

Well Name: University 8-9 N 5LS

Depth Progress: 0.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date

5/5/2022 17:00 - 5/6/2022 06:00

Operations at Report Time Drilling out Float equip/Shoe Track	Operations Next Report Period Continue drill out float equip. Drill 8 1/2" Curve as per directional plan #2
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Operations Summary
Accept Rig @ 17:00 5/5/20. Nipple up and Test BOP/Chocke manifold. Pick up/Make Up Dir Curve BHA. Scribe motor, Test motor and MWD tool. Make up bit. TITH Drill out DV/ACP. Test casing below DV Tool. TITH and Drill out Float Equip

Daily Time Log

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
17:00	0.50	0.50	17:30	RIGUP & TEARDOWN	Walk Rig and center over well
17:30	1.00	1.50	18:30	NIPPLE UP/DOWN B.O.P	Nipple up BOP
18:30	0.50	2.00	19:00	OTHER	Rig up Flowline, Mudlines. Install stairs and walkways. Install turnbuckles
19:00	2.00	4.00	21:00	TEST B.O.P	Test Choke 250/5000psi. Install test plug and fill stack. Test Blinds, Pipe Rams, Outside Kill, manual @ 250/5000psi. Test Annular @ 250/3500psi
21:00	0.50	4.50	21:30	OTHER	Install Wear bushing
21:30	0.75	5.25	22:15	OTHER	Test Casing @ 1500psi and hold for 30 minutes (ok)
22:15	1.00	6.25	23:15	DIRECTIONAL WORK	P/U directional BHA. Scribe motor
23:15	0.50	6.75	23:45	DIRECTIONAL WORK	Test motor and MWD tool @ 500 gpm. Make up Bit
23:45	2.50	9.25	02:15	TRIPS	Trip in the hole F/94.6' - 6,913'
02:15	0.75	10.00	03:00	OTHER	Drill out out DV Tool/ACP WOB 15-20, ROT 20, SPP 950, DIFF 200, TQ 3-7k
03:00	0.25	10.25	03:15	TRIPS	Trip in the hole F/6,950' - 7,015'
03:15	0.25	10.50	03:30	OTHER	Drill out Landing collar. WOB 15-20, ROT 20, SPP 950, DIFF 200, TQ 3-7k
03:30	0.50	11.00	04:00	TRIPS	Trip in the Hole F/7,019' - 8,757'
04:00	0.50	11.50	04:30	OTHER	Pull Trip Nipple and Install Rotating Head
04:30	1.00	12.50	05:30	OTHER	Test casing Below DV Tool. Test @ 1500psi and hold for 30 mins (ok)
05:30	0.50	13.00	06:00	OTHER	Drill out float equipment/Shoe Track F/8,763'-8,807'

Daily Mud Checks

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	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 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 90,066.00	Cum To Date (Cost) 1,605,700.08
Start Depth (ftKB) 8,807.0	End Depth (ftKB) 8,807.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Fidi Naranjo, Drilling Consultant	713-702-8827
Shaun Savas, Drilling Consultant	210-392-0721
Bernarbe Palacios, Tool Pusher	661-444-0958

Rigs

Burton, 10

Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Daily Costs

Report Start: 5/5/2022 17:00**Report End: 5/6/2022 06:00****Well Name: University 8-9 N 5LS**

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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AFE Type
Drilling**Daily Summary**

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/5/2022 17:00	Report End Date 5/6/2022 06:00	Daily Field Est Total (Cost) 90,066.00	Cum Field Est To Date (Cost) 1,605,700.08	Field / AFE % (%) 47.8
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	26,279.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	4,500.00	Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	3,782.00	XT50 Rental Pipe @ \$0.18 per/ft for 667 joints
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC BITS	ULTERRA DRILLING TECHNOLOGIES LP	12,012.00	8 1/2" Production Bit CF611
IDC CONTRACT LABOR	BOP RAM BLOCK & IRON RENTALS, INC.	3,900.00	Nipple up and Tes BOP

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00				State/Province Texas	
Spud Date 1/8/2022 16:00				Rig Release Date	
5/6/2022 06:00 - 5/7/2022 06:00					
Operations at Report Time Testing before and after picking up agitator				Operations Next Report Period Continue TITH with lateral BHA to 8,800' (shoe). Slip and cut 8 wraps drill line. Continue TITH to 9,965' and drill lateral as per directional plan #2	
Operations Summary Drill 8 1/2" curve. Land @ 9,965'. Circulate and pump sweep. Build /Pump slug. TOOH with curve assy. LD curve BHA. P/U 8 1/2" lateral assy. TITH. Test before and after picking up agitator					
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	Rotating f/ 8,809' - 8,965' (156' @ 78 ft/hr) Gpm - 600 // Spp - 1850 // Diff - 350 // Torq - 10 // Rpm - 30 // Wob - 30K
08:00	2.50	4.50	10:30	DRILL SLIDING	Slide f/ 8,965' - 9,135' (170' @ 68 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Wob - 45K // MTF - 170
10:30	0.50	5.00	11:00	DRILL ROTATING	Rotating f/ 9,135' - 9,185' (50' @ 100 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Torq - 10 // Rpm - 25 // Wob - 30K
11:00	0.75	5.75	11:45	DRILL SLIDING	Slide f/ 9,185' - 9,231' (46' @ 61 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Wob - 45K // GTF - 20R
11:45	0.25	6.00	12:00	DRILL ROTATING	Rotating f/ 9,231' - 9,266' (.5' @ 140 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Torq - 10 // Rpm - 25 // Wob - 30K
12:00	0.75	6.75	12:45	DRILL SLIDING	Slide f/ 9,266' - 9,325' (59' @ 78.7 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Wob - 45K // GTF - 20R
12:45	0.25	7.00	13:00	DRILL ROTATING	Rotating f/ 9,325' - 9,355' (25' @ 140 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Torq - 10 // Rpm - 25 // Wob - 30K
13:00	1.00	8.00	14:00	DRILL SLIDING	Slide f/ 9,355' - 9,420' (65' @ 65 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Wob - 45K // GTF - HS
14:00	0.25	8.25	14:15	DRILL ROTATING	Rotating f/ 9,420' - 9,458' (38' @ 140 ft/hr) Gpm - 600 // Spp - 1950 // Diff - 350 // Torq - 10 // Rpm - 25 // Wob - 30K
14:15	0.75	9.00	15:00	DRILL SLIDING	Slide f/ 9,458' - 9,515' (57' @ 76 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 550 // Wob - 50K // GTF - 20R
15:00	0.50	9.50	15:30	DRILL ROTATING	Rotating f/ 9,515' - 9,550' (35' @ 70 ft/hr) Gpm - 600 // Spp - 2100 // Diff - 550 // Torq - 10 // Rpm - 25 // Wob - 40K
15:30	0.50	10.00	16:00	DRILL SLIDING	Slide f/ 9,550' - 9,610' (60' @ 120 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 400 // Wob - 50K // GTF - 30R
16:00	0.50	10.50	16:30	DRILL ROTATING	Rotating f/ 9,610' - 9,670' (60' @ 120 ft/hr) Gpm - 600 // Spp - 2100 // Diff - 550 // Torq - 13 // Rpm - 25 // Wob - 40K
16:30	0.50	11.00	17:00	DRILL SLIDING	Slide f/ 9,670' - 9,704' (60' @ 120 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 400 // Wob - 50K // GTF - 10R
17:00	0.25	11.25	17:15	DRILL ROTATING	Rotating f/ 9,704' - 9,711' (7' @ 28 ft/hr) Gpm - 600 // Spp - 2100 // Diff - 550 // Torq - 13 // Rpm - 25 // Wob - 40K
17:15	1.00	12.25	18:15	DRILL SLIDING	Slide f/ 9,711' - 9,800' (89' @ 89 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 400 // Wob - 50K // GTF - 1HS
18:15	0.25	12.50	18:30	DRILL ROTATING	Rotating f/ 9,800' - 9,823' (23' @ 92 ft/hr) Gpm - 600 // Spp - 2100 // Diff - 550 // Torq - 13 // Rpm - 25 // Wob - 40K
18:30	1.00	13.50	19:30	DRILL SLIDING	Slide f/ 9,823' - 9,896' (89' @ 89 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 400 // Wob - 50K // GTF - HS
19:30	0.50	14.00	20:00	DRILL ROTATING	Rotating f/ 9,896' - 9,945' (49' @ 98 ft/hr) Gpm - 600 // Spp - 2100 // Diff - 550 // Torq - 13 // Rpm - 25 // Wob - 40K
20:00	0.25	14.25	20:15	DRILL SLIDING	Slide f/ 9,945' - 9,965' (20' @ 80 ft/hr) Gpm - 600 // Spp - 2050 // Diff - 400 // Wob - 50K // GTF - HS Land Curve @ 9,965'
20:15	1.00	15.25	21:15	COND MUD & CIRC	Circulate. Pump sweep and circulate hole clean. Build slug
21:15	0.50	15.75	21:45	COND MUD & CIRC	Flow Check (well static)/Pump Slug
21:45	3.00	18.75	00:45	TRIPS	Trip in the hole F/9,965'- 574'(Fill hole and monitor with trip tank)
00:45	0.25	19.00	01:00	OTHER	Pull rotating head

