



## Daily Drilling

Report Start: 4/13/2022 06:00

Report End: 4/14/2022 06:00

Depth Progress: 3,522.00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00				State/Province Texas		AFE Number 21-DCC-9081				AFE+Supp Amt (Cost) 2,636,065.00					
Spud Date 11/11/2021 17:00				Rig Release Date		Daily Field Est Total (Cost) 59,241.00				Cum To Date (Cost) 1,218,782.00					
4/13/2022 06:00 - 4/14/2022 06:00										Start Depth (ftKB) 10,210.0				End Depth (ftKB) 13,732.0	
Operations at Report Time Drilling 8.5" Production Lateral @ 13,732'					Operations Next Report Period Drill 8.5" Lateral per directional plan #5.					Target Formation Lower Spraberry				Target Depth (ftKB) 17,660.0	
Operations Summary Drill 8.5" Production Lateral f/ 10,210' – t/ 11,483' (1,273' @ 137.6'/hr), rig service, continue drilling f/ 11,483' -t/ 13,732' (2,249' @ 157.8)										Last Casing String Intermediate, 8,803.0ftKB					
Daily Time Log										Daily Contacts					
Start Time		Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com									
06:00		2.00	2.00	08:00	DRILL ROTATING	Drill Rotate F/ 10,210' T/ 10,403' (193' @ 96.5'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
08:00		0.25	2.25	08:15	DRILL SLIDING	Drill Slide F/ 10,403' T/ 10,438' (35' @ 140'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 2100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%									
08:15		1.00	3.25	09:15	DRILL ROTATING	Drill Rotate F/ 10,438' T/ 10,583' (145' @ 145'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
09:15		0.25	3.50	09:30	DRILL SLIDING	Drill Slide F/ 10,583' T/ 10,613' (30' @ 120'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 2100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%									
09:30		2.75	6.25	12:15	DRILL ROTATING	Drill Rotate F/ 10,613' T/ 11,033' (420' @ 152'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
12:15		0.25	6.50	12:30	DRILL SLIDING	Drill Slide F/ 11,033' T/ 11,074' (41' @ 164'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 2100, Diff: 300-450, TQ: 8-12, TFO:60L, Flow: 100%									
12:30		2.75	9.25	15:15	DRILL ROTATING	Drill Rotate F/ 11,074' T/ 11,483' (409' @ 148'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
15:15		0.50	9.75	15:45	LUBRICATE & SERVICE RIG	Rig Service									
15:45		1.75	11.50	17:30	DRILL ROTATING	Drill Rotate F/ 11,483' T/ 11,753' (270' @ 154'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
17:30		0.50	12.00	18:00	DRILL SLIDING	Drill Slide F/ 11,753' T/ 11,788' (35' @ 70'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 3500, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%									
18:00		2.50	14.50	20:30	DRILL ROTATING	Drill Rotate F/ 11,788' T/ 12,203' (415' @ 166'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 3650, Diff: 300-450, TQ: 13-16, Flow: 100%									
20:30		0.50	15.00	21:00	DRILL SLIDING	Drill Slide F/ 12,203' T/ 12,223' (20' @ 40'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 3875, Diff: 300-450, TQ: 8-12, TFO:130L, Flow: 100%									
21:00		2.00	17.00	23:00	DRILL ROTATING	Drill Rotate F/ 12,223' T/ 12,660' (437' @ 218'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4175, Diff: 300-450, TQ: 13-18, Flow: 100%									
23:00		0.50	17.50	23:30	DRILL SLIDING	Drill Slide F/ 12,660' T/ 12,680' (20' @ 40'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:50L, Flow: 100%									
23:30		0.50	18.00	00:00	DRILL ROTATING	Drill Rotate F/ 12,680' T/ 12,833' (153' @ 218'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4175, Diff: 300-450, TQ: 13-18, Flow: 100%									
00:00		0.50	18.50	00:30	DRILL SLIDING	Drill Slide F/ 12,833' T/ 12,866' (30' @ 60'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:30H, Flow: 100%									
00:30		1.50	20.00	02:00	DRILL ROTATING	Drill Rotate F/ 12,866' T/ 13,113' (267' @ 178'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-18, Flow: 100%									
02:00		0.50	20.50	02:30	DRILL SLIDING	Drill Slide F/ 13,113' T/ 13,133' (20' @ 40'/HR) WOB: 45, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%									
02:30		1.50	22.00	04:00	DRILL ROTATING	Drill Rotate F/ 13,133' T/ 13,383' (250' @ 166'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%									
04:00		0.25	22.25	04:15	DRILL SLIDING	Drill Slide F/ 13,383' T/ 13,403' (20' @ 40'/HR) WOB: 55, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%									

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 3,522.00**

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
04:15	1.75	24.00	06:00	DRILL ROTATING	Drill Rotate F/ 13,403' T/ 13,732' (329' @ 188'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%

**Daily Mud Checks**

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
20:00	Synthetic	12,131.0	9.20	29	2.0	1.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
1.000	1.000	1.000	84.0		8.2	6.0
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)
	2.5	91.0	51,000.000	320.000		

**Drill Strings**

**BHA #5, Lateral**

Bit Run	Size (in)	Make	Model	Serial Number	
5	8 1/2	Reed	TKC66	A287572	

String Length (ft)  
10,210.60

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Drill Pipe	3,043.94		
Agitator	26.15		
Drill Pipe	4,498.69		
agitator	25.52		Scout Amplifier / Pulser Tool
28 stands of Drill Pipe	2,513.71		
Filter Sub	4.61		
NMDC	29.57		NMDC
MWD EVO Carrier	17.21		EVO Collar
Drill Collar - Pony	14.21		NM-Pony
Stabilizer - Non Mag	4.39		8 1/4" IBS 3-blade
Mud Motor	31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve

**Last Drilling Parameter**

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
Original Hole	10,210.0	13,732.0	3,661.00	23.50	24.50	149.9



## Daily Costs

Report Start: 4/13/2022 06:00

Report End: 4/14/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/13/2022 06:00	Report End Date 4/14/2022 06:00	Daily Field Est Total (Cost) 59,241.00	Cum Field Est To Date (Cost) 1,218,782.00	Field / AFE % (%) 46.2
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	16,997.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	7,042.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,821.00	5% contingencies



## Daily Drilling

Report Start: 4/14/2022 06:00

Report End: 4/15/2022 06:00

Depth Progress: 3,508.00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00		State/Province Texas				
Spud Date 11/11/2021 17:00		Rig Release Date				
4/14/2022 06:00 - 4/15/2022 06:00						
Operations at Report Time Drilling 8.5" Production Lateral @ 17,240'		Operations Next Report Period Drill 8.5" Lateral per directional plan #5.				
Operations Summary Drill 8.5" Production Lateral f/ 13,732' - t/ 15,081' (1,349' @ 163.5'/hr), rig service, continue drilling f/ 15,081' -t/ 17,240' (2,159' @ 141.5)						
Daily Time Log						
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com	
06:00	0.50	0.50	06:30	DRILL ROTATING	Drill Rotate F/ 13,732' T/ 13,822' (90' @ 180'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%	
06:30	0.50	1.00	07:00	DRILL SLIDING	Drill Slide F/ 13,822' T/ 13,862' (40' @ 80'/HR) WOB: 55, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%	
07:00	4.75	5.75	11:45	DRILL ROTATING	Drill Rotate F/ 13,862' T/ 14,750' (888' @ 186.9'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%	
11:45	0.50	6.25	12:15	DRILL SLIDING	Drill Slide F/ 14,750' T/ 14,790' (40' @ 80'/HR) WOB: 55, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%	
12:15	1.25	7.50	13:30	DRILL ROTATING	Drill Rotate F/ 14,790' T/ 14,990' (200' @ 160'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%	
13:30	0.50	8.00	14:00	DRILL SLIDING	Drill Slide F/ 14,990' T/ 15,040' (50' @ 100'/HR) WOB: 55, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%	
14:00	0.25	8.25	14:15	DRILL ROTATING	Drill Rotate F/ 15,040' T/ 15,081' (41' @ 164'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4200, Diff: 300-450, TQ: 13-20, Flow: 100%	
14:15	0.50	8.75	14:45	LUBRICATE & SERVICE RIG	Rig Service	
14:45	5.25	14.00	20:00	DRILL ROTATING	Drill Rotate F/ 15,040' T/ 15,081' (819' @ 156'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4950, Diff: 300-450, TQ: 13-22, Flow: 100%	
20:00	0.25	14.25	20:15	DRILL SLIDING	Drill Slide F/ 15,900' T/ 15,920' (20' @ 80'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:HS, Flow: 100%	
20:15	3.25	17.50	23:30	DRILL ROTATING	Drill Rotate F/ 15,920' T/ 16,441' (521' @ 160'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%	
23:30	0.50	18.00	00:00	DRILL SLIDING	Drill Slide F/ 16,441' T/ 16,464' (23' @ 46'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:70R, Flow: 100%	
00:00	4.50	22.50	04:30	DRILL ROTATING	Drill Rotate F/ 16,464' T/ 17,151' (687' @ 152.6'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%	
04:30	1.25	23.75	05:45	DRILL SLIDING	Drill Slide F/ 17,151' T/ 17,186' (35' @ 28'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%	
05:45	0.25	24.00	06:00	DRILL ROTATING	Drill Rotate F/ 17,186' T/ 17,240' (54' @ 152.6'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%	
Daily Mud Checks						
Time 18:00	Type Synthetic	Depth (ftKB) 15,600.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 29	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 84.0	Filter Cake (1/32")	pH 8.4	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 89.0	Chlorides (mg/L) 44,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)
Drill Strings						
BHA #5, Lateral						
Bit Run 5	Size (in) 8 1/2	Make Reed	Model TKC66	Serial Number A287572		
String Length (ft) 17,240.00						

