr)		Cum Up Time - Down Time (hr) 141.75	

Operations at Report Time SEE UL GENE PARMESAN A3 #10UA REPORT	Operations Next Report Period SEE UL GENE PARMESAN A3 #10UA
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Operations Summary  
CEMENT 7 5/8" CASING

HSE Risk  
SIMOPS, HIGH PRESSURE LINES, WORKING WITH 3RD PARTY, FORKLIFT OPS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	11:30	5.50	12	CSG & CMT	TEST LINES TO 5500 PSI. PUMP 30 BBLs OF FW SPACER, 475 SKS-331 BBLs OF 10.5 PPG LEAD, 171 SKS-34 BBLs OF 14.5 TAIL. DROP PLUG AND DISPLACED W/532 BBLs OF FW. FINAL LIFT WAS 1600 PSI, BUMPED PLUG TO 2,070 PSI. BEGIN STAGING UP PUMPS IN 200 PSI INCREMENTS TO INFLATE PACKER, PACKER INFLATED @ 2,500 PSI, TOOK 0.5 BBLs, BLEED OFF, GOT BACK 4.5 BBLs-FLOATS HELD. PARTIAL RETURNS THROUGHOUT. DROP OPENING CONE AND WAITED 30 MINUTES, SHIFT DV TOOL WITH 830 PSI, PUMP 60 BBLs OF F.W ONCE TOOL WAS SHIFTED 2ND STAGE: PUMP 30 BBLs OF FW SPACER, PUMPED 1,021 SKS-272 BBLs OF 13.0 PPG PRIMARY CEMENT, DROP CLOSING PLUG, AND DISPLACE WITH 239 BBLs OF FW, FINAL LIFT-800 PSI, BUMP TO 2000 PSI, BLEED OFF, GOT BACK 2 BBLs, FLOATS HELD. HAD PARTIAL RETURNS FOR THE MOST PART OF THE 2ND STG CEMENT, HAD FULL RETURNS ON THE LAST 130 BBLs OF DISPLACEMENT. NO CEMENT TO SURFACE. RIG DOWN AMERICAN CEMENTING. ESTIMATED T.O.C- 320'

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	17	2/16/2024	1	2/17/2024	0

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 11.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 7.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 128,114	Cum Field Est To Date (Cost) 2,113,656
Start Depth (ftKB) 11,642.0	End Depth (ftKB) 11,642.0	Start Depth (TVD) (ftKB) 11,525.1	End Depth (TVD) (ftKB) 11,525.1
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 41.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 22.15
Time Log - Problem Hours (hr) 5.00		Cum Up Time - Down Time (hr) 146.75	

Operations at Report Time TESTING BOP	Operations Next Report Period FINISH TESTING BOP, PICK UP DRILL OUT ASSEMBLY, TIH, DRILL OUT DV TOOL AND BAFFLE, POOH, C/O BHA, TIH, DRILL 6 3/4" CURVE TO LANDING POINT, AND BEGIN DRILLING IN 6 3/4" LATERAL.
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Operations Summary  
WALK RIG TO UL GENE PARMESAN 01H AND CENTER RIG OVER WELL, NIPPLE UP, AND BEGIN FULL TEST ON BOP AND CHOKE.

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS:; GOOD COMMUNICATION, TESTING, RESPECTING BUFFER ZONES, HIGH PRESSURE LINES, NIPPLING UP, STRUCK BY OBJECTS, LINE OF FIRE, SKIDDING, 360 AWARENESS.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
01:00	02:30	1.50	93	Skid	PJSM AND WALK FROM GENE PARMESAN 10UA TO 01H. CENTER OVER WELL, SET AND RIG UP PIPECAT AND HOOK UP GROUND RODS
02:30	04:30	2.00	14	RU/RD BOP	N/U BOP'S. HOOK UP CHOKE LINE, FLOWLINE, AND STANDPIPE. INSTALL TURNBUCKLES. INSTALL MOUSEHOLE.
04:30	06:00	1.50	15	Test BOP	INSTALL TEST PLUG, ENSURE CASING VALVE IS OPEN, TEST ALL VALVES ON CHOKE MANIFOLD, BOP'S, FLOOR VALVES, AND ALL RAMS TO 250 PSI LOW AND 5000 PSI HIGH. ANNULAR TO 250 PSI LOW AND 3500 PSI HIGH.

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	18	3/16/2024	0	3/17/2024	1

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**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 12.0	Depth Progress (ft) 620.00	Cum Time Log Sp (days) 8.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 153,046	Cum Field Est To Date (Cost) 2,266,702
Start Depth (ftKB) 11,644.0	End Depth (ftKB) 12,264.0	Start Depth (TVD) (ftKB) 11,526.6	End Depth (TVD) (ftKB) 11,782.7
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 1.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 4.17	Cum Percent Problem Time (%) 20.12
Time Log - Problem Hours (hr) 23.00		Cum Up Time - Down Time (hr) 169.75	

Operations at Report Time <b>DRILLING AHEAD IN 6 3/4" LATERAL</b>	Operations Next Report Period <b>CONTINUE DRILLING 6 3/4" LATERAL.</b>
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Operations Summary  
FINISH TESTING BOPS, P/U DRILL OUT ASSEMBLY, TRIP IN THE HOLE, DRILL OUT DV TOOL AND BAFFLE, TEST CASING , TRIP OUT OF THE HOLE, C/O BHA TO 6 3/4" RSS ASSEMBLY, TRIP IN THE HOLE, DRILL OUT FLOAT AND SHOE TRACK WHILE DISPLACING TO OBM, DRILL 6 3/4 CURVE FROM 11,644' TO 12,264' (LANDED) 620' TOTAL DRILLED IN 8.5 HRS, AVERAGED 72' FPH, LAST SURVEY @ 12,135' 79.35 INC 70.58 AZM, CURRENTLY 15' ABOVE AND 20' LEFT.

