

PINNERGY 4	
Accept:	11/5/2022
Release:	
Days Since LTI:	
Days Since RI:	

Daily Drilling Report

PERMIAN ASSET TEAM	
Job:	ODR
Report Date:	11/06/2022
Report #:	1
DFS:	0
AFE #:	9019715
Total AFE + Sup:	\$3,328,718.68
Daily Field Est. (Cost):	\$194,474.68

API/UWI 42-003-48493-0000	Well Profile HORIZONTAL	Open Formation LOWER SPRABERRY SHALE (SPBY L C1)	Field Name SPRABERRY (TREND AREA)
SSN ID00003262	Property Sub	KB-Grd (ft) 26.00	Orig KB Elevation (ft) 2,989.00
		Ground Elevation (ft) 2,963.00	Spud Date 11/5/2022
			TD Date

Jobs						
Responsible Grp 2	Responsible Grp 3	Job Type	Start Date	End Date	Job Status	
DRL ENG - JACKIE LUTHER	AREA TEAM 2	ODR	11/5/2022 19:00		IN PROGRESS	

Job Dates (ex. Estimated Pad Release, TXRRC Calls)			
Type	Subtype	Date	Note
TXRRC CALL	SPUD	11/5/2022 20:00	Operator #4 Makayla
TXRRC CALL	CEMENT SURF	11/5/2022 20:00	Operator #4 Makayla

Daily Operations							
Footage/Meterage (ft)	Drilling Hours	% Rotating Time	End Depth (ftKB)	Target Depth (ftKB)	Daily Field Est Total	Cum Field Est To Date	
1,027.00	8.00	93.75	1,133.0		\$194,474.68	\$194,474.68	

24 HR ROP (ft/hr)	Circulating Hours	% Sliding Time	End Depth (TVD) (ftKB)	Target Depth (TVD) (ftKB)	Daily Mud Field Est Total	Cum Mud Field Est	Total AFE + Sup
128.4		6.25	1,133.0		\$	\$	\$3,328,718.68

Daily Goal Description		Daily Goal - Last 24		Daily Goal - Next 24		Goal Comments	
Backbuild	Lateral Inclusion	Last Casing String CONDUCTOR, 106.0ftKB		Next Casing String ftKB			
Avg Connection Gas	Avg Trip Gas	Avg Background Gas	Max Connection Gas	Max Trip Gas	Max Drill Gas		

Operations Summary
Rig down f/University 7-20 E 5H, skid to University 7-20 F 6H, rig up over conductor, pre spud & drops inspection, pick up meteorite mud motor, drill f/87' t/1114' ,

Operations Next Report Period
Drill F/1114' T/TD @1970', Circ & condition hole, L/D drill pipe, lay out bha, run 47 jts 13 3/8" csg, cement surface casing, back out landing jt, release rig t/University 6-48A 10

Operations At Report Time
Drill 17 1/2" surface @ 1114'

Remarks

Time Log										
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com	Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs	Prob Ref #
19:00	0.5	19:30	CONST, DRL SURF	RD RDMO	NORMAL	Rig down from University 7-20 E 5H	106.0	106.0		
19:30	0.5	20:00	CONST, DRL SURF	SKID	NORMAL	Rig up on the University 7-20 F 6H, spot unit over the hole. (Well #6 out of 6)	106.0	106.0		
20:00	1	21:00	CONST, DRL SURF	RU MIRU	NORMAL	Spot dog house, pipe loader, pipe racks and rig up	106.0	106.0		
21:00	0.5	21:30	CONST, DRL SURF	RIG_INSP	NORMAL	Pre spud inspection, function test and complete drops inspection	106.0	106.0		
21:30	0.5	22:00	CONST, DRL SURF	PU_DIR	NORMAL	Pick up and make up Drill Point bit SER#N00125 with Meteorite mud motor Ser# TMC 850-20 and Scribe with Meteorite DD and MWD. Install Meteorite MWD tool with Meteorite MWD, tag @ 87'	106.0	106.0		
22:00	9	07:00	CONST, DRL SURF	DRL	NORMAL	Drill from 87' to 1114' S/W=69K P/U= 72K S/O= 65K WOB= 18K RPM= 65 SPM #1= 120 SPM #2= 120 GPM= 760 TQ OFF BTM= 900PSI TQ ON BTM= 2100PSI ON BTM PSI= 1500 OFF BTM PSI=1100 DIFF PSI = 400	106.0	1,133.0		
07:00	-1	06:00	CONST, DRL SURF	SFTY	NORMAL	Time Change	1,133.0	1,133.0		

