



VIDA BEM

IDS 2,000 HP AC DRILLING RIG



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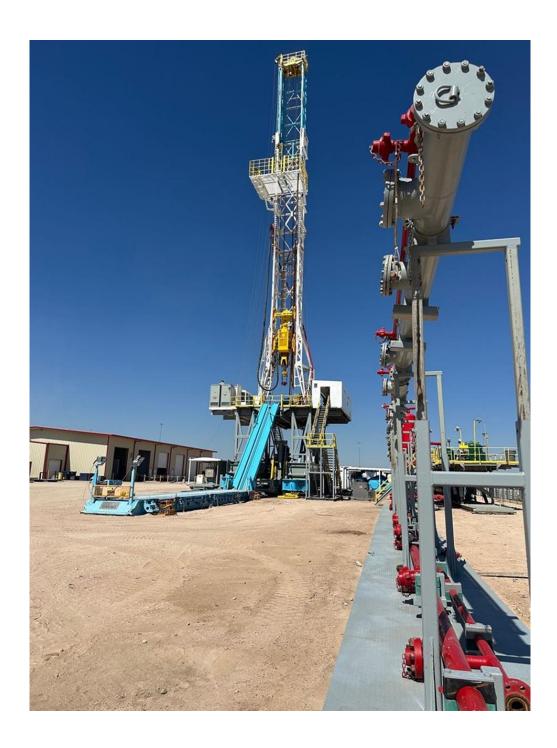
This equipment package is subject to a mutually agreed definitive agreement between our companies, and while the intent is to eventually negotiate and execute the same at a later date, it is expressly understood that this is an equipment description document only and no liability or obligation of any nature whatsoever is intended to be created hereunder.

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HISTORY:

• This rig package has been completely recertified and is ready to work today.





2000 AC Electric Drilling Rig Specifications

MAST: Gemini 142' Telescoping Mast w/ 850,000# hook load, 30,000ft racking capacity w/ 5in DP & 25,000ft w/ 5.5in DP. Top Drive & Block Transport in the mast; Raises and lowers using newly re-manufactured hydraulic cylinders. Structural work and 10-year Cat IV inspection completed by Oil Works Inc. a 4F API Licensed Facility

DRAWWORKS: IDS AC 2000hp w/ 1-3/8" Tuf-Flex DLX compacted drilling line- capable of 680,000# pull on 8 line; New Drill Max 2300hp AC motor w/ whisper clean blower system. Cat IV inspection with New Wichita 436 Air Max Brake

ENGINES/GENERATOR: Four (4) Caterpillar 3512C diesel engines each rated at 1476HP; Engines unitized with 1365kW generators; Includes 12,000-gallon fuel tank

SUBSTRUCTURE: Gemini 28.5' Substructure w/ 24' clear working height, 850,000# rotary load & 750,000# setback load; utilizes a 6' tall x 8' wide x 50' long pony sub, primary sub raises and lowers using newly remanufactured hydraulic cylinders. Structural work and 10-year CAT IV completed by Oil Works Inc.

ROTARY: Newly Re-manufactured TFI 37-1/2in rotary table independently driven by (1) hydraulic Hagglund motor

TOP DRIVE: GDS GDM-500Ton, New CAT IV OEM rebuild- integrated hydraulic IBOP

TRAVELING BLOCK: One (1) 500-ton, 6 sheave block w/ 12 line string-up; New CAT IV rebuild

DRILLER CONTROLS: New Schlumberger Precise Fit electronic driller, Cyber Chair control system and VFD House; AC drives regulation for Drawworks, Mud Pumps & Top Drive, integrated with PLC technology; 4160V power distribution Reel Rig System. 3000KVA Transformer.

BOP: Fully Re-manufacture CAT IV re-certification

One (1) Cameron Type U 13-5/8" 10M Single

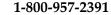
One (1) Cameron Type U 13-5/8" Double

One (1) Cameron Type U 13-5/8" 5M t-90 Annular

One (1) Mud Cross

One (1) 4-1/16 10M HCR & Manual Choke,

Two (2) 2-1/16 10M manual choke valves & 10M check valve





CHOKE MANIFOLD: Fully re-manufactured CAT IV 4-1/16" 10M choke manifold, hard line wall thickness inspection, 6in buffer tank

ACCUMULATOR: Fully re-manufactured CAT IV re-certification R&T Controls 6-Station accumulator w/ PLC & HMI touchscreen remote

MUD PUMPS: Three (3) 1600hp Triplex AC pumps w/ 7500 psi working system pressure. Full inspection reports on gear end and seat deck inspections & NDE inspections performed on fluid ends. New pony rods, piston rods, and liner washer system.