### Daily Contacts

Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

### Rigs












#### Burton, 10

Contractor	Rig #	Start Date	RR Date
Burton	10	11/9/2021	11/13/2021

#### Ensign Drilling, T54

Contractor	Rig #	Start Date	RR Date
Ensign Drilling	T54	12/21/2021	

**Well Name: University 8-4 D S H 4LS**

Drill String Components						
Item Des		Len (ft)	Icon	Com		
Drill Pipe		10,073.34				
Agitator		26.15				
Drill Pipe		4,498.69				
agitator		25.52		Scout Amplifier / Pulser Tool		
28 stands of Drill Pipe		2,513.71				
Filter Sub		4.61				
NMDC		29.57		NMDC		
MWD EVO Carrier		17.21		EVO Collar		
Drill Collar - Pony		14.21		NM-Pony		
Stabilizer - Non Mag		4.39		8 1/4" IBS 3-blade		
Mud Motor		31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve		
Last Drilling Parameter						
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
Original Hole	13,732.0	17,240.0	7,169.00	23.50	48.00	149.3



## Daily Costs

Report Start: 4/14/2022 06:00

Report End: 4/15/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/14/2022 06:00	Report End Date 4/15/2022 06:00	Daily Field Est Total (Cost) 97,787.84	Cum Field Est To Date (Cost) 1,316,569.84	Field / AFE % (%) 49.9
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	18,046.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	8,094.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	4,656.00	5% contingencies
IDC FUEL & POWER	INDUSTRIAL OILS, INC	28,959.84	6,974 gal of fuel
IDC CONTRACT LABOR	JC OVER THE TOP OILFIELD SERVICES LLC	1,350.00	forklift for casing
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	825.00	trucking tools
IDC CONTRACT LABOR	DEL'S INSPECTION SERVICECOMPANY	3,476.00	Clean and drift 5.5" casing

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 2,516.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/15/2022 06:00 - 4/16/2022 06:00</b>	
Operations at Report Time Drilling 8.5" Production Lateral @ 19,756'	Operations Next Report Period Drill 8.5" Lateral per directional plan #5.
Operations Summary Drill 8.5" Production Lateral f/ 17,240' - t/ 17,340' (100' @ 100'/hr), circulate and change shaker screen, continue drilling f/ 17,340' - t/ 19,397' (2,057' @ 109.7), rig service, continue drilling f/ 19,397' - t/ 19,756' (359' 2 110'/hr)	

Daily Time Log					
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	1.00	1.00	07:00	DRILL ROTATING	Drill Rotate F/ 17,240' T/ 17,340' (100' @ 100'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
07:00	0.50	1.50	07:30	COND MUD & CIRC	Circulate while changing out shaker screens.
07:30	1.00	2.50	08:30	DRILL SLIDING	Drill Slide F/ 17,340' T/ 17,380' (40' @ 40'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
08:30	0.75	3.25	09:15	DRILL ROTATING	Drill Rotate F/ 17,380' T/ 17,420' (40' @ 53.3'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
09:15	1.00	4.25	10:15	DRILL SLIDING	Drill Slide F/ 17,420' T/ 17,480' (60' @ 60'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
10:15	4.50	8.75	14:45	DRILL ROTATING	Drill Rotate F/ 17,480' T/ 18,080' (600' @ 126.3'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
14:45	0.75	9.50	15:30	DRILL SLIDING	Drill Slide F/ 18,080' T/ 18,130' (50' @ 67'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90R, Flow: 100%
15:30	0.75	10.25	16:15	DRILL ROTATING	Drill Rotate F/ 18,130' T/ 18,230' (100' @ 133'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
16:15	0.75	11.00	17:00	DRILL SLIDING	Drill Slide F/ 18,230' T/ 18,270' (40' @ 53.3'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:135R, Flow: 100%
17:00	2.50	13.50	19:30	DRILL ROTATING	Drill Rotate F/ 18,270' T/ 18,602' (332' @ 132.8'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
19:30	0.50	14.00	20:00	DRILL SLIDING	Drill Slide F/ 18,602' T/ 18,627' (25' @ 50'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:20L, Flow: 100%
20:00	0.75	14.75	20:45	DRILL ROTATING	Drill Rotate F/ 18,627' T/ 18,768' (141' @ 188'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
20:45	0.50	15.25	21:15	DRILL SLIDING	Drill Slide F/ 18,768' T/ 18,803' (35' @ 70'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
21:15	1.75	17.00	23:00	DRILL ROTATING	Drill Rotate F/ 18,803' T/ 19,036' (233' @ 133'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
23:00	0.75	17.75	23:45	DRILL SLIDING	Drill Slide F/ 19,036' T/ 19,061' (25' @ 33'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:HS, Flow: 100%
23:45	2.50	20.25	02:15	DRILL ROTATING	Drill Rotate F/ 19,061' T/ 19,397' (336' @ 134'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
02:15	0.50	20.75	02:45	LUBRICATE & SERVICE RIG	Rig service
02:45	2.00	22.75	04:45	DRILL ROTATING	Drill Rotate F/ 19,397' T/ 19,670' (273' @ 136.5'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
04:45	1.00	23.75	05:45	DRILL SLIDING	Drill Slide F/ 19,670' T/ 19,695' (25' @ 25'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%

AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 76,821.00	Cum To Date (Cost) 1,399,710.84
Start Depth (ftKB) 17,240.0	End Depth (ftKB) 19,756.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Intermediate, 8,803.0ftKB	

Daily Contacts	
Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

Rigs			
Burton, 10			
Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021

Ensign Drilling, T54			
Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date



**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 2,516.00**

Daily Time Log						
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com	
05:45	0.25	24.00	06:00	DRILL ROTATING	Drill Rotate F/ 19,695' T/ 19,756' (61' @ 122'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
Daily Mud Checks						
Time 18:00	Type Synthetic	Depth (ftKB) 18,400.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 29	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 73.0	Filter Cake (1/32") 10.0	pH 10.0	Solids (%) 7.0
MBT (lb/bbl) 3.5	Percent Oil (%) 89.5	Percent Water (%) 42,000.000	Chlorides (mg/L) 320.000	Calcium (mg/L) Potassium (mg/L)	Electric Stab (V)	
Drill Strings						
BHA #5, Lateral						
Bit Run 5	Size (in) 8 1/2	Make Reed	Model TKC66	Serial Number A287572		
String Length (ft) 19,756.00						
Drill String Components						
Item Des	Len (ft)	Icon	Com			
Drill Pipe	12,589.34					
Agitator	26.15					
Drill Pipe	4,498.69					
agitator	25.52		Scout Amplifier / Pulser Tool			
28 stands of Drill Pipe	2,513.71					
Filter Sub	4.61					
NMDC	29.57		NMDC			
MWD EVO Carrier	17.21		EVO Collar			
Drill Collar - Pony	14.21		NM-Pony			
Stabilizer - Non Mag	4.39		8 1/4" IBS 3-blade			
Mud Motor	31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve			
Last Drilling Parameter						
Wellbore Original Hole	Start Depth (ftKB) 17,240.0	End Depth (ftKB) 19,756.0	Cum Depth Drilled (ft) 9,685.00	Drilling Time (hr) 23.00	Cum Drilling Time (hr) 71.00	Interval ROP (ft/hr) 109.4



## Daily Costs

**Report Start: 4/15/2022 06:00**

**Report End: 4/16/2022 06:00**

**Well Name: University 8-4 D S H 4LS**

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/15/2022 06:00	Report End Date 4/16/2022 06:00	Daily Field Est Total (Cost) 76,821.00	Cum Field Est To Date (Cost) 1,399,710.84	Field / AFE % (%) 53.1
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	21,846.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	8,075.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	8,850.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,658.00	5% contengencies
IDC MISC & CONTINGENCIES	TANK SOLUTIONS LLC	1,211.00	Supplies
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	800.00	trucking beads

