

SABLE PERMIAN RESOURCES, LLC

Daily Drilling Partner Report

UNIVERSITY LANDS 10 35-23 13HK

WELL NO.
INTEGRITY 3

Report Date

Report #

Projected Days

Drilling Days

Current Depth

Depth Progress

Planned VS

Current VS

AFE #

Total AFE

7/8/2019

1

0.00

0.42

450

410

1550782

3,640,000

API 42383406890000		Surface Legal Location UL SURVEY, A-U232, BLOCK 10		Latitude 31.2357190000	Longitude -101.5459610900	Orig KB El...	RKB (ft)	County REAGAN	State TEXAS					
Report Summary														
Well Spud 7/7/2019	TD Date	RR Date 7/9/2019	Target Formation		Proposed TD (ftKB)	Target Line		Daily Field Est (Cost) 160,737	Cum Field Est (Cost) 160,737					
Status at Report Time Drilling ahead at 458ft.														
Operations Summary 0 HSE MIRU Integrity 3, PU BHA 1. Drilled f/ 40ft to 458ft.					Planned Operations Drill to surface TD circulate, TOO H, LD BHA, run and cement surface casing, test casing, run surface gyro, install wellhead, grout cellar.									
TRRC: Spoke to Chirs, operator 39, 07/06/19 at 08:15. Job number: 184402														
Start MD (ftKB) 40		End MD (ftKB) 450		Depth Progress (ft) 410		Drilling Time (hr) 9.00		Avg ROP (ft/hr) 45.6	Time Since LTI (days)	Time Since RI (days)				
Daily Time Log														
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments		Hole Section	Interval	Category	Activity	NPT			
19:00	20:00	1.00	40	40	MIRU Integrity 3.		SURF	VERT	DRILL	RIG UP/RIG DOWN	No			
20:00	20:30	0.50	40	40	PU BHA 1.		SURF	VERT	DRILL	P/U & L/D BHA	No			
20:30	21:00	0.50	40	70	Well spud: 07/07/19 at 20:00. Drilled f/ 40ft to 70ft.		SURF	VERT	DRILL	DRILL W/ AIR	No			
21:00	22:00	1.00	70	70	Changed head rubber and changed top drive oil. While WOC f/ 12HA. Gray clay in returns.		SURF	VERT	DRILL	BOP/OTHER	No			
22:00	06:00	8.00	100	459	Drilled f/ 100ft to 458ft.		SURF	VERT	DRILL	DRILL W/ AIR	No			
Drilling Parameters														
Start Depth (ftKB)	End Depth (ftKB)	Rot Time (hr)	Slide Time (hr)	Int ROP (ft/hr)	TFO (°)	dP (SPP) (psi)	WOB (1000lbf)	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq	
40	70	1.00	0.00	30.0			1			1				
70	450	8.00	0.00	47.5			1			1				
Bit Information														
Size (in)	Make	Model	Type	Dull Out	Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled This Job (ft)	Job Drill Hrs (hr)	Avg ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	WOB Max (1000lbf)	Max RPM (rpm)
17 1/2	NUMA	N125	HAMMER BIT	-----	40	459	410.00	11.50	35.7	11.50		35.7	1	2
Current BHA Components														
BHA No	Item Description				Make	Model	OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)	
1	XO SUB				INTEGRITY	INTEGRITY	5 1/2	1	1.33	IF				
1	DRILL COLLAR				INTEGRITY	INTEGRITY	5 1/2	1	28.06	FH				
1	DRILL COLLAR				INTEGRITY	INTEGRITY	5 1/2	1	28.45	FH				
1	XO SUB				INTEGRITY	INTEGRITY	5 1/2	1	1.98	FH				
1	DRILL COLLAR				INTEGRITY	INTEGRITY	8	1	30.76	REG				
1	AIR HAMMER				INTEGRITY	INTEGRITY	10.63	1	6.58	REG				
Wellbore Design														
Casing Description				Run Date	OD (in)	Wt (lb/ft)	Grade	Conn	Set Depth (ftKB)	Length (ft)				
CONDUCTOR				6/1/2019	20	106.50	J-55	WELDED	40.0	40.00				
SURFACE				7/9/2019	13 3/8	54.50	J-55	BUTTRESS THREAD	1,119.0	1,120.29				
Survey Data														
MD (ftKB)		Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	BUR (°/100ft)					
Mud Logging Information														
Max Trip Gas (units)				Avg Drill Gas (units)				Max Drill Gas (units)						
Geological Data														
Formation Name					Prog Top TVD (ftKB)		Drill Top MD (ftKB)		Drill Top (TVD) (ftKB)					