AFE Number 22-DCD-9100		AFE+Supp Amt (Cost) 3,359,516.00	
Daily Field Est Total (Cost) 79,857.00		Cum To Date (Cost) 1,685,557.08	
Start Depth (ftKB) 8,852.0		End Depth (ftKB) 9,965.0	
Target Formation Lower Spraberry		Target Depth (ftKB) 9,000.0	
Last Casing String Intermediate, 8,807.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Fidi Naranjo, Drilling Consultant		713-702-8827	
Shaun Savas, Drilling Consultant		210-392-0721	
Rigs			
Burton, 10			
Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
Helmerich & Payne Drilling, 460			
Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022

Well Name: University 8-9 N 5LS

Depth Progress: 1,113.00

Daily Time Log

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
01:00	1.00	20.00	02:00	TRIPS	Trip in the hole F/574'- 96' BHA (Fill hole and monitor with trip tank)
02:00	0.75	20.75	02:45	TRIPS	L/D Pony and filter sub. Drain motor and break bit
02:45	1.25	22.00	04:00	DIRECTIONAL WORK	P/U Motor and stab. Make up NMDC, MWD carrier. Scribe motor, Test motor and MWD @ 500gpm. Make up Bit
04:00	0.50	22.50	04:30	TRIPS	Trip in the hole F/108' - 2,013'
04:30	0.00	22.50	04:30	OTHER	Test before picking up agitator 1100psi @ 600gpm. P/U agitator and test

Daily Mud Checks

Time 03:00	Type Water Base	Depth (ftKB) 9,965.0	Density (lb/gal) 8.95	Funnel Viscosity (s/qt) 32	PV Calc (cP) 5.0	YP Calc (lb/100ft²) 2.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²) 1.000	Gel 30 min (lb/100ft²) 1.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 9.0	Solids (%) 5.0
MBT (lb/bbl)	Percent Oil (%) 3.0	Percent Water (%) 93.0	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)

Drill Strings

BHA #3, Curve

Bit Run 1	Size (in) 8 1/2	Make ULTERRA	Model CF611	Serial Number 60092	
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String Length (ft)
9,964.66

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	9,869.00		
XO Sub	4.03		
Filter Sub	4.93		
NMFC	30.08		
EVO Collar	17.70		
Pony	13.60		
Mud Motor - Bent Housing	24.32		

Last Drilling Parameter

Wellbore Original Hole	Start Depth (ftKB) 9,965.0	End Depth (ftKB) 9,965.0	Cum Depth Drilled (ft) 1,160.00	Drilling Time (hr) 12.00	Cum Drilling Time (hr) 12.00	Interval ROP (ft/hr) 0.0
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BHA #4, Lateral

Bit Run 1	Size (in) 8 1/2	Make REED/NOV	Model TKC66	Serial Number A269938	
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String Length (ft)
9,965.20

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	7,919.00		
Agitator	33.15		
Drill Pipe	1,904.22		
XO Sub	4.03		
Filter sub	4.57		
NMDC	31.15		
EVO NM Collar	17.70		
Pony	13.60		
Stabilizer	4.76		
Mud Motor	32.02		NOV ERT 7/8 5.7 .23 RPG

Last Drilling Parameter

Wellbore Original Hole	Start Depth (ftKB) 9,965.0	End Depth (ftKB) 9,965.0	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)
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Daily Costs

Report Start: 5/6/2022 06:00

Report End: 5/7/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/6/2022 06:00	Report End Date 5/7/2022 06:00	Daily Field Est Total (Cost) 79,857.00	Cum Field Est To Date (Cost) 1,685,557.08	Field / AFE % (%) 50.2
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	26,279.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	8,675.00	Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	550.00	Delivered agitator with XO's
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	650.00	Delivered back up agitator and motors



Daily Drilling

Report Start: 5/7/2022 06:00

Report End: 5/8/2022 06:00

Well Name: University 8-9 N 5LS

Depth Progress: 0.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date

5/7/2022 06:00 - 5/8/2022 06:00

Operations at Report Time Drilling the lateral @12,506'	Operations Next Report Period Continue drilling lateral as per directional plan #2
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Operations Summary
TITH with lateral BHA to 8,803' (shoe). Slip and cut 8 wraps drill line. Continue TITH to 9,965' and drill lateral F/9,965' - 12,506' as per directional plan #2 (slide as needed)