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 2,516.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/15/2022 06:00 - 4/16/2022 06:00</b>	
Operations at Report Time Drilling 8.5" Production Lateral @ 19,756'	Operations Next Report Period Drill 8.5" Lateral per directional plan #5.
Operations Summary Drill 8.5" Production Lateral f/ 17,240' - t/ 17,340' (100' @ 100'/hr), circulate and change shaker screen, continue drilling f/ 17,340' - t/ 19,397' (2,057' @ 109.7), rig service, continue drilling f/ 19,397' - t/ 19,756' (359' 2 110'/hr)	

Daily Time Log					
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	1.00	1.00	07:00	DRILL ROTATING	Drill Rotate F/ 17,240' T/ 17,340' (100' @ 100'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
07:00	0.50	1.50	07:30	COND MUD & CIRC	Circulate while changing out shaker screens.
07:30	1.00	2.50	08:30	DRILL SLIDING	Drill Slide F/ 17,340' T/ 17,380' (40' @ 40'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
08:30	0.75	3.25	09:15	DRILL ROTATING	Drill Rotate F/ 17,380' T/ 17,420' (40' @ 53.3'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
09:15	1.00	4.25	10:15	DRILL SLIDING	Drill Slide F/ 17,420' T/ 17,480' (60' @ 60'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
10:15	4.50	8.75	14:45	DRILL ROTATING	Drill Rotate F/ 17,480' T/ 18,080' (600' @ 126.3'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
14:45	0.75	9.50	15:30	DRILL SLIDING	Drill Slide F/ 18,080' T/ 18,130' (50' @ 67'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90R, Flow: 100%
15:30	0.75	10.25	16:15	DRILL ROTATING	Drill Rotate F/ 18,130' T/ 18,230' (100' @ 133'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-25, Flow: 100%
16:15	0.75	11.00	17:00	DRILL SLIDING	Drill Slide F/ 18,230' T/ 18,270' (40' @ 53.3'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:135R, Flow: 100%
17:00	2.50	13.50	19:30	DRILL ROTATING	Drill Rotate F/ 18,270' T/ 18,602' (332' @ 132.8'/HR) WOB: 40, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
19:30	0.50	14.00	20:00	DRILL SLIDING	Drill Slide F/ 18,602' T/ 18,627' (25' @ 50'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:20L, Flow: 100%
20:00	0.75	14.75	20:45	DRILL ROTATING	Drill Rotate F/ 18,627' T/ 18,768' (141' @ 188'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
20:45	0.50	15.25	21:15	DRILL SLIDING	Drill Slide F/ 18,768' T/ 18,803' (35' @ 70'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%
21:15	1.75	17.00	23:00	DRILL ROTATING	Drill Rotate F/ 18,803' T/ 19,036' (233' @ 133'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
23:00	0.75	17.75	23:45	DRILL SLIDING	Drill Slide F/ 19,036' T/ 19,061' (25' @ 33'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:HS, Flow: 100%
23:45	2.50	20.25	02:15	DRILL ROTATING	Drill Rotate F/ 19,061' T/ 19,397' (336' @ 134'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
02:15	0.50	20.75	02:45	LUBRICATE & SERVICE RIG	Rig service
02:45	2.00	22.75	04:45	DRILL ROTATING	Drill Rotate F/ 19,397' T/ 19,670' (273' @ 136.5'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
04:45	1.00	23.75	05:45	DRILL SLIDING	Drill Slide F/ 19,670' T/ 19,695' (25' @ 25'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:90L, Flow: 100%

AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 76,821.00	Cum To Date (Cost) 1,399,710.84
Start Depth (ftKB) 17,240.0	End Depth (ftKB) 19,756.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Intermediate, 8,803.0ftKB	

Daily Contacts	
Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

Rigs			
Burton, 10			
Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021

Ensign Drilling, T54			
Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 2,516.00**

Daily Time Log						
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com	
05:45	0.25	24.00	06:00	DRILL ROTATING	Drill Rotate F/ 19,695' T/ 19,756' (61' @ 122'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
Daily Mud Checks						
Time 18:00	Type Synthetic	Depth (ftKB) 18,400.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 29	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 73.0	Filter Cake (1/32")	pH 10.0	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.5	Percent Water (%) 89.5	Chlorides (mg/L) 42,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)
Drill Strings						
BHA #5, Lateral						
Bit Run 5	Size (in) 8 1/2	Make Reed	Model TKC66	Serial Number A287572		
String Length (ft) 19,756.00						
Drill String Components						
Item Des	Len (ft)	Icon	Com			
Drill Pipe	12,589.34					
Agitator	26.15					
Drill Pipe	4,498.69					
agitator	25.52		Scout Amplifier / Pulser Tool			
28 stands of Drill Pipe	2,513.71					
Filter Sub	4.61					
NMDC	29.57		NMDC			
MWD EVO Carrier	17.21		EVO Collar			
Drill Collar - Pony	14.21		NM-Pony			
Stabilizer - Non Mag	4.39		8 1/4" IBS 3-blade			
Mud Motor	31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve			
Last Drilling Parameter						
Wellbore Original Hole	Start Depth (ftKB) 17,240.0	End Depth (ftKB) 19,756.0	Cum Depth Drilled (ft) 9,685.00	Drilling Time (hr) 23.00	Cum Drilling Time (hr) 71.00	Interval ROP (ft/hr) 109.4

## Daily Costs

Report Start: 4/15/2022 06:00

Report End: 4/16/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/15/2022 06:00	Report End Date 4/16/2022 06:00	Daily Field Est Total (Cost) 76,821.00	Cum Field Est To Date (Cost) 1,399,710.84	Field / AFE % (%) 53.1
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	21,846.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	8,075.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	8,850.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,658.00	5% contengencies
IDC MISC & CONTINGENCIES	TANK SOLUTIONS LLC	1,211.00	Supplies
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	800.00	trucking beads



## Daily Drilling

Report Start: 4/16/2022 06:00

Report End: 4/17/2022 06:00












Depth Progress: 2,004.00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00		State/Province Texas				
Spud Date 11/11/2021 17:00		Rig Release Date				
4/16/2022 06:00 - 4/17/2022 06:00						
Operations at Report Time Drilling 8.5" Production Lateral @ 21,760'		Operations Next Report Period Drill 8.5" Lateral per directional plan #5.				
Operations Summary Drill 8.5" Production Lateral f/ 19,756' - t/ 21,465' (1,709' @ 87.6'/hr), rig service, continue drilling f/ 21,465' - t/ 21,760' (295' @ 73.7'/hr)						
Daily Time Log						
Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com	
06:00	2.00	2.00	08:00	DRILL ROTATING	Drill Rotate F/ 19,756' T/ 19,950' (194' @ 97'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
08:00	0.75	2.75	08:45	DRILL SLIDING	Drill Slide F/ 19,950' T/ 19,985' (35' @ 46.6'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%	
08:45	3.75	6.50	12:30	DRILL ROTATING	Drill Rotate F/ 19,985' T/ 20,355' (370' @ 98.6'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
12:30	1.00	7.50	13:30	DRILL SLIDING	Drill Slide F/ 20,355' T/ 20,386' (31' @ 31'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:45L, Flow: 100%	
13:30	1.25	8.75	14:45	DRILL ROTATING	Drill Rotate F/ 20,386' T/ 20,485' (99' @ 79.2'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
14:45	0.75	9.50	15:30	DRILL SLIDING	Drill Slide F/ 20,485' T/ 20,530' (45' @ 60'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:0, Flow: 100%	
15:30	1.25	10.75	16:45	DRILL ROTATING	Drill Rotate F/ 20,530' T/ 20,655' (125' @ 100'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
16:45	0.75	11.50	17:30	DRILL SLIDING	Drill Slide F/ 20,655' T/ 20,690' (35' @ 46'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:20R, Flow: 100%	
17:30	5.75	17.25	23:15	DRILL ROTATING	Drill Rotate F/ 20,690' T/ 21,295' (605' @ 105.2'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
23:15	0.75	18.00	00:00	DRILL SLIDING	Drill Slide F/ 21,295' T/ 21,335' (40' @ 53'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:120R, Flow: 100%	
00:00	1.50	19.50	01:30	DRILL ROTATING	Drill Rotate F/ 21,335' T/ 21,465' (130' @ 86.6'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
01:30	0.50	20.00	02:00	LUBRICATE & SERVICE RIG	Rig service	
02:00	0.75	20.75	02:45	DRILL ROTATING	Drill Rotate F/ 21,465' T/ 21,555' (90' @ 120'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
02:45	0.75	21.50	03:30	DRILL SLIDING	Drill Slide F/ 21,555' T/ 21,590' (35' @ 46.6'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:180, Flow: 100%	
03:30	2.50	24.00	06:00	DRILL ROTATING	Drill Rotate F/ 21,590' T/ 21,760' (170' @ 68'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%	
Daily Mud Checks						
Time 18:00	Type Synthetic	Depth (ftKB) 20,730.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 30	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 73.0	Filter Cake (1/32") 1	pH 10.0	Solids (%) 7.5
MBT (lb/bbl)	Percent Oil (%) 3.5	Percent Water (%) 89.0	Chlorides (mg/L) 40,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