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: GOOD COMMUNICATION, TRIPPING IN THE HOLE, RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, LINE OF FIRE, HOUSEKEEPING, 360 AWARENESS, PRESSURE WASHING, FORKLIFT AND MANLIFT OPERATIONS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	06:45	0.75	15	Test BOP	CONTINUE TESTING BOPE- TEST UPPER RAMS, AND FLOOR VALVES TO 250L-5000H, RIG DOWN TESTING UNIT, AND INSTALL WEAR BUSHING
06:45	09:15	2.50	6	Trip	T.I.H WITH BIT SUB AND BIT TO TOP OF DV TOOL @ 5,213'
09:15	09:45	0.50	3	Reaming	PRESSURE TEST CASING TO 1,500-OK, DRILL OUT DV TOOL AND CONTINGENCY BAFFLE. (WOB -15K, GPM-250, RPM-70)
09:45	10:15	0.50	92	Testing	PRESSURE TEST CASING TO 1,500 PSI-OK
10:15	12:45	2.50	6	Trip	POOH FOR DIRECTIONAL TOOLS
12:45	14:00	1.25	94	P/U BHA	P/U DIRECTIONAL BHA (RSS ASSEMBLY), INSTALL MWD TOOL, TEST ICRUISE & MWD TOOL, P/U MOTOR
14:00	19:15	5.25	6	Trip	TIH THE HOLE FROM BHA TO TOP OF FLOAT COLLAR AT 11,576'
19:15	20:30	1.25	3	Reaming	DRILL SHOE TRACK FROM 11,576' TO 11,622' CONTINUE TO REAM ORIGINAL WELL TO 11,644' WHILE DISPLACING WITH OBM.
20:30	21:00	0.50	2	Drilling	BUILD 6 3/4 CURVE F/11,644' TO 11,686' - (WOB-20, RPM-30, GPM-290, ROP-88) INSTALLED 1 DOWNLINK
21:00	22:00	1.00	20	Directional	TROUBLESHOOT MWD TOOL NOT BEING IN RIGHT CONFIGURATION. SERIES OF DOWNLINKS WERE PERFORMED TO SET TOOL IN RIGHT SEQUENCE MODE.
22:00	06:00	8.00	2	Drilling	BUILD 6 3/4 CURVE F/11,686' TO 12,264' - LANDED (WOB-28, RPM-30, GPM-300, ROP-72) INSTALLED 4 DOWNLINKS

**Mud Checks**

Time 15:00	Type AES VERT	Depth (ftKB) 11,642.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 78	PV Calc (cP) 26.0	YP Calc (lbf/100ft²) 6.000
Gel 10 sec (lbf/100ft²) 7	Gel 10 min (lbf/100ft²) 12	Gel 30 min (lbf/100ft²) 14	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 24.5
MBT (lb/bbl)	Percent Oil (%) 59.5	Percent Water (%) 16.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 405.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
11,854.00	57.17	66.45	11,663.02	-338.02	51.64	-367.25	8.06	8.05	-0.43
11,948.00	64.95	66.54	11,708.47	-256.47	84.42	-291.87	8.28	8.28	0.10
12,040.00	71.87	67.09	11,742.30	-171.60	118.07	-213.28	7.54	7.52	0.60
12,135.00	79.37	70.25	11,765.88	-80.01	151.48	-127.62	8.53	7.89	3.33
12,228.00	83.98	71.29	11,779.34	11.87	181.77	-40.76	5.08	4.96	1.12

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	20	3/17/2024	0	3/17/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, BIK 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 13.0	Depth Progress (ft) 1,906.00	Cum Time Log Sp (days) 9.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 99,987	Cum Field Est To Date (Cost) 2,366,689
Start Depth (ftKB) 12,264.0	End Depth (ftKB) 14,170.0	Start Depth (TVD) (ftKB) 11,782.7	End Depth (TVD) (ftKB) 11,755.2
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 18.08
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 193.75	

Operations at Report Time <b>DRILLING AHEAD IN 6 3/4" LATERAL</b>	Operations Next Report Period <b>CONTINUE DRILLING 6 3/4" LATERAL.</b>
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Operations Summary  
DRILL 6 3/4" LATERAL FROM 12,264' TO 14,170' 1,906' TOTAL DRILLED IN 23.5 HRS, AVERAGED 81' FPH, INSTALLED 16 DOWNLINKS, LAST SURVEY @ 13,925' 91.26 INC - 73.99 AZM, CURRENTLY 51' ABOVE AND 4' LEFT.