Daily Time Log

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	2.50	2.50	08:30	TRIPS	Continue to trip in the hole f/ 3000' - 8611', filling every 30 stands
08:30	0.50	3.00	09:00	OTHER	Remove the trip nipple and install the rotating head
09:00	0.25	3.25	09:15	TRIPS	Continue to trip in the hole f/ 8611' - 8803'
09:15	0.50	3.75	09:45	CUT OFF DRILL LINE	Cut off 9 wraps of drill line (85')
09:45	0.50	4.25	10:15	LUBRICATE & SERVICE RIG	Rig Service
10:15	0.75	5.00	11:00	TRIPS	Continue to trip in the hole f/ 8803' - 9965'. Fill pipe
11:00	1.00	6.00	12:00	DRILL ROTATING	Rotate f/ 9,965' - 10,062' (97' @ 97 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
12:00	0.25	6.25	12:15	DRILL SLIDING	Slide f/ 10,062' - 10,076' (14' @ 56 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 100L
12:15	0.50	6.75	12:45	DRILL ROTATING	Rotate f/ 10,076' - 10,156' (76' @ 152 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
12:45	0.25	7.00	13:00	DRILL SLIDING	Slide f/ 10,156' - 10,170' (14' @ 56 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 75L
13:00	0.50	7.50	13:30	DRILL ROTATING	Rotate f/ 10,170' - 10,245' (75' @ 150 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
13:30	0.25	7.75	13:45	DRILL SLIDING	Slide f/ 10,245' - 10,255' (10' @ 40 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 20L
13:45	5.75	13.50	19:30	DRILL ROTATING	Rotate f/ 10,255' - 11,130' (875' @ 152 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
19:30	0.25	13.75	19:45	DRILL SLIDING	Slide f/ 11,130' - 11,145' (15' @ 60 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 110L
19:45	3.00	16.75	22:45	DRILL ROTATING	Rotate f/ 11,145' - 11,580' (435' @ 145 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
22:45	0.75	17.50	23:30	DRILL SLIDING	Slide f/ 11,580' - 11,604' (24' @ 32 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 150R
23:30	1.00	18.50	00:30	DRILL ROTATING	Rotate f/ 11,604' - 11,765' (161' @ 161 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
00:30	0.50	19.00	01:00	DRILL SLIDING	Slide f/ 11,765' - 11,780' (15' @ 30 ft/hr) Gpm - 640 // P.Psi - 2800 // Diff - 400 // Wob - 35K // GTF - 180
01:00	1.00	20.00	02:00	DRILL ROTATING	Rotate f/ 11,780' - 12,000' (220' @ 220 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 550 // Wob - 40K // Rpm - 64 // TQ - 18K
02:00	4.00	24.00	06:00	DRILL ROTATING	Rotate f/ 12,000' - 12,506' (506' @ 126 ft/hr) Gpm - 640 // P.Psi - 2900 // Diff - 450 // Wob - 36K // Rpm - 65 // TQ - 20K

Daily Mud Checks

Time 03:00	Type Water Base	Depth (ftKB) 12,183.0	Density (lb/gal) 9.10	Funnel Viscosity (s/qt) 30	PV Calc (cP) 5.0	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)	Filter Cake (1/32")	pH 9.0	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)

Drill Strings

BHA #3, Curve

Bit Run 1	Size (in) 8 1/2	Make ULTERRA	Model CF611	Serial Number 60092	
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String Length (ft)
9,964.66

AFE Number 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 58,641.00	Cum To Date (Cost) 1,744,198.08
Start Depth (ftKB) 12,506.0	End Depth (ftKB) 12,506.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Fidi Naranjo, Drilling Consultant	713-702-8827
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10








Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Well Name: University 8-9 N 5LS

Depth Progress: 0.00

Drill String Components						
Item Des		Len (ft)	Icon	Com		
Drill Pipe		9,869.00				
XO Sub		4.03				
Filter Sub		4.93				
NMFC		30.08				
EVO Collar		17.70				
Pony		13.60				
Mud Motor - Bent Housing		24.32				
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	9,965.0	9,965.0	1,160.00	12.00	12.00	0.0

Daily Costs

Report Start: 5/7/2022 06:00

Report End: 5/8/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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AFE Type
Drilling











Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/7/2022 06:00	Report End Date 5/8/2022 06:00	Daily Field Est Total (Cost) 58,641.00	Cum Field Est To Date (Cost) 1,744,198.08	Field / AFE % (%) 51.9
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	6,263.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	8,675.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00		State/Province Texas	
Spud Date 1/8/2022 16:00		Rig Release Date	
5/9/2022 06:00 - 5/10/2022 06:00			
Operations at Report Time Tripping Out of the Hole for low ROP		Operations Next Report Period Continue TOO. Lay down BHA. Pick up new BHA (bit and motor). TITH, test agitator before and after. Continue to TITH to bottom and drill lateral section as per plan 2	
Operations Summary Drill lateral F/14,791' - 16,035' as per directional plan #2 (slide as needed). Circulate, Pump two 30bbl high vis sweeps and circulate bottoms up. Flow check, Pump slug. TOO. F/16,035' - 8,976'			
Daily Time Log			
Start Time	Dur (hr)	Cum Dur (hr)	End Time
06:00	2.25	2.25	08:15
			DRILL ROTATING
			Rotate f/ 14,791' - 14,979' (188' @ 83.6 ft/hr) Gpm - 667 // P.Psi - 3100 // Diff - 450 // Wob - 36K // Rpm - 65 // TQ - 23K
08:15	5.00	7.25	13:15
			DRILL ROTATING
			Rotate f/ 14,979' - 15,496' (517' @ 103.4 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 350 // Wob - 38K // Rpm - 65 // TQ - 26K
13:15	0.50	7.75	13:45
			DRILL SLIDING
			Slide f/ 15,496' - 15,512' (16' @ 32 ft/hr) Gpm - 693 // P.Psi - 2850 // Diff - 150 // Wob - 50K // GTF - 45L
13:45	2.00	9.75	15:45
			DRILL ROTATING
			Rotate f/ 15,512' - 15,654' (142' @ 71 ft/hr) Gpm - 693 // P.Psi - 3200 // Diff - 400 // Wob - 38K // Rpm - 65 // TQ - 29K
15:45	0.75	10.50	16:30
			DRILL SLIDING
			Slide f/ 15,654' - 15,663' (9' @ 12 ft/hr) Gpm - 693 // P.Psi - 2950 // Diff - 150 // Wob - 50K // GTF - 90L
16:30	1.00	11.50	17:30
			DRILL ROTATING
			Rotate f/ 15,663' - 15,741' (78' @ 78 ft/hr) Gpm - 693 // P.Psi - 3200 // Diff - 400 // Wob - 38K // Rpm - 65 // TQ - 29K
17:30	0.50	12.00	18:00
			LUBRICATE & SERVICE RIG
			Rig Service
18:00	3.50	15.50	21:30
			DRILL ROTATING
			Rotate f/ 15,741' - 15,950' (209' @ 59 ft/hr) Gpm - 693 // P.Psi - 3200 // Diff - 400 // Wob - 38K // Rpm - 65 // TQ - 29K
21:30	1.25	16.75	22:45
			DRILL SLIDING
			Slide f/ 15,950' - 15,965' (15' @ 12 ft/hr) Gpm - 693 // P.Psi - 2950 // Diff - 150 // Wob - 50K // GTF - 160L
22:45	1.25	18.00	00:00
			DRILL ROTATING
			Rotate f/ 15,965' - 16,035' (70' @ 56 ft/hr) Gpm - 693 // P.Psi - 3200 // Diff - 400 // Wob - 42K // Rpm - 65 // TQ - 29K
00:00	1.75	19.75	01:45
			COND MUD & CIRC
			Circulate, Pump two 30bbl high vis sweeps and circulate bottoms up. Build slug
01:45	0.50	20.25	02:15
			OTHER
			Flow Check (well static) / Pump slug
02:15	3.75	24.00	06:00
			TRIPS
			Trip out of hole f/16,035' - 8,976'
Daily Mud Checks			
Time	Type	Depth (ftKB)	Density (lb/gal)
03:00	Water Base	16,037.0	
Gel 10 sec (lb/100ft ²)	Gel 10 min (lb/100ft ²)	Gel 30 min (lb/100ft ²)	Filtrate (mL/30min)
	2.000	3.000	
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)
	2.5	91.5	7,000.000
			Calcium (mg/L)
			60.000
			Potassium (mg/L)
			Electric Stab (V)
Drill Strings			
BHA #4, Lateral 1			
Bit Run	Size (in)	Make	Model
1	8 1/2	REED/NOV	TKC66
String Length (ft)		Serial Number	
16,035.20		A269938	
Drill String Components			
Item Des	Len (ft)	Icon	Com
Drill Pipe	13,989.00		
Agitator	33.15		
Drill Pipe	1,904.22		
XO Sub	4.03		
Filter sub	4.57		
NMDC	31.15		
EVO NM Collar	17.70		
Pony	13.60		
Stabilizer	4.76		
Mud Motor	32.02		NOV ERT 7/8 5.7 .23 RPG