AFE Number 21-DCD-9081		AFE+Supp Amt (Cost) 2,636,065.00	
Daily Field Est Total (Cost) 71,239.00		Cum To Date (Cost) 1,470,949.84	
Start Depth (ftKB) 19,756.0		End Depth (ftKB) 21,760.0	
Target Formation Lower Spraberry		Target Depth (ftKB) 17,660.0	
Last Casing String Intermediate, 8,803.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Oscar Navarette, Rig site supervisor		432-438-0240	
Justin Glore, Rig site supervisor		405-205-0199	
Rigs			
Burton, 10			
Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
Ensign Drilling, T54			
Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date

**Well Name: University 8-4 D S H 4LS**

Drill Strings						
BHA #5, Lateral						
Bit Run	Size (in)	Make	Model	Serial Number		
5	8 1/2	Reed	TKC66	A287572		
String Length (ft)						
21,760.00						
Drill String Components						
Item Des	Len (ft)	Icon	Com			
Drill Pipe	14,593.34					
Agitator	26.15					
Drill Pipe	4,498.69					
agitator	25.52		Scout Amplifier / Pulser Tool			
28 stands of Drill Pipe	2,513.71					
Filter Sub	4.61					
NMDC	29.57		NMDC			
MWD EVO Carrier	17.21		EVO Collar			
Drill Collar - Pony	14.21		NM-Pony			
Stabilizer - Non Mag	4.39		8 1/4" IBS 3-blade			
Mud Motor	31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve			
Last Drilling Parameter						
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
Original Hole	19,756.0	21,760.0	11,689.00	23.50	94.50	85.3

## Daily Costs

Report Start: 4/16/2022 06:00

Report End: 4/17/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/16/2022 06:00	Report End Date 4/17/2022 06:00	Daily Field Est Total (Cost) 71,239.00	Cum Field Est To Date (Cost) 1,470,949.84	Field / AFE % (%) 55.8
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	22,168.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	8,348.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	4,950.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,392.00	5% contingencies



**Well Name: University 8-4 D S H 4LS**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/17/2022 06:00 - 4/18/2022 06:00</b>	
Operations at Report Time Tripping out of the hole to run 5.5" Production casing.	Operations Next Report Period Trip out of the hole, L/D BHA #5, pull wear bushing, R/U casing crew and related equipment, RIH w/ 5.5" Production casing.
Operations Summary Drill 8.5" Production Lateral f/ 21,760' - t/ 22,280' (520' @ 61'/hr), rig service, continue drilling f/ 22,280' - t/ 22,969' TD (689' @ 81'/hr), circulate hole clean, POOH f/ 22,969' - t/ 22,098' (wet).	

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	2.25	2.25	08:15	DRILL ROTATING	Drill Rotate F/ 21,760' T/ 21,920' (160' @ 71.1'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
08:15	1.25	3.50	09:30	DRILL SLIDING	Drill Slide F/ 21,920' T/ 21,960' (40' @ 32'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:20R, Flow: 100%
09:30	1.00	4.50	10:30	DRILL ROTATING	Drill Rotate F/ 21,960' T/ 22,017' (57' @ 57'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
10:30	1.00	5.50	11:30	DRILL SLIDING	Drill Slide F/ 22,017' T/ 22,050' (33' @ 33'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:120R, Flow: 100%
11:30	1.75	7.25	13:15	DRILL ROTATING	Drill Rotate F/ 22,050' T/ 22,190' (140' @ 80'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
13:15	0.75	8.00	14:00	DRILL SLIDING	Drill Slide F/ 22,190' T/ 22,235' (45' @ 60'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:120R, Flow: 100%
14:00	0.50	8.50	14:30	DRILL ROTATING	Drill Rotate F/ 22,235' T/ 22,280' (45' @ 90'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
14:30	0.50	9.00	15:00	LUBRICATE & SERVICE RIG	Rig service
15:00	1.25	10.25	16:15	DRILL ROTATING	Drill Rotate F/ 22,280' T/ 22,400' (120' @ 96'/HR) WOB: 45, RPM 70, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-26, Flow: 100%
16:15	0.75	11.00	17:00	DRILL SLIDING	Drill Slide F/ 22,400' T/ 22,440' (40' @ 53'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:120R, Flow: 100%
17:00	3.75	14.75	20:45	DRILL ROTATING	Drill Rotate F/ 22,440' T/ 22,755' (315' @ 84'/HR) WOB: 45, RPM 60, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-27, Flow: 100%
20:45	0.50	15.25	21:15	DRILL SLIDING	Drill Slide F/ 22,400' T/ 22,440' (25' @ 50'/HR) WOB: 60, MTR: 171, SPM: 60/60/60, GPM: 600, SPP: 4100, Diff: 300-450, TQ: 8-12, TFO:HS, Flow: 100%
21:15	2.25	17.50	23:30	DRILL ROTATING	Drill Rotate F/ 22,780' T/ 22,969' (189' @ 84'/HR) WOB: 45, RPM 60, MTR: 168, SPM: 65/65/65, GPM: 650, SPP: 4350-4600, Diff: 300-500, TQ: 13-27, Flow: 100%
23:30	6.00	23.50	05:30	COND MUD & CIRC	Perform TD clean up cycles, pumping sweeps, GPM: 700 RPM: 90
05:30	0.50	24.00	06:00	TRIPS	POOH f/22,969' - t/ 22,098' (10 stands wet)

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,600.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 31	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 73.0	Filter Cake (1/32") pH 10.0	Solids (%) 7.5	
MBT (lb/bbl) 3.5	Percent Oil (%) 89.0	Percent Water (%) 89.0	Chlorides (mg/L) 38,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #5, Lateral**

Bit Run 5	Size (in) 8 1/2	Make Reed	Model TKC66	Serial Number A287572	
String Length (ft) 22,969.00					

AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 125,331.44	Cum To Date (Cost) 1,596,281.28
Start Depth (ftKB) 21,760.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Intermediate, 8,803.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**












**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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**Well Name: University 8-4 D S H 4LS**

Drill String Components						
Item Des		Len (ft)	Icon	Com		
Drill Pipe		15,802.34				
Agitator		26.15				
Drill Pipe		4,498.69				
agitator		25.52		Scout Amplifier / Pulser Tool		
28 stands of Drill Pipe		2,513.71				
Filter Sub		4.61				
NMDC		29.57		NMDC		
MWD EVO Carrier		17.21		EVO Collar		
Drill Collar - Pony		14.21		NM-Pony		
Stabilizer - Non Mag		4.39		8 1/4" IBS 3-blade		
Mud Motor		31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve		
Last Drilling Parameter						
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
Original Hole	21,760.0	22,969.0	12,898.00	17.00	111.50	71.1



## Daily Costs

Report Start: 4/17/2022 06:00

Report End: 4/18/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/17/2022 06:00	Report End Date 4/18/2022 06:00	Daily Field Est Total (Cost) 125,331.44	Cum Field Est To Date (Cost) 1,596,281.28	Field / AFE % (%) 60.6
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	13,854.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	8,426.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	5,070.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
IDC FUEL & POWER	INDUSTRIAL OILS, INC	29,911.00	7,000 Gals.
IDC FUEL & POWER	INDUSTRIAL OILS, INC	29,721.44	6966 gal of fuel
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	5,968.00	5% contengencies

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

**4/18/2022 06:00 - 4/19/2022 06:00**

Operations at Report Time Running 5.5" Production casing @ 10,269'	Operations Next Report Period Continue to RIH w/ 5.5" Production casing, R/D casing crew, rupture Air-lock sub and burp pipe, circulate pipe capacity, cement as per plan.
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**Operations Summary**

Flow check and pump slug, continue to POOH f/22,098 - t/ 8,647', slip and cut drill line, continue to POOH f/8,647' - t/ BHA, L/D Production BHA #5, pull wear bushing and clear floor, R/U casing crew and related equipment, M/U shoe track and test float (good), RIH w/5.5" Production casing f/0' - t/ 1,036', troubleshoot torque turn, continue to RIH w/ 5.5" casing f/ 1,036' - t/ 10,269'