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, LINE OF FIRE, HOUSEKEEPING, 360 AWARENESS, PRESSURE WASHING, FORKLIFT AND MANLIFT OPERATIONS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	16:45	10.75	2	Drilling	DRILL LATERAL FROM 12,264' TO 13,397' (1,134' @ 105 FPH) WOB-28K, GPM-290, RPM-110, TQ-8,000, DIFF-800. 8 DOWNLINKS
16:45	17:15	0.50	7	Service Rig	LUBRICATE RIG AND TOP DRIVE
17:15	06:00	12.75	2	Drilling	DRILL LATERAL FROM 13,397' TO 14,170' (773' @ 60 FPH) WOB-28K, GPM-290, RPM-110, TQ-5500, DIFF-600. 8 DOWNLINKS.

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
11:40	AES VERT	12,845.0	12.50	75	26.0	8.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	11	14				25.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	60.0	15.0				400.0
18:00	AES VERT	13,475.0	12.50	76	26.0	8.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	12	14				25.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	59.0	16.0				415.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
13,642.00	92.09	74.79	11,761.68	1,425.03	588.15	1,312.76	1.31	1.01	0.83
13,736.00	91.87	73.19	11,758.43	1,518.97	614.06	1,403.05	1.72	-0.23	-1.70
13,830.00	92.06	74.81	11,755.21	1,612.91	639.95	1,493.35	1.73	0.20	1.72
13,925.00	91.28	73.57	11,752.44	1,707.86	665.82	1,584.72	1.54	-0.82	-1.31
14,113.00	88.11	73.19	11,753.44	1,895.83	719.59	1,764.84	1.70	-1.69	-0.20

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	22	3/18/2024	0	3/18/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 14.0	Depth Progress (ft) 2,020.00	Cum Time Log Sp (days) 10.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 133,325	Cum Field Est To Date (Cost) 2,500,014
Start Depth (ftKB) 14,170.0	End Depth (ftKB) 16,190.0	Start Depth (TVD) (ftKB) 11,755.2	End Depth (TVD) (ftKB) 11,772.8
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 16.41
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 217.75	

Operations at Report Time <b>DRILLING AHEAD IN 6 3/4" LATERAL</b>	Operations Next Report Period <b>CONTINUE DRILLING 6 3/4" LATERAL.</b>
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Operations Summary  
 DRILL 6 3/4" LATERAL FROM 14,170' TO 16,190' 2,020' TOTAL DRILLED IN 23.5 HRS, AVERAGED 86' FPH, INSTALLED 5 DOWNLINKS, LAST SURVEY @ 15,993' 89.25 INC - 74.32 AZM, CURRENTLY 38' ABOVE AND 13' RIGHT.  
 EFFECTIVE LATERAL-4,050'

HSE Risk  
 NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS:; PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, LINE OF FIRE, HOUSEKEEPING, 360 AWARENESS, PRESSURE WASHING, FORKLIFT AND MANLIFT OPERATIONS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	16:15	10.25	2	Drilling	DRILL LATERAL FROM 14,170' TO 15,086' (916' @ 89 FPH) WOB-28K, GPM-290, RPM-110, TQ-5500, DIFF-600. 1 DOWNLINK
16:15	16:45	0.50	7	Service Rig	SERVICE RIG AND TOP DRIVE.
16:45	06:00	13.25	2	Drilling	DRILL LATERAL FROM 15,086' TO 16,190' (1,104' @ 83 FPH) WOB-28K, GPM-290, RPM-110, TQ-5500, DIFF-600. 4 DOWNLINKS.

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lbf/100ft²)
10:00	AES VERT	14,535.0	12.80	77	27.0	9.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	12	15				26.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	58.0	16.0				430.0
18:00	AES VERT	15,195.0	12.80	79	28.0	8.000
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	12	14				26.5
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	58.5	15.0				450.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
15,804.00	89.12	73.22	11,771.71	3,586.61	1,187.34	3,389.64	1.22	-0.94	-0.78
15,898.00	89.91	74.03	11,772.51	3,680.61	1,213.83	3,479.83	1.20	0.84	0.86
15,993.00	89.26	73.99	11,773.20	3,775.60	1,240.00	3,571.15	0.69	-0.68	-0.04
16,086.00	89.99	72.95	11,773.81	3,868.60	1,266.46	3,660.30	1.37	0.78	-1.12
16,181.00	91.03	73.77	11,772.96	3,963.59	1,293.66	3,751.32	1.39	1.09	0.86

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	24	3/19/2024	0	3/19/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 15.0	Depth Progress (ft) 737.00	Cum Time Log Sp (days) 11.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 127,874	Cum Field Est To Date (Cost) 2,627,887
Start Depth (ftKB) 16,190.0	End Depth (ftKB) 16,927.0	Start Depth (TVD) (ftKB) 11,772.8	End Depth (TVD) (ftKB) 11,762.5
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 15.03
Time Log - Problem Hours (hr) 24.00	Cum Up Time - Down Time (hr) 241.75		

Operations at Report Time  
TRIPPING IN THE HOLE WITH 6 3/4" LATERAL ASSEMBLY

Operations Next Report Period  
CONTINUE TRIPPING IN THE HOLE TO 16,927' AND CONTINUE DRILLING 6 3/4" LATERAL.

Operations Summary  
DRILL 6 3/4" LATERAL FROM 16,190' TO 16,927' 737' TOTAL DRILLED IN 9 HRS, AVERAGED 82' FPH, LAST SURVEY @ 16,838' 90.51 INC - 72.93 AZM, CURRENTLY 35' ABOVE AND 8' RIGHT.  
EFFECTIVE LATERAL-4,787'  
CIRCULATE BOTTOMS UP TO PULL OUT OF THE HOLE DUE TO LOW ROP, PULL OUT OF THE HOLE BACKREAMING TIGHT SPOTS AS NEEDED, CHANGE OUT BHA, TRIP BACK IN THE HOLE FROM BHA TO 2,650'.