Drill Strings				
BHA #1 , SURFACE				
Bit Run	1	Drill Bit 17 1/2, SPL616, N00125	Bit Type PDC	Make DIAMANT
Nozzles (1/32") 20/20/20/20/20/20/20/20	Bit Total Fluid Area (nozzles) (in²) 2.76	IADC Bit Dull -----	Hours Drilled By Bit (hr) 8.00	Depth Drilled By Bit (ft) 1,027.00
BHA Drilling Time (hr) 8.00	BHA Depth Drilled (ft) 1,027.00	BHA ROP (ft/hr) 128.4	Depth In (ftKB) 106.0	Depth Out (ftKB) 1,133.0

Drill String Components								
Jts	Item Des	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Wt (lbf)	Cum Wt (1000lbf)	Make
31	DRILL PIPE	4 1/2	3.83	659.30	1,114.00	10,944.4	55	
10	DRILL COLLAR	6	2.50	286.43	454.70	22,742.5	44	RIG
1	SUB - XO	8	2.87	2.82	168.27	214.0	22	AMEGA WEST
2	DRILL COLLAR	8	3.00	56.71	165.45	8,336.4	21	RIG

2	DRILL COLLAR - NON MAG	8	3.50	57.59	108.74	7,964.7	13	AMEGA WEST
1	SUB - UBHO	8	3.25	2.50	51.15	357.0	5	AMEGA WEST
1	MWD TOOL - NON-RETRIEVABLE	8	3.50	8.48	48.65	1,195.7	5	AMEGA WEST
1	STABILIZER	8	3.00	7.27	40.17	1,032.3	4	AMEGA WEST
1	MOTOR - STABILIZER SLEEVE	9 5/8	4.00	31.40	32.90	2,543.4	3	TMC

Mud Motors

SN	Bend Angle	Bearing Type	Lobe Config	# Stages	Lwr Defln Type	Bit To Bend
TMC 850-20	1.76	SEALED	7:8	4		7.93

Sensors

Sensor Type	Sensor-Bit (ft)	Note
DIRECTIONAL	70.00	

Drilling Parameters

Start Time	End Time	Start Depth (ftKB)	Int Depth (ft)	Int ROP (ft/hr)	WOB (1000lbf)	RPM	dP (SPP) (psi)	Q Flow (gpm)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Off-Btm Str Wt (1000lbf)	Drill Tq	Off Btm Tq	TFO (°)
22:00	01:30	106.0	555.00	158.6	15	55		750	400.0	158.6	31	50	42	46	4,000.0	2,000.0	0
01:30	01:45	661.0	6.00	24.0	8	0		750	200.0	24.0	38	50	42	46	0.0	2,000.0	80
01:45	04:30	667.0	377.00	137.1	15	55		750	400.0	137.1	38	59	47	53	6,000.0	3,000.0	0
04:30	04:45	1,044.0	15.00	60.0	8	0		750	200.0	60.0	45	59	47	53	0.0	3,000.0	0
04:45	06:00	1,059.0	74.00	59.2	15	55		750	400.0	59.2	40	61	49	55	6,000.0	3,000.0	0

Hydraulic Calculations

Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)	HP/Area (hp/in ²)	Jet Vel (ft/s)	Bit dP (psi)	Min Open Hole AV (ft/min)	Max Open Hole AV (ft/min)	Vol DrillString (bbl)	Vol Bit to Shoe (bbl)	Vol Shoe to Top (bbl)

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)	Depth Top (TVD) (ftKB)
No Data			

Casing Strings

Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)
CONDUCTOR	106.0	106.0	20	H40	78.67		

Gas Emissions - Flare

Type	Method	Dur (Min)	Amount	Units	Com
No Data					

Job Supply Amounts

Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed
DIESEL	FUEL	GAL	769	769	0	Rig fuel	0	769

Mud Additive Amounts

Des	Type	Units	Rec	Consumed	On Loc	Cum Cons

Pump Operations

Pump #	Make	Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)
1	CONTINENTAL-EMSCO	F-800	6	9.02	0.079	2,500.0
2	CONTINENTAL-EMSCO	F-800	6	9.02	0.079	2,500.0