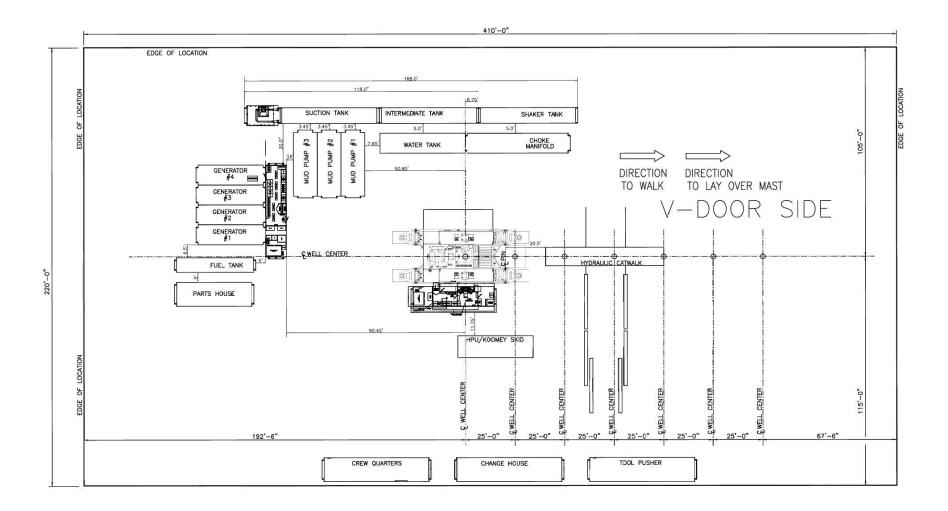
MUD SYSTEM: 850 BBL total active capacity; Two (2) covered 425 BBL tanks w/ round bottom and electric agitators for optimum mixing/blending and ease of clean out; Each tank contains two (2) 5x6x14 75hp centrifugal pumps; Hopper is remote for ease of use with bulk tanks; three (3) derrick Hyperpool shakers and one (1) Derrick Vacu-Flo 1200 degasser, fully inspected by OEM and are utilized on a hydraulically raised mud processing skid; A separate skid incorporates one (1) 100bbl total trip tank split to 50bbl systems w/ 2x3x12 40hp centrifugal pump; One (1) 48" 1200gpm Mud/Gas separator. All motors passing electrical inspection, all new centrifugal pumps, all valves new and all rubber goods replaced on entire mud system. New hopper assemblies from Process solutions International.

AUXILLARY EQUIPMENT

- -New Oil Works Upgraded walking system X&Y axis capable 300ton/foot rating-remote system operated
- -Upgraded rebuild Canrig 3000 hydraulic catwalk w/ independent walking capability upgraded for 28-32ft floor height
- -New FR-100/120 compact Hydraulic Pipe Wrench
- -Rig Manager, Crew Quarters & Meeting/Change House w/HVAC and 480/240 transformer
- -Full Camera and intercom system 9 cameras: 2 in mast, 1 on catwalk, 3 for pit area and BOP and 1 over each mud pump. Wireless rig manager monitor system.
- -409 BBL, water tank complete with porch extension containing two (2) modular 2x3x12 40hp centrifugal pumps
- -Motorized Drill Line Spool
- -Full Sala Fall protection system throughout rig with newly certified components
- -Two (2) Braden PD-12 Floor winches certified for man-rider use
- -One (1) PD-4 Boom Winch



WELL LOCATION PLOT





2000 HP DRILLING RIG (TOTAL LOADS ESTIMATE)

The weight and dimension information provided are believed to be accurate estimates of each load.