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, TRIPPING OUT OF THE HOLE, WORKING DIRECTIONAL BHA, PULLING ROTATING HEAD, BACKREAMING PROPER LIFTING, STRUCK BY OBJECTS, LINE OF FIRE, 360 AWARENESS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	15:00	9.00	2	Drilling	DRILL FROM 16,190' TO 16,927' (737' @ 82 FPH) WOB-30K, GPM-285, RPM-110, DIFF-800, TQ-9000
15:00	16:00	1.00	5	Circ/Cond	CIRCULATE BOTTOM'S UP PRIOR TO POOH DUE TO ROP
16:00	17:45	1.75	6	Trip	TRIP OUT OF THE HOLE FROM 16,927' TO 16,180', HOLE TAKING PROPER FILL.
17:45	18:30	0.75	3	Reaming	BACKREAM TIGHT HOLE FROM 16,180' TO 15,528'
18:30	20:30	2.00	6	Trip	TRIP OUT OF THE HOLE FROM 15,528' TO 12,810', HOLE TAKING PROPER FILL.
20:30	22:15	1.75	3	Reaming	BACKREAM TIGHT HOLE FROM 12,810' TO 11,622'
22:15	03:00	4.75	6	Trip	PUMP SLUG. TRIP OUT OF THE HOLE FROM 11,622' TO BHA, HOLE TAKING PROPER FILL.
03:00	03:45	0.75	95	L/D BHA	LAY DOWN MUD MOTOR AND MWD TOOL. BREAK BIT AND LAY DOWN RSS.
03:45	04:30	0.75	94	P/U BHA	PICK UP NEW RSS AND MAKE UP BIT. INSTALL MWD TOOL AND TEST TOOL AND RSS. PICK UP NEW MOTOR.
04:30	04:45	0.25	23	Other	CLEAN AND ORGANIZE RIG FLOOR BEFORE TRIPPING.
04:45	06:00	1.25	6	Trip	TRIP IN THE HOLE FROM BHA TO 2,650'.

**Mud Checks**

Time 09:00	Type AES VERT	Depth (ftKB) 16,470.0	Density (lb/gal) 12.80	Funnel Viscosity (s/qt) 87	PV Calc (cP) 28.0	YP Calc (lb/100ft²) 8.000
Gel 10 sec (lb/100ft²) 8	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/100ft²) 14	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 27.0
MBT (lb/bbl)	Percent Oil (%) 55.5	Percent Water (%) 17.5	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 492.0
Time 18:00	Type AES VERT	Depth (ftKB) 16,927.0	Density (lb/gal) 12.80	Funnel Viscosity (s/qt) 88	PV Calc (cP) 28.0	YP Calc (lb/100ft²) 10.000
Gel 10 sec (lb/100ft²) 9	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/100ft²) 15	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 27.0
MBT (lb/bbl)	Percent Oil (%) 56.5	Percent Water (%) 16.5	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 505.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
16,462.00	91.22	74.08	11,768.46	4,244.52	1,375.64	4,020.04	1.72	0.27	1.70
16,556.00	90.75	72.18	11,766.84	4,338.50	1,402.92	4,109.98	2.08	-0.50	-2.02
16,650.00	90.49	72.72	11,765.82	4,432.47	1,431.26	4,199.60	0.64	-0.28	0.57
16,744.00	90.83	72.66	11,764.74	4,526.45	1,459.23	4,289.34	0.37	0.36	-0.06
16,838.00	90.52	72.64	11,763.63	4,620.43	1,487.26	4,379.05	0.33	-0.33	-0.02

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	26	3/20/2024	0	3/20/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 16.0	Depth Progress (ft) 1,158.00	Cum Time Log Sp (days) 12.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 141,515	Cum Field Est To Date (Cost) 2,769,402
Start Depth (ftKB) 16,927.0	End Depth (ftKB) 18,085.0	Start Depth (TVD) (ftKB) 11,762.5	End Depth (TVD) (ftKB) 11,732.4
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 13.86
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 265.75	

Operations at Report Time <b>DRILLING AHEAD IN 6 3/4" LATERAL</b>	Operations Next Report Period <b>CONTINUE DRILLING 6 3/4" LATERAL.</b>
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Operations Summary  
TRIP IN THE HOLE TO 14,400'. WASH AND REAM TO BOTTOM AT 16,927'.  
DRILL 6 3/4" LATERAL FROM 16,927' TO 18,085' 1,158' TOTAL DRILLED IN 13.25 HRS, AVERAGED 87' FPH, INSTALLED 4 DOWNLINKS, LAST SURVEY @ 17,967' 91.54 INC - 75.23 AZM, CURRENTLY 43' ABOVE AND 14' RIGHT.  
EFFECTIVE LATERAL-5,945'

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, TRIPPING IN THE HOLE, REAMING, PROPER LIFTING, STRUCK BY OBJECTS, LINE OF FIRE, 360 AWARENESS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	11:30	5.50	6	Trip	CONTINUE TO T.I.H FROM 2,650' TO 14,400' - DOWNLINKED TOOL TO NEUTRAL.
11:30	16:45	5.25	3	Reaming	WASH AND REAM FROM 14,400' TO BOTTOM @ 16,927'
16:45	06:00	13.25	2	Drilling	DRILL LATERAL FROM 16,927' TO 18,085' (1,158' @ 87 FPH) WOB-30K, GPM-285, RPM-110, DIFF-700, TQ-12500 DOWNLINKED 4 TIMES

