



## Daily Partner Report

**Report End Date: 2/2/2024**  
**Report #: 1.0, DFS: 0.42**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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



Daily Partner Report

Report End Date: 2/10/2024  
Report #: 2.0, DFS: 0.75

Well Name: UL GENE PARMESAN A2 01H

API Number 42475387330000	Surface Legal Location Sec. 21, Blk 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, Blk 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 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 ENLERITE 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 08:00	Type EnerLITE	Depth (ftKB) 1,334.0	Density (lb/gal) 9.50	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 3.000
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 (%) 7.4
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 92.6	Chlorides (mg/L) 110,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 18:00	Type EnerLITE	Depth (ftKB) 3,613.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 3.000
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 8.2	Solids (%) 9.7
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 90.3	Chlorides (mg/L) 112,000	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)
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



## Daily Partner Report

Report End Date: 2/12/2024

**Report #: 4.0, DFS: 2.75**

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

API Number 42475387330000	Surface Legal Location Sec. 21, Blk 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	Operations Next Report Period
POOH FOR BIT	DRILL INTERMEDIATE SECTION

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



## Daily Partner Report

**Report End Date: 2/13/2024**  
**Report #: 5.0, DFS: 3.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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 06:00	Type WBM	Depth (ftKB) 9,171.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 3.000
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 (%) 9.7
MBT (lb/bbl) 0.0	Percent Oil (%) 0.0	Percent Water (%) 90.3	Chlorides (mg/L) 118,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 20:00	Type WBM	Depth (ftKB) 9,756.0	Density (lb/gal) 9.90	Funnel Viscosity (s/qt) 28	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 3.000
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 (%) 10.5
MBT (lb/bbl) 0.0	Percent Oil (%) 0.0	Percent Water (%) 89.5	Chlorides (mg/L) 110,000	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)
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







## Daily Partner Report

**Report End Date: 2/15/2024**  
**Report #: 7.0, DFS: 5.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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 10:00	Type WBM	Depth (ftKB) 10,008.0	Density (lb/gal) 9.95	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 (%) 10.8
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 89.2	Chlorides (mg/L) 115,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 10:00	Type WBM	Depth (ftKB) 11,044.0	Density (lb/gal) 10.00	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 (%) 11.2
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 88.8	Chlorides (mg/L) 134,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 18:00	Type WBM	Depth (ftKB) 10,008.0	Density (lb/gal) 9.95	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 (%) 10.8
MBT (lb/bbl)	Percent Oil (%) 0.0	Percent Water (%) 89.2	Chlorides (mg/L) 124,000	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)
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, Blk 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

## 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





## Daily Partner Report

**Report End Date: 2/17/2024**  
**Report #: 9.0, DFS: 7.54**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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, NIPPLING 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 09:00	Type WBM	Depth (ftKB) 11,642.0	Density (lb/gal) 9.85	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 (%) 10.1
MBT (lb/bbl) 0.0	Percent Oil (%) 0.0	Percent Water (%) 89.9	Chlorides (mg/L) 125,000	Calcium (mg/L) 0.000	Potassium (mg/L)	Electric Stab (V)
Time 18:00	Type WBM	Depth (ftKB) 11,642.0	Density (lb/gal) 9.85	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 (%) 10.1
MBT (lb/bbl) 0.0	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

[illegible]

## 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, Blk 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 Partner Report

**Report End Date: 3/17/2024**  
**Report #: 12.0, DFS: 8.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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 DRILLING AHEAD IN 6 3/4" LATERAL	Operations Next Report Period CONTINUE DRILLING 6 3/4" LATERAL.
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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 ICRIUSE & 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% 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% 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 (lb/100ft²) 6.000
Gel 10 sec (lb/100ft²) 7	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/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



## Daily Partner Report

**Report End Date: 3/18/2024**  
**Report #: 13.0, DFS: 9.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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	Operations Next Report Period
DRILLING AHEAD IN 6 3/4" LATERAL	CONTINUE DRILLING 6 3/4" LATERAL.

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' TO13,397' (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' TO14,170' (773' @ 60 FPH) WOB-28K, GPM-290, RPM-110, TQ-5500, DIFF-600. 8 DOWNLINKS.