Daily Contacts			
Job Contact		Mobile	
Fidi Naranjo, Drilling Consultant		713-702-8827	
Shaun Savas, Drilling Consultant		210-392-0721	
Rigs			
Burton, 10			
Contractor	Rig #	Start Date	RR Date
Burton	10	1/8/2022	1/10/2022
Helmerich & Payne Drilling, 460			
Contractor	Rig #	Start Date	RR Date
Helmerich & Payne Drilling	460	3/23/2022	3/28/2022

Well Name: University 8-9 N 5LS

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	14,791.0	16,035.0	6,070.00	17.50	60.75	71.1

Daily Costs

Well Name: University 8-9 N 5LS

Report Start: 5/9/2022 06:00

Report End: 5/10/2022 06:00

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/9/2022 06:00	Report End Date 5/10/2022 06:00	Daily Field Est Total (Cost) 104,722.00	Cum Field Est To Date (Cost) 1,909,168.08	Field / AFE % (%) 56.8
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	11,162.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	12,887.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC FUEL & POWER	INDUSTRIAL OILS, INC	31,792.00	Received 7044 gal. diesel - Inv# D30788
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.



Daily Costs

Well Name: University 8-9 N 5LS

Report Start: 5/9/2022 06:00

Report End: 5/10/2022 06:00

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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Daily Costs			
Cost Des	Vendor	Field Est (Cost)	Note
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	775.00	Delivered 2 Bico motors - Backhaul 1 dirty to NOV
IDC TUBULAR INSPECTIONS	DEL'S INSPECTION SERVICECOMPANY	3,553.00	Clean/Drift and Tally 5 1/2" Prod
IDC TRANSPORTATION	JC OVER THE TOP OILFIELD SERVICES LLC	650.00	Hot Shot for Directional motor

Well Name: University 8-9 N 5LS

Depth Progress: 612.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date
5/10/2022 06:00 - 5/11/2022 06:00	
Operations at Report Time Drilling the lateral	Operations Next Report Period Continue drilling lateral as per directional plan #2
Operations Summary Continue TOOH. Lay down BHA. Pick up new BHA (bit and motor). TITH, test agitator before and after. Continue to TITH to bottom and drill lateral section as per plan 2	

Daily Time Log


Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.50	0.50	06:30	TRIPS	Continue to pull out of the hole f/ 8,230' - 7,440'
06:30	0.50	1.00	07:00	LUBRICATE & SERVICE RIG	Rig service - Change hydraulic hose on ST-80
07:00	2.25	3.25	09:15	TRIPS	Continue to pull out of the hole f/ 7,440' - 2,204'
09:15	0.50	3.75	09:45	OTHER	Pull the rotating head and install the trip nipple
09:45	0.75	4.50	10:30	TRIPS	Continue to pull out of the hole f/ 2,204' to the BHA
10:30	0.75	5.25	11:15	PU AND LD DRILL PIPE, CHANGEOUT BHA	Pick up, drain motor, break the bit and lay out the tools.
11:15	1.00	6.25	12:15	PU AND LD DRILL PIPE, CHANGEOUT BHA	Pick up new motor, mwd and scribe.
12:15	0.25	6.50	12:30	DIRECTIONAL WORK	Test tools, good.
12:30	0.50	7.00	13:00	PU AND LD DRILL PIPE, CHANGEOUT BHA	Knock out the filter screen and swap out to a new screen.
13:00	1.00	8.00	14:00	TRIPS	Trip in the hole f/ the BHA t/ 2,012'
14:00	1.50	9.50	15:30	DIRECTIONAL WORK	Fill the pipe and get pressure before picking up the agitator. 1100 psi. C/O agitator/Break XO's. Pick up new agitator and test. 1625 psi. (525psi pressure drop)
15:30	2.50	12.00	18:00	TRIPS	Continue Trip in the hole f/2,012' - 7,660'.
18:00	0.25	12.25	18:15	OTHER	Pull Trip nipple/Install rotating head
18:15	2.75	15.00	21:00	TRIPS	Continue Trip in the hole f/7,660' - 12,975'
21:00	0.25	15.25	21:15	REAMING	Wash down jnt 135 f/12,918' - 12,975'
21:15	1.50	16.75	22:45	TRIPS	Continue Trip in the hole f/12,975' - 15,375'
22:45	0.75	17.50	23:30	REAMING	Wash down f/15,375' - 16,035' (bottom)
23:30	1.25	18.75	00:45	DRILL ROTATING	Rotate f/ 16,035' - 16,140' (105' @ 84 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
00:45	0.50	19.25	01:15	DRILL SLIDING	Slide f/ 16,140' - 16,155' (15' @ 30 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 180
01:15	1.75	21.00	03:00	DRILL ROTATING	Rotate f/ 16,155' - 16,330' (175' @ 175 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
03:00	0.25	21.25	03:15	DRILL SLIDING	Slide f/ 16,330' - 16,340' (10' @ 40 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 180
03:15	2.25	23.50	05:30	DRILL ROTATING	Rotate f/ 16,340' - 16,635' (295' @ 132 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
05:30	0.50	24.00	06:00	DRILL SLIDING	Slide f/ 16,330' - 16,340' (10' @ 20 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 180

Daily Mud Checks



Time 06:00	Type Water Base	Depth (ftKB) 16,499.0	Density (lb/gal) 9.00	Funnel Viscosity (s/qt) 35	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 6.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 2.000	Gel 30 min (lb/100ft²) 3.000	Filtrate (mL/30min) 4,500.000	Filter Cake (1/32") 160.000	pH 9.5	Solids (%) 6.0
MBT (lb/bbl) 4.0	Percent Oil (%) 4.0	Percent Water (%) 90.0	Chlorides (mg/L) 4,500.000	Calcium (mg/L) 160.000	Potassium (mg/L)	Electric Stab (V)

Drill Strings

BHA #4, Lateral 1

Bit Run 3	Size (in) 8 1/2	Make REED/NOV	Model TKC66	Serial Number A269938	
String Length (ft) 16,035.20					

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	13,989.00		
Agitator	33.15		

AFE Number 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 100,440.00	Cum To Date (Cost) 2,009,608.08
Start Depth (ftKB) 16,035.0	End Depth (ftKB) 16,645.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10









Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460


Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Well Name: University 8-9 N 5LS











Depth Progress: 612.00

Drill String Components			
Item Des	Len (ft)	Icon	Com
Drill Pipe	1,904.22		
XO Sub	4.03		
Filter sub	4.57		
NMDC	31.15		
EVO NM Collar	17.70		
Pony	13.60		
Stabilizer	4.76		
Mud Motor	32.02		NOV ERT 7/8 5.7 .23 RPG

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	16,035.0	16,037.0	6,072.00		60.75	

BHA #5, Lateral 2					
Bit Run	Size (in)	Make	Model	Serial Number	
4	8 1/2	REED/NOV	TKC66	A289491	

String Length (ft)
16,645.39

Drill String Components			
Item Des	Len (ft)	Icon	Com
Drill Pipe	14,600.00		
Agitator	33.15		
Drill Pipe	1,904.22		
XO Sub	4.03		
Filter sub	4.57		
NMDC	31.15		
EVO NM Collar	17.12		
Pony	13.60		
Stabilizer	4.76		
Mud Motor	31.79		NOV ERT 7/8 5.7 .23 RPG

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	16,035.0	16,645.0	610.00	6.50	6.50	93.8

Daily Costs

Report Start: 5/10/2022 06:00

Report End: 5/11/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/10/2022 06:00	Report End Date 5/11/2022 06:00	Daily Field Est Total (Cost) 100,440.00	Cum Field Est To Date (Cost) 2,009,608.08	Field / AFE % (%) 59.8
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	11,162.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	12,887.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.
IDC CONTRACT LABOR	Loyo Cleaning Services, LLC.	271.00	Clean the house - Inv#1149



Daily Costs

Report Start: 5/10/2022 06:00

Report End: 5/11/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft)	KB-Ground Distance (ft)
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Daily Costs			
Cost Des	Vendor	Field Est (Cost)	Note
IDC CONTRACT LABOR	BOP RAM BLOCK & IRON RENTALS, INC.	1,625.00	Remove the quick connect and install adapter for antenna for EM tool on the 1H
IDC FUEL & POWER	INDUSTRIAL OILS, INC	30,592.00	Received 6940 gal. diesel

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date

5/11/2022 06:00 - 5/12/2022 06:00

Operations at Report Time Changing out Kelly Hose	Operations Next Report Period Continue changing out kelly hose. Trouble shoot psi increase. Drill the lateral as per plan 2 to TD aprox. to 20,281'.
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Operations Summary

Drilled from 16,645' to 17,159'. Had trouble breaking out of last stand of drill pipe and found a large crack in the tube that supports the grabber on top drive. Circulated until parts arrived from Midland. Pulled back one stand and change out the top drive part. (3.75hrs NPT). Continue drilling lateral f/17,159' - 18,484' slide as needed. Circulate and Trouble shoot 750psi increase. Pull up 95' and rack back stand. C/O Kelly Hose, Kelly hose has wash out.

Daily Time Log


Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	0.75	0.75	06:45	DRILL ROTATING	Rotate f/ 16,645' - 16,756' (111' @ 148 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
06:45	0.25	1.00	07:00	DRILL SLIDING	Slide f/ 16,756' - 16,771' (15' @ 60 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 180
07:00	1.75	2.75	08:45	DRILL ROTATING	Rotate f/ 16,771' - 16,987' (216' @ 123 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
08:45	0.50	3.25	09:15	DRILL SLIDING	Slide f/ 16,987' - 16,994' (7' @ 14 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 180
09:15	0.50	3.75	09:45	DRILL ROTATING	Rotate f/ 16,994' - 17,065' (71' @ 142 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 35K // Rpm - 65 // TQ - 24K
09:45	0.75	4.50	10:30	OTHER	Tight connection. Open grabber door and break out saver sub with rig tongs. Close grabber door and return to drilling.
10:30	0.75	5.25	11:15	DRILL ROTATING	Rotate f/ 17,065' - 17,160' (296' @ 132 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25K
11:15	3.75	9.00	15:00	REPAIR RIG	Circulate and condition while waiting on parts after discovering a large crack in the torque tube for the top drive grabber. Replace cracked torque tube.
15:00	3.00	12.00	18:00	DRILL ROTATING	Rotate f/ 17,160' - 17,449' (289' @ 96.3 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25K
18:00	0.50	12.50	18:30	DRILL SLIDING	Slide f/ 17,449' - 17,464' (15' @ 30 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 90L
18:30	5.25	17.75	23:45	DRILL ROTATING	Rotate f/ 17,464' - 18,000' (536' @ 102 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25K
23:45	0.50	18.25	00:15	DRILL SLIDING	Slide f/ 18,000' - 18,013' (13' @ 23 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - HS
00:15	4.50	22.75	04:45	DRILL ROTATING	Rotate f/ 18,000' - 18,484' (471' @ 104 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
04:45	0.50	23.25	05:15	COND MUD & CIRC	Circulate and Trouble shoot Stand pipe 750 psi increase. Pump 30bbl sweep
05:15	0.75	24.00	06:00	REPAIR RIG	Rack back a stand, Circulate with pup in sub. Change out Kelly Hose for wash out

Daily Mud Checks

Time 03:30	Type Water Base	Depth (ftKB) 16,759.0	Density (lb/gal) 9.00	Funnel Viscosity (s/qt) 35	PV Calc (cP) 4.0	YP Calc (lb/100ft²) 6.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 2.000	Gel 30 min (lb/100ft²) 3.000	Filtrate (mL/30min) 3.000	Filter Cake (1/32") pH 9.5	Solids (%) 6.0	
MBT (lb/bbl) 4.0	Percent Oil (%) 4.0	Percent Water (%) 90.0	Chlorides (mg/L) 4,500.000	Calcium (mg/L) 160.000	Potassium (mg/L)	Electric Stab (V)



Drill Strings

BHA #5, Lateral 2

Bit Run 4	Size (in) 8 1/2	Make REED/NOV	Model TKC66	Serial Number A289491	
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String Length (ft)
18,484.89

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	16,439.50		
Agitator	33.15		

AFE Number 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 63,107.00	Cum To Date (Cost) 2,072,715.08
Start Depth (ftKB) 16,645.0	End Depth (ftKB) 18,484.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs









Burton, 10

Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Well Name: University 8-9 N 5LS

Drill String Components						
Item Des		Len (ft)	Icon	Com		
Drill Pipe		1,904.22				
XO Sub		4.03				
Filter sub		4.57				
NMDC		31.15				
EVO NM Collar		17.12				
Pony		13.60				
Stabilizer		4.76				
Mud Motor		31.79		NOV ERT 7/8 5.7 .23 RPG		
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	16,645.0	18,484.0	2,449.00	18.25	24.75	100.8

Daily Costs

Report Start: 5/11/2022 06:00

Report End: 5/12/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/11/2022 06:00	Report End Date 5/12/2022 06:00	Daily Field Est Total (Cost) 63,107.00	Cum Field Est To Date (Cost) 2,072,715.08	Field / AFE % (%) 61.7
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 moke per house - \$450 moke or gen and \$350 moke for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	11,162.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	8,042.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.