Pump Checks

Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)
No Data						

Deviation Surveys

Date	Description	Job
11/5/2022 22:00	AS DRILL SURVEY	ODR, 11/5/2022 19:00
11/5/2022 22:00	FINAL SURVEY	ODR, 11/5/2022 19:00

Survey Data - All surveys for 24 hr reporting period

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
143.00	0.40	285.50	143.00	-0.43	0.12	-0.42	0.32
233.00	0.40	249.80	233.00	-1.00	0.09	-1.01	0.27
321.00	0.30	305.70	321.00	-1.46	0.12	-1.49	0.39
403.00	0.20	277.40	402.99	-1.81	0.26	-1.81	0.19
496.00	0.10	264.60	495.99	-2.04	0.28	-2.05	0.11
591.00	0.20	260.60	590.99	-2.27	0.24	-2.29	0.11
686.00	0.30	107.60	685.99	-2.17	0.14	-2.22	0.51
781.00	0.50	102.50	780.99	-1.51	-0.03	-1.58	0.21
874.00	0.60	98.50	873.99	-0.62	-0.19	-0.70	0.12

Formations

Formation Name	Prog Top Override (TVD SS) (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)
222_0_DOKM_E1_SNRS_M/TOP_POROUS_SAND	1,443.0		1,546.0		
224_0_DOKM_F1_SNRS_L/BASE_POROUS_SAND	1,220.0		1,769.0		
250_0_DWLK	1,076.0		1,913.0	1,818.0	
SCP	1,020.0		1,969.0		
251_0_RSRL	888.0		2,101.0	1,999.0	
251_0_SLDO	840.0		2,149.0	2,032.0	
255_0_TNSL_TOP_DOL	-90.0		3,079.0	3,011.0	
256_0_YATES	-132.0		3,121.0	3,097.0	
257_0_SEVEN RIVERS	-434.0		3,423.0	3,381.0	

258_0_QUEEN	-1,102.0		4,091.0	4,091.0	
259_0_GRAYBURG	-1,611.0		4,600.0	4,580.0	
261_0_SAN ANDRES	-1,802.0		4,791.0	4,757.0	
263_5_Top_Cherry_Canyon	-2,693.0		5,682.0	5,777.0	
265_0_CLEARFORK/POP	-3,811.0		6,800.0	6,932.0	
ICP1	-3,861.0		6,850.0		
267_0_SPBY_U_A1/267_0_SPBY	-5,440.0		8,429.0	8,610.0	
267_5_SPBY_M_A1	-5,753.0		8,742.0	9,002.0	
268_5_SPBY_L_A1	-5,984.0		8,973.0		
ALT_ICP2	-6,134.0		9,123.0		
268_5_SPBY_L_A2	-6,033.0		9,022.0		
268_5_SPBY_L_A3	-6,117.0		9,106.0		
268_6_SPBY_L_B1/JO MILL	-6,272.0		9,261.0		
268_7_SPBY_L_C1/LOWER SPRABERRY SHALE	-6,321.0		9,310.0		
ILP	-6,563.0		9,552.0		
PBHL/TD	-6,563.0		9,552.0		
269_0_DEAN	-6,639.0		9,628.0		
304_0_STRAWN	-8,065.0		11,054.0		

Daily Contacts

Job Contact	Title	Office	Mobile	Email
RICHARDSON, KEN, AREA DRILLING SUPERINTENDENT	AREA DRILLING SUPERINTENDENT	432-571-2557	432-557-8128	KEN.RICHARDSON@PXD.COM
COX, BRYAN, ENGINEER	ENGINEER	972-969-5717	361-318-4212	BRYAN.COX@PXD.COM
LUTHER, JACKIE, ENGINEER	ENGINEER	972-969-5626	303-512-3803	JACKIE.LUTHER@PXD.COM
DOVERSPIKE, DANIEL, SUPERINTENDENT	SUPERINTENDENT		361-318-0893	DANIEL.DOVERSPIKE@PXD.COM
VOGEL, ROGER, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		361-772-2235	ROGER.VOGEL@PXD.COM

Personnel Log

Company	Count
PIONEER NATURAL RESOURCES USA INC	1
PINNERGY LTD	11
METEORITE ENERGY SERVICES INC	2