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.50	0.50	06:30	TRIPS	Flow check pump slug.
06:30	8.00	8.50	14:30	TRIPS	TOH F/ 22,098' -T/8,647'
14:30	1.25	9.75	15:45	CUT OFF DRILL LINE	Cut slip drilling line 145'
15:45	1.50	11.25	17:15	TRIPS	TOH F/ 8,647' -T/BHA Remove rot. head,install trip nipple,lakedown agitator.
17:15	1.25	12.50	18:30	DIRECTIONAL WORK	L/D 8.5" Production Lateral BHA #5, drain motor, break bit & lay down tools.
18:30	0.50	13.00	19:00	OTHER	Pull wear bushing, clear rig floor for casing run.
19:00	1.25	14.25	20:15	RUN CASING & CEMENT	PJSM, Rig up casing crew, torque turn & thread reps.
20:15	1.25	15.50	21:30	RUN CASING & CEMENT	Make up shoe track, test floats & RIH W/ 5.5" 20# HC-P110 production casing T/ 1,036'
21:30	1.50	17.00	23:00	THIRD PARTY REPAIR	Troubleshoot torque turn, over torque on connection dump vale did not function when torque spec reached, L/D joint, change out dump valve and test (continued to spike torque), change out load cell and test (same torque spikes), change out control box and test (good).
23:00	7.00	24.00	06:00	RUN CASING & CEMENT	Continue to RIH w/ 5.5" Production casing f/ 1,036' - t/ 10,269'

**Daily Mud Checks**

Time 17:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 30	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 73.0	Filter Cake (1/32") 10.0	pH 10.0	Solids (%) 7.0
MBT (lb/bbl) 3.5	Percent Oil (%) 89.0	Percent Water (%) 38,000.000	Chlorides (mg/L) 240.000	Calcium (mg/L) Potassium (mg/L)	Electric Stab (V)	

**Drill Strings**

**BHA #5, Lateral**

Bit Run 5	Size (in) 8 1/2	Make Reed	Model TKC66	Serial Number A287572	
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String Length (ft)  
22,969.00

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Drill Pipe	15,802.34		
Agitator	26.15		
Drill Pipe	4,498.69		
agitator	25.52		Scout Amplifier / Pulser Tool
28 stands of Drill Pipe	2,513.71		
Filter Sub	4.61		
NMDC	29.57		NMDC
MWD EVO Carrier	17.21		EVO Collar
Drill Collar - Pony	14.21		NM-Pony
Stabilizer - Non Mag	4.39		8 1/4" IBS 3-blade
Mud Motor	31.60		NOV 7/8 5.7 ERT @ 1.75FXD w/ slick sleeve

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft) 12,898.00	Drilling Time (hr) 0.00	Cum Drilling Time (hr) 111.50	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 50,462.00	Cum To Date (Cost) 1,646,743.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0

Last Casing String  
Intermediate, 8,803.0ftKB

**Daily Contacts**

Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/18/2022 06:00

Report End: 4/19/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/18/2022 06:00	Report End Date 4/19/2022 06:00	Daily Field Est Total (Cost) 50,462.00	Cum Field Est To Date (Cost) 1,646,743.28	Field / AFE % (%) 62.5
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	3,466.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	10,048.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	1,640.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,377.00	5% contingencies
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	550.00	trucking pipe

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

<b>4/19/2022 06:00 - 4/20/2022 06:00</b>	
Operations at Report Time Working 5.5" Production casing to bottom @ 20,646'	Operations Next Report Period Continue RIH / working 5.5" casing t/ 22,949', R/D casing crew, rupture Air-lock sub and burp pipe, circulate pipe capacity, cement as per plan, nipple down and set slips, install night cap and prep to walk rig.

Operations Summary  
Continue RIH w/ 5.5" Production casing f/ 10,269' - t/ 19,430', rig up CRT, Continue RIH w/ 5.5" casing f/ 19,430' - t/ 20,646' (working tight hole).

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	9.50	9.50	15:30	RUN CASING & CEMENT	Continue to RIH w/ 5.5" Production casing f/ 10,269' - t/ 19,430'
15:30	1.00	10.50	16:30	RUN CASING & CEMENT	Rig up CRT w/ Byrd's to push pipe to bottom.
16:30		10.50	16:30	RUN CASING & CEMENT	Continue RIH w/ 5.5" casing f/ 19,430' - t/ 20,646', working tight hole, P/U and breaking over w/ 275k, averaging 1-3 joints per hr. (45'- 138'), without circulating and Airlock sub has not been ruptured.

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.30	Funnel Viscosity (s/qt) 30	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 9.6	Solids (%) 6.5
MBT (lb/bbl)	Percent Oil (%) 3.5	Percent Water (%) 89.0	Chlorides (mg/L) 37,000.000	Calcium (mg/L) 240.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #<stringno>, <des>**

Bit Run	Size (in)	Make	Model	Serial Number	
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String Length (ft)

**Drill String Components**

Item Des	Len (ft)	Icon	Com

**Last Drilling Parameter**

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 44,772.00	Cum To Date (Cost) 1,691,515.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production, 22,949.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/19/2022 06:00

Report End: 4/20/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/19/2022 06:00	Report End Date 4/20/2022 06:00	Daily Field Est Total (Cost) 44,772.00	Cum Field Est To Date (Cost) 1,691,515.28	Field / AFE % (%) 64.2
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	89.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	1,917.00	5% contingencies
IDC CONTRACT LABOR	BLUE ENERGY SERVICES LLC	500.00	Cleaning shacks
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	1,635.00	trucking tools
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	Phoenix MWD



**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

<b>4/20/2022 06:00 - 4/21/2022 06:00</b>	
Operations at Report Time Laying down 5.5" production casing @ 13,000'	Operations Next Report Period Continue to L/D 5.5" casing, P/U clean out assembly, TIH, wash and ream t/ 22,969', circulate hole clean, POOH to run 5.5" casing.

**Operations Summary**  
Continue RIH w/ 5.5" Production casing f/ 20,600' - t/ 20,646', rig up cement head to burst air lock sub. Burst air lock sub, fill pipe, burp air, rig down cement head, & circulate air out of backside through separator. Attempt to wash ream 5 1/2" production casing to bottom f/ 20,646' - 20,740', R/D cementers and torque turn, pump slug, L/D 5.5" Production casing f/ 20,740' - t/ 17,041' (704'/hr), rig service, continue to L/D 5.5" casing f/ 17,041' - t/ 13,000' (770'/hr).

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.75	0.75	06:45	RUN CASING & CEMENT	Continue RIH w/ 5.5" casing f/ 20,646' - t/ 20,651', working tight hole, P/U and breaking over w/ 275k, without circulating and Airlock sub has not been ruptured.
06:45	1.00	1.75	07:45	RUN CASING & CEMENT	Rig up cement head to burst air lock sub
07:45	0.75	2.50	08:30	COND MUD & CIRC	Burst air lock sub @ 3,215 psi, fill pipe with 310bbls of mud.
08:30	1.50	4.00	10:00	RUN CASING & CEMENT	Rig down cement head & circulate air out of back side through gas separator.
10:00	8.00	12.00	18:00	RUN CASING & CEMENT	Wash casing f/ 20,646' - t/20,740' (RPM: 25, Torque: 22,000, GPM: 600, WOB:22, approx.:6'hr)
18:00	1.00	13.00	19:00	COND MUD & CIRC	Circulate and R/D Halliburton, torque turn, hold PJSM on L/D casing, pump slug.
19:00	5.25	18.25	00:15	RUN CASING & CEMENT	L/D 5.5" Production casing f/ 20,740' - t/ 17,041' (704'/hr), TSI thread rep and Del's inspection service inspecting casing on ground.
00:15	0.50	18.75	00:45	LUBRICATE & SERVICE RIG	Rig service, change out Encoder on catwalk.
00:45	5.25	24.00	06:00	RUN CASING & CEMENT	Continue to L/D 5.5" Production casing f/ 17,041' - t/ 13,000' (770'/hr), TSI thread rep and Del's inspection service inspecting casing on ground.