Well Name: University 8-9 N 5LS

Depth Progress: 917.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date

5/12/2022 06:00 - 5/13/2022 06:00

Operations at Report Time Drilling lateral section to TD of 20,386'	Operations Next Report Period Continue to Drill the lateral as per plan 2 to TD of 20,386'.
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Operations Summary
Continue changing out kelly hose. Drill the lateral f/18,484' - 18,497'. H2S alarm sounded, shut in well and muster up. All clear, faulty sensor. Drill lateral f/18,497' - 19,401' (slide as needed)

Daily Time Log


Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	5.25	5.25	11:15	REPAIR RIG	Circulate throgh head pin until replacement kelly hose arrived on location. Replace kelly hose and test same.
11:15	0.75	6.00	12:00	REAMING	Wash and ream to bottom with stand watching kelly hose clearance while hoisting and lowering blocks. No hole issues.
12:00	0.75	6.75	12:45	DRILL SLIDING	Slide f/ 18,484' - 18,497' (13' @ 23 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - HS
12:45	1.50	8.25	14:15	OTHER	H2S alarm sounded. Secured well and mustered crews. Called Midland Safety to give all clear and replace faulty sensor.
14:15	1.00	9.25	15:15	DRILL ROTATING	Rotate f/ 18,497' - 18,582' (85' @ 113 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
15:15	0.50	9.75	15:45	LUBRICATE & SERVICE RIG	Rig Service- Service Gen Air filters
15:45	1.75	11.50	17:30	DRILL ROTATING	Rotate f/ 18,582' - 18,676' (94' @ 54.5 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
17:30	0.50	12.00	18:00	DRILL SLIDING	Slide f/ 18,676' - 18,683' (7' @ 17 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 150L
18:00	1.00	13.00	19:00	DRILL ROTATING	Rotate f/ 18,683' - 18,780' (97' @ 97 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
19:00	2.50	15.50	21:30	DRILL SLIDING	Slide f/ 18,780' - 18,810' (30' @ 12 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 170L
21:30	2.75	18.25	00:15	DRILL ROTATING	Rotate f/ 18,810' - 19,030' (220' @ 80 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
00:15	1.50	19.75	01:45	DRILL SLIDING	Slide f/ 18,930' - 19,050' (20' @ 14 ft/hr) Gpm - 685 // P.Psi - 3150 // Diff - 250 // Wob - 35K // GTF - 170L
01:45	0.25	20.00	02:00	DRILL ROTATING	Rotate f/ 19,050' - 19,053' (3' @ 13.3 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K
02:00	0.50	20.50	02:30	REPAIR RIG	Open door on Top Drive and use rig tongs to break out DP out of saver sub
02:30	3.50	24.00	06:00	DRILL ROTATING	Rotate f/ 19,053' - 19,401' (348' @ 100 ft/hr) Gpm - 685 // P.Psi - 3350 // Diff - 400 // Wob - 32K // Rpm - 65 // TQ - 25-29K

Daily Mud Checks

Time 03:30	Type Water Base	Depth (ftKB) 19,195.0	Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 34	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 2.000	Gel 30 min (lb/100ft²) 3.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 9.5	Solids (%) 6.0
MBT (lb/bbl)	Percent Oil (%) 4.0	Percent Water (%) 90.0	Chlorides (mg/L) 6,000.000	Calcium (mg/L) 320.000	Potassium (mg/L)	Electric Stab (V)







Drill Strings

BHA #5, Lateral 2

Bit Run 4	Size (in) 8 1/2	Make REED/NOV	Model TKC66	Serial Number A289491	
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String Length (ft)
19,401.89

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	17,356.50		
Agitator	33.15		
Drill Pipe	1,904.22		
XO Sub	4.03		
Filter sub	4.57		
NMDC	31.15		

AFE Number 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 63,107.00	Cum To Date (Cost) 2,135,822.08
Start Depth (ftKB) 18,484.0	End Depth (ftKB) 19,401.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10





Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Well Name: University 8-9 N 5LS

Depth Progress: 917.00

Drill String Components			
Item Des	Len (ft)	Icon	Com
EVO NM Collar	17.12		
Pony	13.60		
Stabilizer	4.76		
Mud Motor	31.79		NOV ERT 7/8 5.7 .23 RPG

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	18,484.0	19,401.0	3,366.00	15.25	40.00	60.1

Daily Costs

Report Start: 5/12/2022 06:00

Report End: 5/13/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/12/2022 06:00	Report End Date 5/13/2022 06:00	Daily Field Est Total (Cost) 63,107.00	Cum Field Est To Date (Cost) 2,135,822.08	Field / AFE % (%) 63.6
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	11,162.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	8,042.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.

Well Name: University 8-9 N 5LS

Depth Progress: 0.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date

5/14/2022 06:00 - 5/15/2022 06:00

Operations at Report Time Running 5 1/2" Production Casing	Operations Next Report Period Continue running 5 1/2" Production Casing
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Operations Summary
Trip out laying down drill pipe from 16,000' to 13,664'. H&P Safety Stand Down. Topics: Review JSAs, Stop the Job, and hydration in the heat. Trip out laying down drill pipe from 13,664' to 5,935'. Rig Service. Trip out laying down drill pipe from 5,935' to 4,295'. Safety Stand Down. Trip out laying down drill pipe from 4,295' to 2,050' . Pull Rotating Head and strip off, Install Trip Nipple. Break XO's and laydown agitator/Pull Rot. head. Continue Laying down drill pipe to BHA. TIH with 5 stands in Derrick and laydown. L/D Dir BHA, Drain motor and break bit. Pull wear bushing/Dry run landing joint. Rig up Casing equip./Torque turn. Hold safety Mtg.

Daily Time Log


Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	2.50	2.50	08:30	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 16,000' to 13,664'
08:30	0.25	2.75	08:45	OTHER	H&P Safety Stand Down. Topics: Review JSAs, Stop the Job, and hydration in the heat.
08:45	8.00	10.75	16:45	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 13,664' to 5935'
16:45	0.50	11.25	17:15	LUBRICATE & SERVICE RIG	Service PDS
17:15	1.50	12.75	18:45	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 5,935' to 4,295'
18:45	0.50	13.25	19:15	OTHER	H&P Safety Stand Down. Topics: Review JSAs, Stop the Job, and hydration in the heat.
19:15	2.50	15.75	21:45	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 4,295' to 2,050' .
21:45	0.50	16.25	22:15	OTHER	Break XO's and laydown agitator
22:15	0.50	16.75	22:45	OTHER	Pull Rotating Head and strip off, Install Trip Nipple
22:45	1.50	18.25	00:15	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 2,050' to 108' / BHA
00:15	0.25	18.50	00:30	TRIPS	Trip in the hole with 5 stands in Derrick
00:30	0.75	19.25	01:15	PU AND LD DRILL PIPE, CHANGEOUT BHA	Trip out laying down drill pipe from 600' to 108' / BHA
01:15	1.25	20.50	02:30	DIRECTIONAL WORK	Laydown Directional BHA, Break XO and Filter Sub. Pull MWD Tool. Drain Motor and Break bit
02:30	0.50	21.00	03:00	OTHER	Pull wear bushing
03:00	0.50	21.50	03:30	OTHER	Rig up Casing Bails and elevators
03:30	0.50	22.00	04:00	OTHER	Dry Run landing joint and mark
04:00	1.00	23.00	05:00	RUN CASING & CEMENT	Rig up casing crew/equipment. Hold pre job safety Mtg. Test Torque turn
05:00	0.50	23.50	05:30	RUN CASING & CEMENT	Make up Shoe track/Toe Sleeve
05:30	0.50	24.00	06:00	RUN CASING & CEMENT	Run 5 1/2" Production Casing F/143' - 500'