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
09:00	AES VERT	16,927.0	12.85	90	28.0	12.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
10	13	16				27.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	56.0	17.0				515.0
18:00	AES VERT	17,025.0	13.10	92	28.0	13.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
9	12	15				28.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	56.0	16.0				502.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
17,685.00	91.79	71.26	11,744.91	5,466.91	1,718.12	5,193.48	2.70	-1.13	-2.46
17,779.00	92.40	72.41	11,741.47	5,560.80	1,747.41	5,282.73	1.38	0.65	1.22
17,873.00	91.45	73.76	11,738.32	5,654.74	1,774.74	5,372.61	1.76	-1.01	1.44
17,967.00	91.54	75.02	11,735.86	5,748.70	1,800.02	5,463.11	1.34	0.10	1.34
18,061.00	91.82	73.66	11,733.11	5,842.65	1,825.39	5,553.58	1.48	0.30	-1.45

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	28	3/21/2024	0	3/21/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1K 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 17.0	Depth Progress (ft) 2,056.00	Cum Time Log Sp (days) 13.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 160,596	Cum Field Est To Date (Cost) 2,929,997
Start Depth (ftKB) 18,085.0	End Depth (ftKB) 20,141.0	Start Depth (TVD) (ftKB) 11,732.4	End Depth (TVD) (ftKB) 11,706.4
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 42.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 12.86
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 289.75	

Operations at Report Time: **DRILLING AHEAD IN 6 3/4" LATERAL**  
 Operations Next Report Period: **CONTINUE DRILLING 6 3/4" LATERAL TO TD AT +/-22,600'.**

Operations Summary  
 DRILL 6 3/4" LATERAL FROM 18,085' TO 20,141' 2,056' TOTAL DRILLED IN 23.5 HRS, AVERAGED 87' FPH, INSTALLED 5 DOWNLINKS, LAST SURVEY @ 20,031' 90.11 INC - 72.37 AZM, CURRENTLY 14' ABOVE AND 3' LEFT.  
 EFFECTIVE LATERAL-8,001'

HSE Risk  
 NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, PRESSURE WASHING SAFETY, FORKLIFT OPERATIONS, MANLIFT OPERATIONS, HOUSEKEEPING, SLIPS TRIPS AND FALLS, LINE OF FIRE, 360 AWARENESS, TRANSFERRING FLUID.

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	16:00	10.00	2	Drilling	DRILL FROM 18,085' TO 19,034' (949' @ 95 FPH) WOB-30K, GPM-280, RPM-110, DIFF-1000, TQ-14K
16:00	16:30	0.50	7	Service Rig	SERVICE RIG
16:30	06:00	13.50	2	Drilling	DRILL FROM 19,034' TO 20,141' (1,107' @ 82 FPH) WOB-30K, GPM-274, RPM-110, DIFF-650, TQ-12.5K. INSTALLED 5 DOWNLINKS.

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
08:50	AES VERT	18,360.0	13.10	82	27.0	12.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	12	14				27.5
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	56.5	16.0				525.0
18:00	AES VERT	19,206.0	13.10	78	26.0	11.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
8	12	14				27.2
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	57.3	15.5				550.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
19,751.00	89.46	73.64	11,705.80	7,531.71	2,318.10	7,169.30	0.71	0.71	-0.03
19,843.00	88.62	73.53	11,707.34	7,623.70	2,344.10	7,257.54	0.92	-0.91	-0.12
19,937.00	91.34	73.47	11,707.37	7,717.69	2,370.79	7,347.66	2.89	2.89	-0.06
20,031.00	90.11	72.44	11,706.18	7,811.67	2,398.34	7,437.52	1.71	-1.31	-1.10
20,125.00	89.69	73.37	11,706.35	7,905.66	2,425.97	7,527.37	1.09	-0.45	0.99

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	30	3/22/2024	0	3/22/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 18.0	Depth Progress (ft) 1,762.00	Cum Time Log Sp (days) 14.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 141,850	Cum Field Est To Date (Cost) 3,071,848
Start Depth (ftKB) 20,141.0	End Depth (ftKB) 21,903.0	Start Depth (TVD) (ftKB) 11,706.4	End Depth (TVD) (ftKB) 11,697.1
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 1.00	Cum Problem Time Hours (hr) 43.75	Percent Problem Time (%) 4.17	Cum Percent Problem Time (%) 12.27
Time Log - Problem Hours (hr) 23.00		Cum Up Time - Down Time (hr) 312.75	

Operations at Report Time  
DRILLING AHEAD IN 6 3/4" LATERAL

Operations Next Report Period  
CONTINUE DRILLING 6 3/4" LATERAL TO TD AT 22,593'. CLEAN UP CYCLE, POOH TO RUN 5 1/2" PRODUCTION CASING.