## Mud Checks

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



## Daily Partner Report

**Report End Date: 3/19/2024**  
**Report #: 14.0, DFS: 10.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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 <b>DC231032</b>		Total AFE + Supp Amount (Cost) <b>4,583,041</b>		Daily Field Est Total (Cost) <b>133,325</b>		Cum Field Est To Date (Cost) <b>2,500,014</b>	
Start Depth (ftKB) <b>14,170.0</b>		End Depth (ftKB) <b>16,190.0</b>		Start Depth (TVD) (ftKB) <b>11,755.2</b>		End Depth (TVD) (ftKB) <b>11,772.8</b>	
Target Depth (ftKB) <b>22,612</b>		Target Formation <b>Wolfcamp</b>					
Problem Time Hours (hr) <b>0.00</b>		Cum Problem Time Hours (hr) <b>42.75</b>		Percent Problem Time (%) <b>0.00</b>		Cum Percent Problem Time (%) <b>16.41</b>	
Time Log - Problem Hours (hr) <b>24.00</b>		Cum Up Time - Down Time (hr) <b>217.75</b>					

Operations at Report Time DRILLING AHEAD IN 6 3/4" LATERAL	Operations Next Report Period CONTINUE DRILLING 6 3/4" LATERAL.
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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:.,PROPERHAND 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 10:00	Type AES VERT	Depth (ftKB) 14,535.0	Density (lb/gal) 12.80	Funnel Viscosity (s/qt) 77	PV Calc (cP) 27.0	YP Calc (lb/100ft²) 9.000
Gel 10 sec (lb/100ft²) 8	Gel 10 min (lb/100ft²) 12	Gel 30 min (lb/100ft²) 15	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 26.0
MBT (lb/bbl)	Percent Oil (%) 58.0	Percent Water (%) 16.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 430.0
Time 18:00	Type AES VERT	Depth (ftKB) 15,195.0	Density (lb/gal) 12.80	Funnel Viscosity (s/qt) 79	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 (%) 26.5
MBT (lb/bbl)	Percent Oil (%) 58.5	Percent Water (%) 15.0	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)
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





## Daily Partner Report

**Report End Date: 3/20/2024**  
**Report #: 15.0, DFS: 11.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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	

<p>Operations at Report Time</p> <p>TRIPPING IN THE HOLE WITH 6 3/4" LATERAL ASSEMBLY</p>	<p>Operations Next Report Period</p> <p>CONTINUE TRIPPING IN THE HOLE TO 16,927' AND CONTINUE DRILLING 6 3/4" LATERAL.</p>
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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:;PROPERHAND 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



## Daily Partner Report

**Report End Date: 3/21/2024**  
**Report #: 16.0, DFS: 12.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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	Operations Next Report Period
DRILLING AHEAD IN 6 3/4" LATERAL	CONTINUE DRILLING 6 3/4" LATERAL.

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



## Daily Partner Report

**Report End Date: 3/22/2024**  
**Report #: 17.0, DFS: 13.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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'.
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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.

## Time Log

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 08:50	Type AES VERT	Depth (ftKB) 18,360.0	Density (lb/gal) 13.10	Funnel Viscosity (s/qt) 82	PV Calc (cP) 27.0	YP Calc (lb/100ft²) 12.000
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 (%) 27.5
MBT (lb/bbl)	Percent Oil (%) 56.5	Percent Water (%) 16.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 525.0
Time 18:00	Type AES VERT	Depth (ftKB) 19,206.0	Density (lb/gal) 13.10	Funnel Viscosity (s/qt) 78	PV Calc (cP) 26.0	YP Calc (lb/100ft²) 11.000
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 (%) 27.2
MBT (lb/bbl)	Percent Oil (%) 57.3	Percent Water (%) 15.5	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V) 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



## Daily Partner Report

**Report End Date: 3/23/2024**  
**Report #: 18.0, DFS: 14.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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.
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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 09:30	Type AES VERT	Depth (ftKB) 20,345.0	Density (lb/gal) 13.30	Funnel Viscosity (s/qt) 76	PV Calc (cP) 25.0	YP Calc (lb/100ft²) 10.000
Gel 10 sec (lb/100ft²) 7	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 (%) 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/100ft²) 8.000
Gel 10 sec (lb/100ft²) 6	Gel 10 min (lb/100ft²) 11	Gel 30 min (lb/100ft²) 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



## Daily Partner Report

**Report End Date: 3/24/2024**  
**Report #: 19.0, DFS: 15.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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"  
 PRODCUTION 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



## Daily Partner Report

**Report End Date: 3/25/2024**  
**Report #: 20.0, DFS: 16.75**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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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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 5 1/2" 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	Filtrate (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





## Daily Partner Report

**Report End Date: 3/26/2024**  
**Report #: 21.0, DFS: 16.92**

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

API Number 42475387330000		Surface Legal Location Sec. 21, Blk 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	
Problem Time Hours (hr) 0.00		Cum Problem Time Hours (hr) 43.75		Percent Problem Time (%) 0.00		Cum Percent Problem Time (%) 10.71	
						Target Depth (ftKB) 22,612	
						Target Formation Wolfcamp	
						Time Log - Problem Hours (hr) 4.00	
						Cum Up Time - Down Time (hr) 364.75	

Operations at Report Time	Operations Next Report Period
RELEASED RIG TO THE GENE PARMESAN A1 #09UA	RELEASED RIG TO THE GENE PARMESAN A1 #09UA

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, BLEED 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, BLEED 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