Daily Mud Checks

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	Potassium (mg/L)	Electric Stab (V)



Drill Strings

BHA #5, Lateral 2

Bit Run 4	Size (in) 8 1/2	Make REED/NOV	Model TKC66	Serial Number A289491	
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String Length (ft)
20,366.39

Drill String Components

Item Des	Len (ft)	Icon	Com
Drill Pipe	18,321.00		
Agitator	33.15		

AFE Number 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 61,100.00	Cum To Date (Cost) 2,289,983.08
Start Depth (ftKB) 20,366.0	End Depth (ftKB) 20,366.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10









Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Well Name: University 8-9 N 5LS

Depth Progress: 0.00

Drill String Components						
Item Des		Len (ft)	Icon	Com		
Drill Pipe		1,904.22				
XO Sub		4.03				
Filter sub		4.57				
NMDC		31.15				
EVO NM Collar		17.12				
Pony		13.60				
Stabilizer		4.76				
Mud Motor		31.79		NOV ERT 7/8 5.7 .23 RPG		
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	20,366.0	20,366.0	4,331.00		52.25	

Daily Costs

Report Start: 5/14/2022 06:00

Report End: 5/15/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/14/2022 06:00	Report End Date 5/15/2022 06:00	Daily Field Est Total (Cost) 61,100.00	Cum Field Est To Date (Cost) 2,289,983.08	Field / AFE % (%) 68.2
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	8,765.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	8,432.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	4,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.

Well Name: University 8-9 N 5LS

Depth Progress: 0.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date
5/15/2022 06:00 - 5/16/2022 06:00	
Operations at Report Time Cementing Production	Operations Next Report Period Continue cement and displace. Land/Bump plug. R/D cmenters. Pull landing joint, set pack off and test. Nipple Down and R/D and walk rig to the WC 8H

Operations Summary
Run 5 1/2" 20# P110 Production Casing f/500' - 20,366'. Land casing mandrel out in well head. Verify with J&W well head tech. R/U cement head and vent line. Pressure up and burst airlock sub with 2,910psi. Purge air from pipe with 3300 strks @ 4bbm. Once all air is out. Circulate 2 x casing cap. (11,700 strks). R/U Cementers and Hold pre job safety Mtg. Cement Production

Daily Time Log

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	8.75	8.75	14:45	RUN CASING & CEMENT	Run 5 1/2" production casing from 500' to 10,147.
14:45	0.50	9.25	15:15	OTHER	Swap out power tongs.
15:15	9.50	18.75	00:45	RUN CASING & CEMENT	Run 5 1/2" production casing from 10,147' - 20,366'. Land casing mandrel out in well head. Verify with J&W well head tech
00:45	0.50	19.25	01:15	RUN CASING & CEMENT	R/U cement head and vent line.
01:15	1.25	20.50	02:30	OTHER	Pressure up and burst airlock sub with 2,910psi. Purge air from pipe with 3300 strks @ 4bbm.
02:30	1.75	22.25	04:15	COND MUD & CIRC	Circulate 2 x casing cap. (11,700 strks). Hold pre job safety Mtg with Cementers, Innovex Tool hand and rig crew.
04:15	0.25	22.50	04:30	RUN CASING & CEMENT	Hold pre job safety Mtg with Cementers, Innovex Tool hand and rig crew. Rig up cement equip
04:30	1.50	24.00	06:00	RUN CASING & CEMENT	Test lines to 8000psi. Pump 60bbl Tuned Spacer @ 9lbs. Pump lead 395.7bbls/880sx @ 11lbs/2.52yld at 7bpm

Daily Mud Checks

Time 03:03	Type Water Base	Depth (ftKB) 20,366.0	Density (lb/gal) 8.90	Funnel Viscosity (s/qt) 33	PV Calc (cP) 2.0	YP Calc (lbf/100ft²) 5.000
Gel 10 sec (lbf/100ft²) 2.000	Gel 10 min (lbf/100ft²) 2.000	Gel 30 min (lbf/100ft²) 4.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 9.0	Solids (%) 6.0
MBT (lb/bbl) 4.0	Percent Oil (%) 90.0	Percent Water (%) 90.0	Chlorides (mg/L) 6,000.000	Calcium (mg/L) 120.000	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 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 690,709.00	Cum To Date (Cost) 2,980,692.08
Start Depth (ftKB) 20,366.0	End Depth (ftKB) 20,366.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10

Contractor Burton	Rig # 10	Start Date 1/8/2022	RR Date 1/10/2022
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Helmerich & Payne Drilling, 460

Contractor Helmerich & Payne Drilling	Rig # 460	Start Date 3/23/2022	RR Date 3/28/2022
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Daily Costs

Report Start: 5/15/2022 06:00

Report End: 5/16/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/15/2022 06:00	Report End Date 5/16/2022 06:00	Daily Field Est Total (Cost) 690,709.00	Cum Field Est To Date (Cost) 2,980,692.08	Field / AFE % (%) 88.7
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 moke per house - \$450 moke or gen and \$350 moke for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	1,164.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	4,500.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.
TDC PRODUCTION CASING	UNITED CASING INC	615,929.00	475 joints 5.5" 20# P110 production



Daily Costs

Report Start: 5/15/2022 06:00

Report End: 5/16/2022 06:00

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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Daily Costs			
Cost Des	Vendor	Field Est (Cost)	Note
IDC CASING CREWS & SERVICE	BYRD OILFIELD SERVICES,LLC	11,550.00	Casing Crew for Production
IDC CASING CREWS & SERVICE	BYRD OILFIELD SERVICES,LLC	6,150.00	CRT Standby cost for Production
IDC CONTRACT LABOR	TROJAN TUBULAR SERVICES,LCC	4,950.00	Torque Turn services
IDC CONTRACT LABOR	TUBULAR SOLUTIONS INC	4,563.00	Thread Rep Services

Well Name: University 8-9 N 5LS

Depth Progress: 0.00

API/UWI 42-003-48485-00-00	State/Province Texas
Spud Date 1/8/2022 16:00	Rig Release Date
5/16/2022 06:00 - 5/16/2022 13:15	
Operations at Report Time	Operations Next Report Period

Operations Summary

Daily Time Log

Start Time	Dur (hr)	Cum Dur (hr)	End Time	Code 2	Com
06:00	3.25	3.25	09:15	RUN CASING & CEMENT	Continue pumping 5 1/2" production cement job. Pumped 2450 sx (639 bbls) 13.2 ppg, 1.465 yld, 7.15 gps tail, shut down, loaded plug in cement head, washed up to the reserve pit, kicked out plug ahead of displacement, pumped 20 bbls sugar water 8.4 ppg, 431 bbls FW to bump plug, full returns and no cement to surface. Bumped plug at 4 bpm with 2290 psi lift and bump pressure 3180 psi. Held 3 minutes and bled back 5 bbls to tank with floats holding. CIP @ 9:04 hours.
09:15	0.75	4.00	10:00	RUN CASING & CEMENT	Rig down and release cement equipment. Flush stack and flow line with sugar water. Lay out landing joint. Lay out bail extensions and 5 1/2" casing elevators. Install 5" DP elevators.
10:00	0.50	4.50	10:30	OTHER	Remove trip nipple from rotating head for head room to raise stack.
10:30	0.50	5.00	11:00	OTHER	Install pack off in B section. Secure same with LDS. Pressure 4500 psi and pull test 20K over as per J&W procedure.
11:00	1.25	6.25	12:15	NIPPLE UP/DOWN B.O.P	Nipple down stack and prepare for skid to WC8 well slot.
12:15	1.00	7.25	13:15	NIPPLE UP/DOWN B.O.P	Install night cap on 5H well, fill void with oil and test with 4500 psi. Confirmed by co-rep. Release rig for skid. 13:15 hours 5-16-2022.