Operations Summary  
DRILL 6 3/4" LATERAL FROM 20,141' TO 21,903' 1,762' TOTAL DRILLED IN 22.5 HRS, AVERAGED 78' FPH, INSTALLED 4 DOWNLINKS, LAST SURVEY @ 21,809' 90.86 INC - 74.37 AZM, CURRENTLY 6' ABOVE AND 12' LEFT. EFFECTIVE LATERAL-9,763'

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: PROPER HAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, PRESSURE WASHING SAFETY, FORKLIFT OPERATIONS, MANLIFT OPERATIONS, HOUSEKEEPING, SLIPS TRIPS AND FALLS, LINE OF FIRE, 360 AWARENESS, TRANSFERRING FLUID.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	07:00	1.00	2	Drilling	DRILL FROM 20,041' TO 20,191 (50' @ 50 FPH) WOB-30K, GPM-272, RPM-110, TQ-14K, DIFF-650
07:00	08:00	1.00	23	Other	CHANGE OUT SWIVEL PACKING
08:00	16:15	8.25	2	Drilling	DRILL FROM 20,191' TO 20,912' (721' @ 87 FPH) WOB-30K, GPM-272, RPM-110, TQ-14K, DIFF-850
16:15	16:45	0.50	7	Service Rig	SERVICE RIG AND TOP DRIVE.
16:45	06:00	13.25	2	Drilling	DRILL FROM 20,912' TO 21,903' (991' @ 74 FPH) WOB-30K, GPM-272, RPM-110, TQ-14.5K, DIFF-480 INSTALLED 4 DOWNLINKS

**Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft <sup>2</sup> )
09:30	AES VERT	20,345.0	13.30	76	25.0	10.000
Gel 10 sec (lb/100ft <sup>2</sup> ) 7	Gel 10 min (lb/100ft <sup>2</sup> ) 12	Gel 30 min (lb/100ft <sup>2</sup> ) 14	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 27.0
MBT (lb/bbl)	Percent Oil (%) 57.0	Percent Water (%) 16.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 538.0
Time 18:00	Type AES VERT	Depth (ftKB) 21,021.0	Density (lb/gal) 13.30	Funnel Viscosity (s/qt) 70	PV Calc (cP) 26.0	YP Calc (lb/100ft <sup>2</sup> ) 8.000
Gel 10 sec (lb/100ft <sup>2</sup> ) 6	Gel 10 min (lb/100ft <sup>2</sup> ) 11	Gel 30 min (lb/100ft <sup>2</sup> ) 14	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 27.0
MBT (lb/bbl)	Percent Oil (%) 58.0	Percent Water (%) 15.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 582.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
21,528.00	89.52	72.82	11,696.73	9,308.43	2,823.92	8,872.52	0.87	0.48	-0.72
21,622.00	89.77	73.54	11,697.31	9,402.42	2,851.12	8,962.49	0.81	0.27	0.77
21,715.00	88.48	72.65	11,698.73	9,495.40	2,878.16	9,051.46	1.69	-1.39	-0.96
21,809.00	90.86	74.33	11,699.27	9,589.39	2,904.87	9,141.57	3.10	2.53	1.79
21,903.00	91.76	74.70	11,697.12	9,683.36	2,929.96	9,232.14	1.04	0.96	0.39

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	32	3/23/2024	0	3/23/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 19.0	Depth Progress (ft) 690.00	Cum Time Log Sp (days) 15.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 134,134	Cum Field Est To Date (Cost) 3,205,982
Start Depth (ftKB) 21,903.0	End Depth (ftKB) 22,593.0	Start Depth (TVD) (ftKB) 11,697.1	End Depth (TVD) (ftKB) 11,686.8
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 43.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 11.50
Time Log - Problem Hours (hr) 24.00		Cum Up Time - Down Time (hr) 336.75	

Operations at Report Time RIGGING UP CASING CREW	Operations Next Report Period RUN 5 1/2" PRODUCTION CASING TO 22,570'. CIRCULATE CASING CAPACITIES, CEMENT PRODUCTION CASING PER COMPANY PROGRAM.
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Operations Summary  
 DRILL 6 3/4" LATERAL FROM 21,903' TO TD AT 22,593' 690' TOTAL DRILLED IN 9 HRS, AVERAGED 98' FPH. LAST SURVEY @ 22,557' 90.30 INC - 73.54 AZM, 11' ABOVE AND 9' LEFT.  
 EFFECTIVE LATERAL-10,453'  
 PERFORM CLEAN UP CYCLES, PULL OUT OF THE HOLE TO SURFACE, LAY DOWN BHA, BEGIN RIGGING UP BUTCH'S CASING CREW FOR 5 1/2" PRODUCTION CASING.  
 \*\*\* NOTIFIED TRRC (AUDRY) PRIOR TO PRODUCTION CASING RUN \*\*\*