SABLE PERMIAN RESOURCES, LLC
Daily Drilling Partner Report

UNIVERSITY LANDS 10 35-23 13HK

WELL NO.
INTEGRITY 3

Report Date 7/9/2019
Report # 2
Projected Days 0.00
Drilling Days 1.42
Current Depth 1,121
Depth Progress 662
Planned VS
Current VS
AFE # 1550782
Total AFE 3,640,000

API 42383406890000		Surface Legal Location UL SURVEY, A-U232, BLOCK 10		Latitude 31.2357190000	Longitude -101.5459610900	Orig KB El...	RKB (ft)	County REAGAN		State TEXAS						
Report Summary																
Well Spud 7/7/2019	TD Date	RR Date 7/9/2019	Target Formation		Proposed TD (ftKB)	Target Line			Daily Field Est (Cost) 950		Cum Field Est (Cost) 161,687					
Status at Report Time Laying down BHA 1.																
Operations Summary 0 HSE Drilled without any progress and decided to trip for bit. TOO H. LD BHA 1. Waited on bit. PU BHA 2. TIH. Drilled f/ 458ft to 1123ft. Pumped cleanup cycle. TOO H. Began LD BHA 2.						Planned Operations Finish LD BHA 2. Run and cement surface casing. RDMO.										
Start MD (ftKB) 459		End MD (ftKB) 1,121		Depth Progress (ft) 662		Drilling Time (hr) 13.00		Avg ROP (ft/hr) 50.9		Time Since LTI (days)		Time Since RI (days)				
Daily Time Log																
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments			Hole Section	Interval	Category	Activity	NPT				
06:00	08:30	2.50	459	459	Drilled f/ 459ft to 459ft. No progress. Decision was made to trip for bit.			SURF	VERT	DRILL	DRILL W/ AIR	No				
08:30	09:00	0.50	459	459				SURF	VERT	DRILL	TRIPS	No				
09:00	09:30	0.50	459	459	LD BHA 1. Wait on bit			SURF	VERT	DRILL	P/U & L/D BHA	No				
09:30	14:00	4.50	459	459				SURF	VERT	DRILL	STANDBY	No				
14:00	14:30	0.50	459	459	PU BHA 2 TIH			SURF	VERT	DRILL	P/U & L/D BHA	No				
14:30	15:00	0.50	459	459				SURF	VERT	DRILL	TRIPS	No				
15:00	01:30	10.50	459	1,121	Drilled f/ 459ft to 1121ft. Pumped sweeps and circulated			SURF	VERT	DRILL	DRILL W/ AIR	No				
01:30	02:30	1.00	1,121	1,121				SURF	VERT	DRILL	CLEANUP CYCLE	No				
02:30	03:30	1.00	1,121	1,121	Pumped polymer pill. TOOH			SURF	VERT	DRILL	CLEANUP CYCLE	No				
03:30	05:30	2.00	1,121	1,121				SURF	VERT	DRILL	TRIPS	No				
05:30	06:00	0.50	1,121	1,121	LD BHA 2.			SURF	VERT	DRILL	P/U & L/D BHA	No				
Drilling Parameters																
Start Depth (ftKB)		End Depth (ftKB)	Rot Time (hr)	Slide Time (hr)	Int ROP (ft/hr)	TFO (°)	dP (SPP) (psi)	WOB (1000lbf)	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq		
459		459	2.50	0.00	0.0			1			1					
459		1,121	10.50	0.00	63.0			1			1					
Bit Information																
Size (in)	Make	Model	Type	Dull Out	Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled This Job (ft)	Job Drill Hrs (hr)	Avg ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	WOB Max (1000lbf)	Max RPM (rpm)		
17 1/2	NUMA	N125	HAMMER BIT	-----	40	459	410.00	11.50	35.7	11.50		35.7	1	2		
17 1/2	NUMA	N125	HAMMER BIT	-----	459	1,121	662.00	10.50	63.0	10.50		63.0	1	2		
Current BHA Components																
BHA No	Item Description			Make		Model		OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)		
2	XO SUB			INTEGRITY		INTEGRITY		5 1/2	1	1.33	IF					
2	DRILL COLLAR			INTEGRITY		INTEGRITY		5 1/2	1	28.06	FH					
2	DRILL COLLAR			INTEGRITY		INTEGRITY		5 1/2	1	28.45	FH					
2	XO SUB			INTEGRITY		INTEGRITY		5 1/2	1	1.98	FH					
2	DRILL COLLAR			INTEGRITY		INTEGRITY		8	1	30.76	REG					
2	AIR HAMMER			INTEGRITY		INTEGRITY		10.63	1	6.58	REG					
Wellbore Design																
Casing Description				Run Date		OD (in)		Wt (lb/ft)		Grade		Conn		Set Depth (ftKB)	Length (ft)	
CONDUCTOR				6/1/2019		20		106.50		J-55		WELDED		40.0	40.00	
SURFACE				7/9/2019		13 3/8		54.50		J-55		BUTTRESS THREAD		1,119.0	1,120.29	
Survey Data																
MD (ftKB)		Incl (°)		Azim (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		BUR (°/100ft)
Mud Logging Information																
Max Trip Gas (units)					Avg Drill Gas (units)					Max Drill Gas (units)						
Geological Data																
Formation Name						Prog Top TVD (ftKB)			Drill Top MD (ftKB)			Drill Top (TVD) (ftKB)				