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.35	Funnel Viscosity (s/qt) 31	PV Calc (cP) 3.0	YP Calc (lb/100ft²) 3.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min) 62.0	Filter Cake (1/32") 9.0	pH 9.0	Solids (%) 7.0
MBT (lb/bbl) 3.3	Percent Oil (%) 3.3	Percent Water (%) 89.0	Chlorides (mg/L) 32,000.000	Calcium (mg/L) 240.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #<stringno>, <des>**

Bit Run	Size (in)	Make	Model	Serial Number	
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String Length (ft)

**Drill String Components**

Item Des	Len (ft)	Icon	Com

**Last Drilling Parameter**

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 79,113.00	Cum To Date (Cost) 1,770,628.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production, 22,949.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Oscar Navarette, Rig site supervisor	432-438-0240
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/20/2022 06:00

Report End: 4/21/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/20/2022 06:00	Report End Date 4/21/2022 06:00	Daily Field Est Total (Cost) 79,113.00	Cum Field Est To Date (Cost) 1,770,628.28	Field / AFE % (%) 67.2
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	120.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	60.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	350.00	4" x 4" transfer pumps x 5 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	20.00	trash trailer and dump fee
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	89.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,767.00	5% contingencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,500.00	Phoenix MWD
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	1,950.00	Trucking Drill pipe
IDC CONTRACT LABOR	INNOVEX DOWNHOLE SOLUTIONS, INC.	7,000.00	Innovex Tech
TDC OTHER SUBSURFACE EQUIPMENT	INNOVEX DOWNHOLE SOLUTIONS, INC.	27,676.00	float sub, shoe float centralizers

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

**4/21/2022 06:00 - 4/22/2022 06:00**

Operations at Report Time Tripping in the hole w/ Cleanout assembly @ 6,300'	Operations Next Report Period Trip in the hole t/ 14,000', wash and ream t/ 22,969', perform clean up cycles, POOH to run 5.5" production casing.
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Operations Summary  
Continue to L/D 5.5" Production casing f/ 13,000' - t/ 0', R/D casing crew, Move damaged casing from racks, stage clean out run BHA (while repairing Top drive), install wear bushing, rig service, slip and cut drill line, M/U cleanout assembly, trip in the hole f/ 0' - t/ 6,300'

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	15.00	15.00	21:00	PULL CASING	Continue to L/D 5.5" Production casing f/ 13,000' - t/ 0' (866'/hr), TSI thread rep and Del's inspection service inspecting casing on ground.
21:00	1.50	16.50	22:30	RUN CASING & CEMENT	R/D casing crew and CRT
22:30	3.00	19.50	01:30	OTHER	Clear rig floor of Centralizers, move damaged casing from racks, stage bit and subs for cleanout run, while repairing top drive, install DP elevators and wear bushing.
01:30	0.50	20.00	02:00	LUBRICATE & SERVICE RIG	Rig service
02:00	1.50	21.50	03:30	CUT OFF DRILL LINE	Slip and cut drill line (100'), break test (good)
03:30	2.50	24.00	06:00	TRIPS	M/U Bit sub w/ float, BIT and trip in the hole f/ 0' - t/6,300' filling pipe every 30 stands.

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 30	PV Calc (cP) 3.0	YP Calc (lb/100ft²) 3.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 2.000	Filtrate (mL/30min) 62.0	Filter Cake (1/32") pH 9.0	Solids (%) 7.0	
MBT (lb/bbl) 3.3	Percent Oil (%) 89.0	Percent Water (%) 89.0	Chlorides (mg/L) 32,000.000	Calcium (mg/L) 240.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #6, Cleanout /Reamer run**

Bit Run 6	Size (in) 8 1/2	Make Smith	Model F47	Serial Number F47HYPS	
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String Length (ft)  
3.25

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Bit Sub	2.25		ADS BIT sub 4-1/2 Reg X 4-1/2 IF

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft) 0.00	Drilling Time (hr) 0.00	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 65,110.00	Cum To Date (Cost) 1,835,738.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production, 22,949.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/21/2022 06:00

Report End: 4/22/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/21/2022 06:00	Report End Date 4/22/2022 06:00	Daily Field Est Total (Cost) 65,110.00	Cum Field Est To Date (Cost) 1,835,738.28	Field / AFE % (%) 69.6
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	7,154.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,100.00	5% contingencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,500.00	Phoenix MWD
IDC CONTRACT LABOR	JC OVER THE TOP OILFIELD SERVICES LLC	1,080.00	Forklift unloaded 1 truck load of 5 1/2" casing
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen
IDC CASING CREWS & SERVICE	TUBULAR SOLUTIONS INC	14,545.00	TSI Thread reps

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

**4/22/2022 06:00 - 4/23/2022 06:00**

Operations at Report Time Reaming to bottom @ 22,856'	Operations Next Report Period Continue to wash and ream t/ 22,969', perform clean up cycles, POOH, R/U casing crew and related equipment, RIH w/ 5.5" Production casing.
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Operations Summary  
Trip in the hole f/ 6,300' - t/ 13,990', wash & ream f/ 13,990' - t/ 14,218', replace top drive wash pipe, continue to wash & ream f/ 14,218' - 17,626', rig service, continue to wash & ream f/ 17,626' - t/ 22,856'

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	4.00	4.00	10:00	TRIPS	TIH f/ 6,300' - 13,990'
10:00	0.50	4.50	10:30	REAMING	Wash & ream f/ 13,990' - t/ 14,218' (228' @ 456'/hr) GPM-700 RPM-100 TQ- 13-26k
10:30	1.75	6.25	12:15	COND MUD & CIRC	Replace top drive swivel packing
12:15	6.75	13.00	19:00	REAMING	Wash & ream f/ 14,218' - t/ 17,626' (3,408' @ 504'/hr) GPM-700 RPM-100 TQ- 13-26k, while pumping sweeps, coffee ground size cuttings coming across shakes 40% coverage.
19:00	0.50	13.50	19:30	LUBRICATE & SERVICE RIG	Rig service
19:30	10.50	24.00	06:00	REAMING	Wash & ream f/ 17,626' - t/ 22,856' (5,230' @ 500'/hr) GPM-700 RPM-100 TQ- 13-26k, while pumping sweeps, coffee ground size cuttings coming across shakes 40% coverage.

**Daily Mud Checks**

Time 17:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 31	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²) 3.000	Filtrate (mL/30min) 51.0	Filter Cake (1/32")	pH 9.2	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 90.0	Chlorides (mg/L) 54,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #6, Cleanout /Reamer run**

Bit Run 6	Size (in) 8 1/2	Make Smith	Model F47	Serial Number F47HYPS	
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String Length (ft)  
22,856.00

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Bit Sub	2.25		ADS BIT sub 4-1/2 Reg X 4-1/2 IF
5" Drill Pipe	22,852.75		

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft)	Drilling Time (hr) 0.00	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
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Daily Field Est Total (Cost) 71,891.00	Cum To Date (Cost) 1,912,503.28
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Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
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Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
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Last Casing String  
Production, 22,949.0ftKB

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/22/2022 06:00

Report End: 4/23/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/22/2022 06:00	Report End Date 4/23/2022 06:00	Daily Field Est Total (Cost) 71,891.00	Cum Field Est To Date (Cost) 1,912,503.28	Field / AFE % (%) 72.6
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	6,177.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	4,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	3,423.00	5% contingencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,500.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen
IDC MISC & CONTINGENCIES	Derrick	14,942.00	28 shaker screens
IDC CONTRACT LABOR	DEL'S INSPECTION SERVICECOMPANY	4,678.00	Clean and drift 5.5" casing
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	550.00	Trucking float equipment
IDC CONTRACT LABOR	JC OVER THE TOP OILFIELD SERVICES LLC	1,890.00	Forklift for casing

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/23/2022 06:00 - 4/24/2022 06:00</b>	
Operations at Report Time Short tripping @ 8,967, Prepping to trip back to bottom.	Operations Next Report Period Trip in the hole f/ short trip to 8,967' - t/ 22,969', perform clean up cycle, POOH, R/U casing crew and related equipment, RIH w/ 5.5" Production casing.

Operations Summary  
Wash & ream f/ 22,856' - t/ 22,969' (113' @ 226'/hr), circulate hole clean pumping high vis sweeps, flow check (well static), POOH f/ 22,969' - 16,000', TIH f/ 16,000' - 19,000', wash / ream f/ 19,000' - 22,969' (3,969 @ 588'/hr), circulate 3 bottoms up, flow check (static), POOH f/ 22,969' - t/ 8,967' (short trip)

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.50	0.50	06:30	REAMING	Wash & ream f/ 22,856' - 22,969' (113' @ 226'/hr) GPM-700 RPM-100 TQ- 13-26k, while pumping sweeps, coffee ground size cuttings coming across shakes 40% coverage.
06:30	3.00	3.50	09:30	COND MUD & CIRC	Circulate hole clean pumping 3 bottom's up & high vis sweeps.
09:30	3.50	7.00	13:00	TRIPS	Flow check, POOH f/ 22,969' - 16,000' (short trip, no issues)
13:00	1.75	8.75	14:45	TRIPS	Trip in the hole f/ 16,000' - t/ 19,000' filling pipe every 30 stands.
14:45	6.75	15.50	21:30	REAMING	Wash and ream to bottom f/ 19,000' - t/ 22,969' (3,969' @ 588'/hr) GPM-700 SPP- 3,050 RPM-100 TQ-16-22k, getting coffee ground to super fine cuttings back.
21:30	3.25	18.75	00:45	COND MUD & CIRC	Circulate 3 bottoms up while pumping sweeps and working pipe, flow check (static), pump slug.
00:45	5.25	24.00	06:00	TRIPS	POOH f/ 22,969' - t/ 8,967' (short trip, no issues)