HSE Risk  
 NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS:TRIPPING OUT OF THE HOLE, KEEPING GOOD LINE OF SIGHT WITH DRILLER, PROPERHAND PLACEMENT, MAKING CONNECTIONS WITH TOP DRIVE RESPECTING BUFFER ZONES, PROPER LIFTING, STRUCK BY OBJECTS, PRESSURE WASHING SAFETY, FORKLIFT OPERATIONS, MANLIFT OPERATIONS, HOUSEKEEPING, SLIPS TRIPS AND FALLS, LINE OF FIRE, 360 AWARENESS, WORKING WITH THIRD PARTY.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	13:00	7.00	2	Drilling	DRILL FROM 21,903' TO 22,493' (590' @ 84 FPH) WOB-30K, GPM-272, RPM-110, DIFF 800-1000, TQ. 15-16K
13:00	15:00	2.00	2	Drilling	CONTROL DRILL @ 50 FPH FROM 22,493' TO 22,593' (100 @ 50 FPH) WOB-15K, GPM-272, RPM-110
15:00	18:30	3.50	5	Circ/Cond	RECIPROCATATE PIPE WHILE CIRCULATING HOLE CLEAN (RPM'S-40 UPSTROKE AND 80 ON DOWN STROKE), FLOW CHECK- WELL STATIC INITIAL P/U-285, S/O-NA, TORQUE-8000 FINAL P/U-245, S/O-NA, TORQUE-6500
18:30	03:30	9.00	6	Trip	POOH FOR PRODUCTION CASING FROM 22,593' TO BHA. HOLE TAKING CORRECT FILL.
03:30	05:15	1.75	95	L/D BHA	LAY DOWN MOTOR AND TOMAX. REMOVE MWD TOOL. BREAK BIT AND LAY DOWN 2 NMPC AND UBHO.
05:15	05:45	0.50	23	Other	PULL WEAR BUSHING AND CLEAN AND ORGANIZE RIG FLOOR.
05:45	06:00	0.25	12	CSG & CMT	RIG UP BUTCH'S CASING AND SUPERIOR TORQUE TURN EQUIPMENT, HELD PJSM

**Mud Checks**

Time 18:00	Type AES VERT	Depth (ftKB) 22,593.0	Density (lb/gal) 13.70	Funnel Viscosity (s/qt) 76	PV Calc (cP) 28.0	YP Calc (lb/100ft²) 8.000
Gel 10 sec (lb/100ft²) 8	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/100ft²) 14	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 30.0
MBT (lb/bbl)	Percent Oil (%) 55.5	Percent Water (%) 14.5	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 450.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
22,278.00	91.40	74.40	11,691.26	10,058.30	3,035.16	9,592.02	1.45	1.17	0.86
22,373.00	91.14	73.83	11,689.16	10,153.27	3,061.15	9,683.36	0.66	-0.27	-0.60
22,468.00	90.64	73.94	11,687.68	10,248.26	3,087.52	9,774.62	0.54	-0.53	0.12
22,557.00	90.30	73.54	11,686.95	10,337.25	3,112.44	9,860.06	0.59	-0.38	-0.45
22,593.00	90.30	73.54	11,686.76	10,373.25	3,122.64	9,894.58	0.00	0.00	0.00

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	34	3/24/2024	0	3/24/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 20.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 16.75	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 803,875	Cum Field Est To Date (Cost) 4,009,857		
Start Depth (ftKB) 22,593.0	End Depth (ftKB) 22,593.0	Start Depth (TVD) (ftKB) 11,686.8	End Depth (TVD) (ftKB) 11,686.8	Target Depth (ftKB) 22,612	Target Formation Wolfcamp
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 43.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 10.82	Time Log - Problem Hours (hr) 24.00	Cum Up Time - Down Time (hr) 360.75

Operations at Report Time DISPLACING CEMENT	Operations Next Report Period FINISH CEMENTING, RIG DOWN CEMENTING CREW ,LAY DOWN LANDING JOINT AND INSTALL AND TEST PACK OFF, NIPPLE DOWN, INSTALL BPV AND T.A.C., RELEASE RIG TO THE UL GENE PARMESAN A1 #9UA.
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Operations Summary  
FINISH RIGGING UP CASING, RUN CASING FROM SURFACE TO 22,570', LAND OUT WITH 100K ON HANGER, CIRCULATE CASING VOLUMES, R/U AMERICAN CEMENTERS AND CEMENT 5½" PRODUCTION CASING AS PER COMPANY PROGRAM,

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISKS: RUNNING CASING, KEEPING GOOD LINE OF SIGHT WITH DRILLER, PROPER HAND PLACEMENT, RESPECTING BUFFER ZONES, PROPER LIFTING, PROPER PIPE ROLLING ON RACKS STRUCK BY OBJECTS, PRESSURE WASHING SAFETY, CEMENTING, HIGH PRESSURE LINES, SLIPS TRIPS AND FALLS, LINE OF FIRE, 360 AWARENESS, WORKING WITH THIRD PARTY.

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	07:30	1.50	12	CSG & CMT	RIG UP BUTCH'S CASING CREW AND SUPERIOR TORQUE TURN EQUIPMENT, HELD PJSM WITH ALL PERSONNEL
07:30	00:00	16.50	12	CSG & CMT	MAKE UP (1) JOINT SHOE TRACK, CHECK FLOATS-OK, RUN 5½" 20# HP-110 TALON PRODUCTION CASING TO 22,570'. LAND CASING W/100K ON HANGER. FLOAT COLLAR AT 22,521' MARKER JTS. @ 21,999' & 11,093'
00:00	02:00	2.00	5	Circ/Cond	CIRCULATE 1.1 X CAPACITY OF CASING AT 4 BPM WHILE R/D CASING CREW AND R/U CMT LINES
02:00	06:00	4.00	12	CSG & CMT	R/D CRT, R/U CEMENT HEAD AND LINES. TEST LINES TO 8000 PSI, PUMP 50 BBLS OF 13.8 PPG SPACER, PUMP TAIL CEMENT SLURRY:1537 SKS - 356 BBLS @ 14 PPG. SHUT DOWN WASH UP ON TOP, DROP LATCH PLUG AND DISPLACE WITH FIRST 20 BBLS SUGAR WATER+ 480 BBLS OF BRINE WATER W/CORROSION INHIBITOR.