**WELL NO.
INTEGRITY 3**

Report Date	7/9/2019
Report #	3
Projected Days	0.00
Drilling Days	2.06
Current Depth	1,121
Depth Progress	0
Planned VS	
Current VS	
AFE #	1550782
Total AFE	3,640,000

API 42383406890000		Surface Legal Location UL SURVEY, A-U232, BLOCK 10		Latitude 31.2357190000	Longitude -101.5459610900	Orig KB El...	RKB (ft)	County REAGAN		State TEXAS							
Report Summary																	
Well Spud 7/7/2019	TD Date	RR Date 7/9/2019	Target Formation		Proposed TD (ftKB)	Target Line			Daily Field Est (Cost) 2,600		Cum Field Est (Cost) 164,287						
Status at Report Time Rig released. Wait on pad drilling.																	
Operations Summary 0 HSE LD BHA 2. Run surface casing. Pumped surface casing cement, no returns. WOC. Run surface gyro and temp log. Pumped top out. RDMO Integrity 3.						Planned Operations Install wellheads and grout cement.											
Rig released: 07/09/19 at 22:00. Spud to RR: 50hrs Next well: UL 10 08HK																	
Start MD (ftKB) 1,121		End MD (ftKB) 1,121		Depth Progress (ft) 0		Drilling Time (hr)		Avg ROP (ft/hr)		Time Since LTI (days)		Time Since RI (days)					
Daily Time Log																	
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments		Hole Section	Interval	Category	Activity		NPT					
06:00	07:00	1.00	1,121	1,121	LD BHA 2.		SURF	VERT	DRILL	P/U & L/D BHA		No					
07:00	10:30	3.50	1,121	1,121	Make up one joint shoe track, Baker loc'd and welded shoe track and strap welded Texas pattern shoe, float collar ran 1159.02ft (29 jts) of 13 3/8, J-55, 54.5 ppf BTC surface casing. Centralizers installed on every 4th joint. Shoe at 1154 ft. RKB Float collar at 1111.72 ft RKB.		SURF	VERT	CSG/CEMENT	RUN CASING		No					
10:30	14:00	3.50	1,121	1,121	Note: On the 14th joint hit sand at 530ft, had to start washing and working casing down from there. Mixed and pumped 13 3/8 in surface casing primary cement job as follows: 20 bbls of probond spacer, 30bbls of fresh water, , 222 bbls of 12.8 ppg lead slurry 775(sx) at 6 bpm, 89bbls of 14.8 ppg tail slurry at 6 bpm (375sx). .Dropped top plug and displaced with 173 bbls of water at 6 bpm. Slowed rate to 2 bpm, Bumped plug, final lift pressue at 320 psi. held 500 psi over final lift pressure to 950 psi., held for 5 minutes. Bled back 1.25 bbls. 0 bbls of cement returned to surface.		SURF	VERT	CSG/CEMENT	RUN CEMENT		No					
14:00	17:30	3.50	1,121	1,121	Tested surface casing to 1000 psi for 30 min - Test good.		SURF	VERT	CSG/CEMENT	WAIT ON CEMENT		No					
17:30	18:30	1.00	1,121	1,121	WOC Ran surface gyro and temp log. Found TOC at 530ft GLM.		SURF	VERT	CSG/CEMENT CSG/CEMENT	CASED HOLE LOGS		No					