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 34	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²)	Filtrate (mL/30min) 31.0	Filter Cake (1/32")	pH 9.5	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.5	Percent Water (%) 89.5	Chlorides (mg/L) 53,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #6, Cleanout /Reamer run**

Bit Run 6	Size (in) 8 1/2	Make Smith	Model F47	Serial Number F47HYPS	
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String Length (ft)  
22,856.00

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Bit Sub	2.25		ADS BIT sub 4-1/2 Reg X 4-1/2 IF
5" Drill Pipe	22,852.75		

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft)	Drilling Time (hr) 0.00	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 51,012.00	Cum To Date (Cost) 1,963,515.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production, 22,949.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/23/2022 06:00

Report End: 4/24/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/23/2022 06:00	Report End Date 4/24/2022 06:00	Daily Field Est Total (Cost) 51,012.00	Cum Field Est To Date (Cost) 1,963,515.28	Field / AFE % (%) 74.5
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	9,852.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,429.00	5% contengencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,000.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/24/2022 06:00 - 4/25/2022 06:00</b>	
Operations at Report Time Slip and cut drill line @ 8,714'	Operations Next Report Period Continue to POOH t/ BHA, break bit and sub, pull wear bushing, clear rig floor, R/U casing crew and related equipment, RIH w/ 5.5" Production casing (Reamer shoe, Float, TTS, Air-lock sub and no Centralizers)

Operations Summary  
Rig service, TIH f/ 8,941' - 19,000', wash & ream f/ 19,000' - 22,969', circulate 6 bottoms up, flow check (static), pump slug, POOH f/ 22,969' - t/ 8,714, slip and cut drill line.

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.50	0.50	06:30	LUBRICATE & SERVICE RIG	Rig Service, top drive & blocks
06:30	4.75	5.25	11:15	TRIPS	TIH f/ 8,941' - 19,000', filling pipe every 30 stands.
11:15	5.75	11.00	17:00	REAMING	Wash and ream to bottom f/ 19,000' - t/ 22,969' (3,969' @ 690'/hr) GPM-700 SPP- 3,050 RPM-100 TQ-16-22k, getting coffee ground to super fine cuttings back.
17:00	6.50	17.50	23:30	COND MUD & CIRC	Circulate 6 bottoms up, GPM-750 RPM-100 TQ-19k SPP-3,300, flow check (static), pump slug.
23:30	5.00	22.50	04:30	TRIPS	POOH f/ 22,969' - t/ 8,714' w/ no issues
04:30	1.50	24.00	06:00	CUT OFF DRILL LINE	Slip and cut drill line (120')

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 33	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²)	Filtrate (mL/30min) 26.0	Filter Cake (1/32")	pH 9.5	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 90.0	Chlorides (mg/L) 53,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #6, Cleanout /Reamer run**

Bit Run 6	Size (in) 8 1/2	Make Smith	Model F47	Serial Number F47HYPS	
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String Length (ft)  
22,856.00

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Bit Sub	2.25		ADS BIT sub 4-1/2 Reg X 4-1/2 IF
5" Drill Pipe	22,852.75		

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft)	Drilling Time (hr) 0.00	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 46,035.00	Cum To Date (Cost) 2,009,550.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Intermediate, 8,803.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/24/2022 06:00

Report End: 4/25/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/24/2022 06:00	Report End Date 4/25/2022 06:00	Daily Field Est Total (Cost) 46,035.00	Cum Field Est To Date (Cost) 2,009,550.28	Field / AFE % (%) 76.2
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	5,112.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,192.00	5% contengencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,000.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date
<b>4/25/2022 06:00 - 4/26/2022 06:00</b>	
Operations at Report Time Burping air out of casing to wash to bottom	Operations Next Report Period Continue to RIH w/ 5.5" Production casing (Reamer shoe, Float, TTS, Air-lock sub, and no Centralizers), burst Air-lock / burp pipe, circulate pipe capacity, cement production casing, nipple down, set slips and cut casing, install night cap.

**Operations Summary**  
Continue to POOH f/ 8,714' - t/ BHA, L/D BHA #6 (Clean out assembly), change out saver sub, pull wear bushing and install trip nipple, R/U casing crew and related equipment, M/U shoe track and test (good), RIH w/ 5.5" production casing f/ 0' - t/17,605', rig up cement head & steel lines. Burst air lock sub, fill pipe, & burp air out of casing.

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	4.00	4.00	10:00	TRIPS	POOH f/ 8,714' - BHA
10:00	0.25	4.25	10:15	TRIPS	Lay down BHA
10:15	0.50	4.75	10:45	OTHER	Change out saver sub
10:45	0.50	5.25	11:15	RUN CASING & CEMENT	Pull wear bushing & install trip nipple
11:15	1.75	7.00	13:00	RUN CASING & CEMENT	Rig up Byrd casing crew, Diverse torque turn, & Tubulat solutions thread rep.
13:00	16.00	23.00	05:00	RUN CASING & CEMENT	RIH w/ 5 1/2" 20# HCP-110 TCBC-HT casing f/ surface - 17,605'
05:00	0.50	23.50	05:30	RUN CASING & CEMENT	Rig up cement head & steel lines to burst air lock sub & burb air out of casing.
05:30	0.50	24.00	06:00	COND MUD & CIRC	Burst air lock sub w/ 4,451psi & fill pipe with 303bbls of mud.

**Daily Mud Checks**

Time 18:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 34	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²)	Filtrate (mL/30min) 31.0	Filter Cake (1/32")	pH 9.5	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 90.0	Chlorides (mg/L) 51,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #6, Cleanout /Reamer run**

Bit Run 6	Size (in) 8 1/2	Make Smith	Model F47	Serial Number F47HYPS	
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String Length (ft)

22,856.00

**Drill String Components**

Item Des	Len (ft)	Icon	Com
Bit Sub	2.25		ADS BIT sub 4-1/2 Reg X 4-1/2 IF
5" Drill Pipe	22,852.75		

**Last Drilling Parameter**

Wellbore Original Hole	Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0	Cum Depth Drilled (ft)	Drilling Time (hr) 0.00	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 44,020.00	Cum To Date (Cost) 2,065,960.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production 2, 22,940.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/25/2022 06:00

Report End: 4/26/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/25/2022 06:00	Report End Date 4/26/2022 06:00	Daily Field Est Total (Cost) 44,020.00	Cum Field Est To Date (Cost) 2,065,960.28	Field / AFE % (%) 78.4
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	3,193.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,096.00	5% contengencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,000.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen

**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date

<b>4/26/2022 06:00 - 4/27/2022 06:00</b>	
Operations at Report Time Washing Production casing to bottom @ 21,840'	Operations Next Report Period Continue to wash 5.5" Production casing to bottom, cement production casing, nipple down, set slips and cut casing, install night cap.

Operations Summary  
Continue filling / burping pipe after bursting air lock sub. R/D cement head, wash casing f/ 17,605' - t/ 21,840' (4,230' @ 188'hr) RPM: 20-25, Torque: 16k - 23k, GPM: 430-675, SPP: 730-2200, rig service.

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.75	0.75	06:45	COND MUD & CIRC	Complete filling pipe with 303bbbls of mud.
06:45	0.25	1.00	07:00	RUN CASING & CEMENT	Rig down cement head & steel lines.
07:00	22.50	23.50	05:30	RUN CASING & CEMENT	Wash 5 1/2" 20# HCP-110 TCBC-HT casing f/ 17,610' - 21,840' (4,230' @ 188'hr), RPM: 20-25, Torque: 16k - 23k, GPM: 430-675, SPP: 730-2200
05:30	0.50	24.00	06:00	LUBRICATE & SERVICE RIG	Rig service

**Daily Mud Checks**

Time 17:00	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.45	Funnel Viscosity (s/qt) 34	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²)	Filtrate (mL/30min) 47.0	Filter Cake (1/32")	pH 9.5	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 90.0	Chlorides (mg/L) 49,500.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #<stringno>, <des>**

Bit Run	Size (in)	Make	Model	Serial Number	
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String Length (ft)

**Drill String Components**

Item Des	Len (ft)	Icon	Com

**Last Drilling Parameter**

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 43,613.00	Cum To Date (Cost) 2,109,573.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production 2, 22,940.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Justin Glore, Rig site supervisor	405-205-0199

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date
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## Daily Costs

Report Start: 4/26/2022 06:00

Report End: 4/27/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/26/2022 06:00	Report End Date 4/27/2022 06:00	Daily Field Est Total (Cost) 43,613.00	Cum Field Est To Date (Cost) 2,109,573.28	Field / AFE % (%) 80.0
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	2,306.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	2,076.00	5% contingencies
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,000.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen
IDC CONTRACT LABOR	BLUE ENERGY SERVICES LLC	500.00	Cleaning shacks