**Mud Checks**

Time 13:00	Type AES VERT	Depth (ftKB) 22,593.0	Density (lb/gal) 13.90	Funnel Viscosity (s/qt) 81	PV Calc (cP) 29.0	YP Calc (lb/100ft²) 8.000
Gel 10 sec (lb/100ft²) 8	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/100ft²) 14	Filterate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 31.0
MBT (lb/bbl)	Percent Oil (%) 54.0	Percent Water (%) 15.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 405.0

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
22,593.00	90.30	73.54	11,686.76	10,373.25	3,122.64	9,894.58	0.00	0.00	0.00

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01
Production	3/24/2024	22,570.0	11,686.9	5 1/2	4.778	20.00	HP P-110	22,544.83

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	36	3/25/2024	0	3/25/2024	1

**Well Name: UL GENE PARMESAN A2 01H**

API Number 42475387330000	Surface Legal Location Sec. 21, B1k 18, UL, A-U100	Permit # 896468	State TX	Field Name OUTLAW	County WARD
Job Category Drilling	Primary Job Type Original	Report Number 21.0	Depth Progress (ft) 0.00	Cum Time Log Sp (days) 16.92	
Spud Date 2/1/2024	Rig Release Date 3/25/2024	Original KB Elevation (ft) 2,831.58	KB-Ground Distance (ft) 23.50	Rig Cactus Drilling Company, LLC, 162	

**Daily Cost Summary**

AFE Number DC231032	Total AFE + Supp Amount (Cost) 4,583,041	Daily Field Est Total (Cost) 132,373	Cum Field Est To Date (Cost) 4,142,230
Start Depth (ftKB) 22,593.0	End Depth (ftKB) 22,593.0	Start Depth (TVD) (ftKB) 11,686.8	End Depth (TVD) (ftKB) 11,686.8
Target Depth (ftKB) 22,612	Target Formation Wolfcamp		
Problem Time Hours (hr) 0.00	Cum Problem Time Hours (hr) 43.75	Percent Problem Time (%) 0.00	Cum Percent Problem Time (%) 10.71
Time Log - Problem Hours (hr) 4.00	Cum Up Time - Down Time (hr) 364.75		

Operations at Report Time RELEASED RIG TO THE GENE PARMESAN A1 #09UA	Operations Next Report Period RELEASED RIG TO THE GENE PARMESAN A1 #09UA
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Operations Summary  
FINISHING PUMPING DISPLACEMENT, INSTALL AND TEST PACK-OFF, NIPPLE DOWN BOPE, INSTALL BPV AND TA CAP. RELEASED RIG TO THE GENE PARMESAN A1 #09UA AT 1000 AM ON 3/25/24.

HSE Risk  
NO INCIDENTS, ACCIDENTS, OR SPILLS. HSE RISK: HIGH PRESSURE LINES, CONFINED SPACES, MANLIFT OPS, FORKLIFT OPS

**Time Log**

Start Time	End Time	Dur (hr)	Code 1	Code 2	Com
06:00	06:45	0.75	12	CSG & CMT	FINISH PUMPING DISPLACEMENT, FINAL LIFT 4,600, BUMPED PLUG TO 5,190 PSI, BLED OFF-GOT BACK 2.5 BBLS, PRESSURED BACK UP TO RUPTURE PLUG, PLUG RUPTURED @ 6,020 PSI, PUMPED AN ADDITIONAL 3 BBLS FOR WET SHOE, BLED OFF PSI, GOT BACK 5 BBLS- FLOATS HELD. HAD FULL RETURNS THROUGHOUT, CIRCULATED 2 BBLS OF SPACER BACK TO SURFACE. (EST. TOC @ 3,000'). RIG DOWN CEMENTERS TOTAL OBM LOSSES-10 BBLS
06:45	07:45	1.00	23	Other	FLUSH OUT BOP'S, INSTALL PACK OFF, TEST TO 10K ENGAGE TOOL AND PULL 40K OVER. L/D RUNNING TOOL.
07:45	10:00	2.25	14	RU/RD BOP	NIPPLE DOWN BOPE, INSTALL BPV, AND TA CAP. ***RELEASED RIG TO THE GENE PARMESAN A1 #09UA @ 1000 AM ON 3/25/24***

**Survey Data**

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
22,593.00	90.30	73.54	11,686.76	10,373.25	3,122.64	9,894.58	0.00	0.00	0.00

**Casing Strings**

Csg Des	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	ID Nom Min (in)	Wt/Len (lb/ft)	Grade	Len (ft)
Conductor	12/23/2023	110.0	110.0	20	19	106.50	J-55	86.50
Surface	2/1/2024	1,215.0	1,214.9	10 3/4	9.95	45.50	J-55	1,190.26
Intermediate	2/16/2024	11,622.0	11,510.2	7 5/8	6.87	29.70	HCL-80	11,597.01
Production	3/24/2024	22,570.0	11,686.9	5 1/2	4.778	20.00	HP P-110	22,544.83

**Safety Check Summary**

Type	# Occur	Last Date	Days Last Chk (days)	Next Date	Days Until Next Check (days)
Safety Meeting	36	3/25/2024	0	3/26/2024	1