18:30	21:00	2.50	1,121	1,121	Received permission from Ike at TRRC to top out.		SURF	VERT	CSG/CEMENT	RUN CEMENT		No					
21:00	21:30	0.50	1,121	1,121	Pumped 80bbls of top out cement at 13.5ppg. 1bbl to surface. RDMO Integrity 3.		SURF	VERT	CSG/CEMENT CSG/CEMENT	RIG UP/RIG DOWN		No					
Rig released 07/09/19 at 22:00.																	
Drilling Parameters																	
Start Depth (ftKB)		End Depth (ftKB)		Rot Time (hr)	Slide Time (hr)	Int ROP (ft/hr)	TFO (°)	dP (SPP) (psi)	WOB (1000lbf)	Q Rate (gpm/cfm)	SPP (psi)	RPM (rpm)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drill Tq		
Bit Information																	
Size (in)	Make		Model	Type	Dull Out	Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled This Job (ft)	Job Drill Hrs (hr)	Avg ROP (ft/hr)	Rot Time (hr)	Slide Time (hr)	Rot ROP (ft/hr)	WOB Max (1000lbf)	Max RPM (rpm)		
17 1/2	NUMA		N125	HAMMER BIT	-----	40	459	410.00	11.50	35.7	11.50		35.7	1	2		
17 1/2	NUMA		N125	HAMMER BIT	-----	459	1,121	662.00	10.50	63.0	10.50		63.0	1	2		
Current BHA Components																	
BHA No	Item Description					Make		Model	OD (in)	Jts	Length (ft)	Top Thread	Gauge (in)	Fish Neck OD (in)	FN Len (ft)		
2	XO SUB					INTEGRITY		INTEGRITY	5 1/2	1	1.33	IF					
2	DRILL COLLAR					INTEGRITY		INTEGRITY	5 1/2	1	28.06	FH					
2	DRILL COLLAR					INTEGRITY		INTEGRITY	5 1/2	1	28.45	FH					
2	XO SUB					INTEGRITY		INTEGRITY	5 1/2	1	1.98	FH					
2	DRILL COLLAR					INTEGRITY		INTEGRITY	8	1	30.76	REG					
2	AIR HAMMER					INTEGRITY		INTEGRITY	10.63	1	6.58	REG					
Wellbore Design																	
Casing Description						Run Date		OD (in)	Wt (lb/ft)	Grade		Conn		Set Depth (ftKB)	Length (ft)		
CONDUCTOR						6/1/2019		20	106.50	J-55		WELDED		40.0	40.00		
SURFACE						7/9/2019		13 3/8	54.50	J-55		BUTTRESS THREAD		1,119.0	1,120.29		
Survey Data																	
MD (ftKB)		Incl (°)		Azim (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		BUR (°/100ft)	
750		0.15		59.55		750		0.15		1.60		-0.88		0.16		-0.10	
800		0.37		146.51		800		0.06		1.50		-0.74		0.78		0.44	
850		0.09		187.04		850		0.05		1.33		-0.65		0.61		-0.56	
900		0.15		173.20		900		0.09		1.22		-0.65		0.13		0.12	
950		0.36		153.15		950		0.10		1.02		-0.57		0.45		0.42	
1,000		0.70		194.34		1,000		0.29		0.58		-0.58		0.98		0.68	
1,050		0.92		196.33		1,050		0.74		-0.10		-0.77		0.44		0.44	
1,065		1.29		195.07		1,065		0.92		-0.38		-0.84		2.47		2.47	
Mud Logging Information																	
Max Trip Gas (units)						Avg Drill Gas (units)						Max Drill Gas (units)					
Geological Data																	
Formation Name								Prog Top TVD (ftKB)		Drill Top MD (ftKB)			Drill Top (TVD) (ftKB)				