**Well Name: University 8-4 D S H 4LS**

**Depth Progress: 0.00**

API/UWI 42-003-48463-00-00	State/Province Texas
Spud Date 11/11/2021 17:00	Rig Release Date 4/28/2022 06:00

**4/27/2022 06:00 - 4/28/2022 06:00**

Operations at Report Time Prep to walk rig to the University 8-4 BSH #2MS.	Operations Next Report Period Walk rig to the University 8-4 BSH #2MS.
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**Operations Summary**  
Washed casing f/ 21,840' - 21,940' R/D casing crew, PJSM, R/U cementers. While pumping spacer, cement trucks computer crashed, turn back over to the rig & circulate while waiting on new pump truck and spacer to arrive. PJSM, R/U cementers & cement production cement, displaced w/ 506 bbls of FW, FCP 2,330 psi. bumped plug w/ 3,300 psi. floats held, bled 6 bbls back did not circulate cement to surface. (ETOL: 1,480' ETOT: 4,494') N/D BOP, set slips w/ 195k, cut casing & lay out. Install night cap & prep to walk rig to the University 8-4 BSH #2MS. (Released rig @ 06:00 hrs 4/28/22)

**Daily Time Log**

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	6.50	6.50	12:30	RUN CASING & CEMENT	Wash 5 1/2" 20# HCP-110 TCBC-HT casing f/ 21,840' - 22,940' (1,100' @ 147'/hr), RPM: 20-25, Torque: 16k - 23k, GPM: 430-675, SPP: 730-2200
12:30	1.00	7.50	13:30	RUN CASING & CEMENT	Rig down casing crews & rig up Halliburton cementers.
13:30	1.00	8.50	14:30	RUN CASING & CEMENT	Fill & test lines to 7,000psi. Started mixing & pumping spacer & Halliburton on board computer crashed on cement truck. Turned operation over to rig to pump spacer out & wait on replacement spacer & pump truck.
14:30	7.25	15.75	21:45	COND MUD & CIRC	Wait on replacement spacer & Halliburton pump truck.
21:45	5.25	21.00	03:00	RUN CASING & CEMENT	PJSM, Cement production casing as follows: Pump 60 bbl tuned spacer, followed by Lead: 830 sks (368 bbls) 11 ppg of NeoCem cement + additives followed by Tail: 3,075 sks (777 bbls) of NeoCem cement. Displaced w/ 506 bbls of FW first 20 bbls. with sugar water, Full returns entire job. FCP 2,300 psi @ 4/bbls min. Bump plug w/ 3,300 psi @ 2:39 hrs. Floats held & bled back 6 bbls, did not circulate cement to surface. (ETOL: 1,480' ETOT: 4,494')
03:00	0.50	21.50	03:30	OTHER	R/D cementers and flush out lines & BOP.
03:30	1.00	22.50	04:30	NIPPLE UP/DOWN B.O.P	PJSM, Rig up N/D crew & N/D BOP and related equipment.
04:30	1.00	23.50	05:30	OTHER	Set slips w/ 195k, cut casing & lay out. Install night cap while cleaning pits.
05:30	0.50	24.00	06:00	RIGUP & TEARDOWN	Prep to walk rig to the University 8-4 B S H #2MS. (Release rig @ 06:00 hrs 4/28/22)

**Daily Mud Checks**

Time 15:30	Type Synthetic	Depth (ftKB) 22,969.0	Density (lb/gal) 9.45	Funnel Viscosity (s/qt) 34	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Gel 30 min (lb/100ft²)	Filtrate (mL/30min) 43.0	Filter Cake (1/32") 1	pH 9.5	Solids (%) 7.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 90.0	Chlorides (mg/L) 54,500.000	Calcium (mg/L) 340.000	Potassium (mg/L)	Electric Stab (V)

**Drill Strings**

**BHA #<stringno>, <des>**

Bit Run	Size (in)	Make	Model	Serial Number	
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String Length (ft)

**Drill String Components**

Item Des	Len (ft)	Icon	Com

**Last Drilling Parameter**

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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AFE Number 21-DCD-9081	AFE+Supp Amt (Cost) 2,636,065.00
Daily Field Est Total (Cost) 712,805.00	Cum To Date (Cost) 2,829,628.28
Start Depth (ftKB) 22,969.0	End Depth (ftKB) 22,969.0
Target Formation Lower Spraberry	Target Depth (ftKB) 17,660.0
Last Casing String Production 2, 22,940.0ftKB	

**Daily Contacts**

Job Contact	Mobile
Joe Kriethe, Rig site supervisor	432-260-2021
Jeremy White, Rig site supervisor	432-488-7772

**Rigs**

**Burton, 10**

Contractor Burton	Rig # 10	Start Date 11/9/2021	RR Date 11/13/2021
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**Ensign Drilling, T54**

Contractor Ensign Drilling	Rig # T54	Start Date 12/21/2021	RR Date 4/28/2022
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## Daily Costs

Report Start: 4/27/2022 06:00

Report End: 4/28/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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AFE Type  
Drilling

### Daily Summary

AFE Number 21-DCD-9081	Total AFE + Supp Amount (Cost) 2,636,065.00	Report Start Date 4/27/2022 06:00	Report End Date 4/28/2022 06:00	Daily Field Est Total (Cost) 712,805.00	Cum Field Est To Date (Cost) 2,829,628.28	Field / AFE % (%) 107.3
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### Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC DRILLING RIG	ENSIGN	20,184.00	Drilling-Daywork 20,184 + / (RM 90% 18,166)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	765.00	Housing
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	792.00	Pason
IDC OTHER EQUIP RENTAL	WATERFLEET, LLC	600.00	Water Fleet
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Package
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix Pit
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	140.00	Mud Tanks x 4 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	75.00	frac tanks x 3 tanks
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	420.00	4" x 4" transfer pumps x 6 pumps
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	80.00	light towers x 2
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	portajohns
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	trash trailer and dump fee 350
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	125.00	Fitbox/Storage Container
IDC SUPERVISION	EWS CONSULTING	4,200.00	Drilling Supervision
IDC MUD & CHEMICALS	BLACK DIAMOND	90.00	black diamond mud line filter
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	150.00	Flare Line, Ignitor, Drive Ove
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	140.00	Rotating Head
IDC CONSULTING ENGINEER/GEOLOGIST	BUCKEYE	895.00	Engineer Cost
IDC OTHER EQUIP RENTAL	BUCKEYE	130.00	Blowers \$65 a piece we have 2
IDC OTHER EQUIP RENTAL	BUCKEYE	50.00	\$25 a piece we have 2
IDC MUD & CHEMICALS	BUCKEYE	8,848.00	Mud & Chemicals
IDC DIRECTIONAL DRILLING	High Performance Directional	3,750.00	Directional Services
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	DES Solids Control
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Slip fuel tank
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	Crown lights
IDC OTHER EQUIP RENTAL	SUN SPECIALTY PRODUCTS	0.00	Bead system
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	225.00	Orbit valve
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,000.00	Phoenix MWD
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	250.00	190kw Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	195.00	150kw gen
IDC CASING CREWS & SERVICE	TUBULAR SOLUTIONS INC	8,005.00	Thread rep / additional hours
IDC CASING CREWS & SERVICE	BYRD OILFIELD SERVICES,LLC	20,500.00	5 1/2 production casing crew
IDC CASING CREWS & SERVICE	BYRD OILFIELD SERVICES,LLC	10,200.00	CRT for 5 1/2" production run
IDC CONTRACT LABOR	PRO TORQUE	650.00	Bucked on float equipment
IDC CASING CREWS & SERVICE	DIVERSE ENERGY SOLUTIONS, LLC	7,820.00	Torque turn 5 1/2" production casing
IDC CONTRACT LABOR	INNOVEX DOWNHOLE SOLUTIONS, INC.	10,000.00	Innovex tool hand 5 1/2" production casing
TDC OTHER SUBSURFACE EQUIPMENT	INNOVEX DOWNHOLE SOLUTIONS, INC.	28,180.00	5 1/2" production float equipment



## Daily Costs

Report Start: 4/27/2022 06:00

Report End: 4/28/2022 06:00

Well Name: University 8-4 D S H 4LS

API/UWI 42-003-48463-00-00	Pad Name Univeristy 8-4 South_6WP	Field Name Spraberry (Trend Area)	Spud Date 11/11/2021 17:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,026.00	KB-Ground Distance (ft) 25.00
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Daily Costs			
Cost Des	Vendor	Field Est (Cost)	Note
TDC PRODUCTION CASING	UNITED CASING INC	435,860.00	5 1/2" production casing
IDC CEMENT & CEMENT SERVICES	HALLIBURTON ENERGY SERVICES INC	138,773.00	5 1/2" production cement
TDC MISC & CONTINGENCIES	PIEDRA OPERATING	5,238.00	5% contingencies