Daily Mud Checks

Time	Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Calc (cP)	YP Calc (lbf/100ft²)
Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L)	Calcium (mg/L)	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
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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 22-DCD-9100	AFE+Supp Amt (Cost) 3,359,516.00
Daily Field Est Total (Cost) 187,377.00	Cum To Date (Cost) 3,168,069.08
Start Depth (ftKB) 20,366.0	End Depth (ftKB) 20,366.0
Target Formation Lower Spraberry	Target Depth (ftKB) 9,000.0
Last Casing String Intermediate, 8,807.0ftKB	

Daily Contacts

Job Contact	Mobile
Sandy Pulley, Drilling Consultant	907-317-8268
Shaun Savas, Drilling Consultant	210-392-0721

Rigs

Burton, 10

Contractor	Rig #	Start Date	RR Date
Burton	10	1/8/2022	1/10/2022

Helmerich & Payne Drilling, 460

Contractor	Rig #	Start Date	RR Date
Helmerich & Payne Drilling	460	3/23/2022	3/28/2022

Helmerich & Payne Drilling, 460

Contractor	Rig #	Start Date	RR Date
Helmerich & Payne Drilling	460	5/5/2022	5/16/2022

Daily Costs

Report Start: 5/16/2022 06:00

Report End: 5/16/2022 13:15

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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AFE Type
Drilling

Daily Summary

AFE Number 22-DCD-9100	Total AFE + Supp Amount (Cost) 3,359,516.00	Report Start Date 5/16/2022 06:00	Report End Date 5/16/2022 13:15	Daily Field Est Total (Cost) 187,377.00	Cum Field Est To Date (Cost) 3,168,069.08	Field / AFE % (%) 94.3
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Daily Costs

Cost Des	Vendor	Field Est (Cost)	Note
IDC SUPERVISION	EWS CONSULTING	4,200.00	Supervision and project management \$1800/day per consultant - \$600/day project management
IDC DRILLING RIG	Helmerich & Payne	24,500.00	Mobe Rate - 90% of full rate - \$24,500 (\$22,050)
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	25.00	Trash Trailer - \$25/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	30.00	Porta Potties - \$15/day ea (2)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	520.00	Housing (4 houses, 1 gen and 1 transformer)\$1150 mobe per house - \$450 mobe or gen and \$350 mobe for Transformer
IDC OTHER EQUIP RENTAL	PASON SYSTEMS USA CORP	638.00	Workstations and equipement daily rental
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	120.00	Internet/printer/cell boosters
IDC OTHER EQUIP RENTAL	MIDLAND SAFETY & HEALTH INC SALES & SERVICE	65.00	H2S Equipment \$65 /dayRig up \$75 + Mileage at \$1.90/mile
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	325.00	Premix daily cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	275.00	Frac Tank (5) mud tanks (\$35 ea.) - (4) F.W. Tanks (\$25 ea.)
IDC OTHER EQUIP RENTAL	STELLAR OILFIELD RENTALS, LLC	195.00	Generator
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	285.00	Light Towers 1 @ \$40/day - Diesel tank @ \$25/day - Reserve float - \$25/day Connex - \$95/day Crown Lights - @ \$200/day
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	455.00	Trash Pumps (1- 8x6 @ \$85/day) (2 - 6x6 @ \$80/day ea.) (3-4x4 @ \$70/day ea.) Added 1 more 4x4, needed to circulate the reserve, 3-20-22
IDC OTHER EQUIP RENTAL	SONE ENERGY SERVICES, LLC	75.00	Rig Vac Daily rental - \$75 / day
IDC OTHER EQUIP RENTAL	DYNAMIC ENERGY SERVICES,LLC	2,805.00	Daily Cost \$2805 / day for hands and equipment - Rate increase
IDC MUD & CHEMICALS	Buckeye Drilling Fluids	1,164.00	Mud Daily cost
IDC OTHER EQUIP RENTAL	Black Diamond	100.00	In-Line filter screen daily cost - \$100/day
IDC OTHER EQUIP RENTAL	BOP RAM BLOCK & IRON RENTALS, INC.	175.00	Flare line, drive over and ignitor
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	105.00	Rotating Head daily cost
IDC DIRECTIONAL DRILLING	High performance	4,500.00	Directional Daily Cost
IDC OTHER EQUIP RENTAL	BLUE ENERGY SERVICES LLC	200.00	2nd forklift rental - \$200/day. Today's cost is to catch up daily cost for the rental. Received to help thrid party while rig forklift is in use. Also to assist in offline cementing. Rig forklift is busy while trying to rig up off line cementing
IDC DRILL STRING RENTAL	Workstring International	4,110.00	XT50 Rental Pipe for 667 joints and all subs\$4110.23 per day
IDC DIRECTIONAL DRILLING	PHOENIX DIRECTIONAL SERVICES	2,500.00	MWD daily cost
IDC OTHER EQUIP RENTAL	ADS SERVICES, LLC	200.00	Orbit Valve daily cost. - \$125 day for valve - \$75/day for air actuating panel.
IDC BITS	REED	11,908.00	8 1/2" Reed TKC66-AT1 s/n A289491



Daily Costs

Report Start: 5/16/2022 06:00

Report End: 5/16/2022 13:15

Well Name: University 8-9 N 5LS

API/UWI 42-003-48485-00-00	Pad Name University 8-9 West_6WP	Field Name Spraberry (Trend Area)	Spud Date 1/8/2022 16:00	Well Configuration Type Horizontal	Ground Elevation (ft) 3,008.00	KB-Ground Distance (ft) 26.00
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Daily Costs			
Cost Des	Vendor	Field Est (Cost)	Note
IDC BITS	REED	11,908.00	8 1/2" Reed TKC66-AD2 s/n A269938
IDC CEMENT & CEMENT SERVICES	INNOVEX DOWNHOLE SOLUTIONS, INC.	5,600.00	Plug hand for toe sleeve
IDC CEMENT & CEMENT SERVICES	INNOVEX DOWNHOLE SOLUTIONS, INC.	28,930.00	Cementing jewelry for 5 1/2" production casing
IDC CEMENT & CEMENT SERVICES	HALLIBURTON ENERGY SERVICES INC	78,766.00	Cement and pumping services
TDC LINERS & HANGERS	J&W SERVICES AND EQUIPMENT COMPANY, INC	2,698.00	Tech for pack off and testing