			DIMENSIONS		
LOAD #	LOAD DESCRIPTION	WEIGHT LBS	LENGTH	WIDTH	HEIGH
		F0 F00	(ft)	(ft)	(ft)
1	GENERATOR SKID	58,500	LEGAL	10'	12'
2	GENERATOR SKID	58,500	LEGAL	10'	12'
3	GENERATOR SKID	58,500	LEGAL	10'	12'
4	GENERATOR SKID	58,500	LEGAL	10'	12'
5	MUD PUMP	115,000	LEGAL	12'	12'6"
6	MUD PUMP	115,000	LEGAL	12'	12'6"
7	MUD PUMP	115,000	LEGAL	12'	12'6"
8	MUD TANK	77,500	LEGAL	12'	11'9"
9	MUD TANK	77,500	LEGAL	12'	11'9"
10	DRAWWORKS	100,000	LEGAL	13'10"	9'
11	WATER TANK	22,820	LEGAL	10'	11'6"
12	SCR HOUSE	97,660	LEGAL	12'	11'4"
13	TOOL HOUSE	58,660	LEGAL	12'	10'10"
14	DRILLERS CABIN	26,000	LEGAL	10'	9'10"
15	PUSHERS HOUSE	73,750	LEGAL	12'6"	10'8"
16	CREW HOUSE	73,500	LEGAL	14'3"	11'2"
17	MANIFOLD SKID	62,300	LEGAL	11'6"	11'2"
18	HYDRAULIC UNIT	77,450	LEGAL	12'	12'
19	DRILLERS SIDE SUBSTRUCTURE	102,100	LEGAL	8'5"	8'6"
20	ODS SUBSTRUCTURE	88,740	LEGAL	8'5"	8'6"
21	PAYNE UNIT/JUNK BOX	75,000	LEGAL	13'1"	11'4"
22	SHAKER SKID	75,000	LEGAL	14'	11'4"
23	FUEL TANK	37,500	LEGAL	11'	10'4"
24	MCC SKID	22,870	LEGAL	10'5"	12'
25	CENTER SUB	87,420	LEGAL	14'	11'11"
26	WALKING BEAM	40,000	LEGAL	7'	10'
27	WALKING FRAME & FOOT (2)	15,000 lbs EACH	LEGAL	10'	8'6"
28	MAST CROWN	135,000	LEGAL	13'11"	16'
29	MAST BOTTOM SECTION	137,000	LEGAL	13'11"	16'





RIG INVENTORY

Equipment	Description		Certification Year	Notes
Mast	Manufacture	GEMINI 142'		10 Year CAT IV Complete
	Model	Telescoping		Raises and lowers using newly re-manufactured hydraulic cylinders
	Year			
	Height	142 feet		
	Racking Capacity	25,000 feet of 5.5" pipe	30,000 feet of 5"pipe	
	Rating	850,000 pounds		
Substructure	Manufacture	NOV		
	Year	2010		
	Height	25 feet		
	Clear Height	21 feet 6 inches		
	Rotary Load	750,000 pounds		Sub raises and lowers with hydraulic cylinders
	Setback Load	500,000 pounds		
Draw works	Manufacture	IDS		Cat IV inspection with new bearings
	Hours	25 hours since rebuild		New Wichita 436 Air Max Brake
	Model	AC 2000HP		
	Year			
	Motor	Drill Max 2300hp AC		New Motor
	Manufacture	_		
	Motor Model	GEQ		
	Motor Year			



	Horsepower	2300 HP		
	Drill Line	1-3/8 inch		Tuf-Flex DLX compacted drilling line
Top Drive	Manufacture	GDS		New CAT IV OEM rebuild
	Hours	25 Hours		
	Model	GDM 500		
	Year			
	Rating	500 Ton		
	Motor Manufacture	GE B20		
	Motor HP	1200		AC Motor
Top Drive VFD	Manufacture	Omron		
	Year			
Generators	Quantity	4		Includes 12,000-gallon fuel tank
	Engine 1 HRS	20,729		
	Engine 2 HRS	20,640		
	Engine 3 HRS	28,646		
	Engine 4 HRS	23,832	BEW	
	Engine	Caterpillar		
	Manufacture			
	Engine Model	3512		
	Engine Year			
	Horsepower	1476 each		w/Air Start
	kW	1375 each		
	kVa			
	Fuel	Diesel		



	KATO		
	AA27647015		
Model			
Generator			
Year			
Quantity	3		
MP 1 HRS	10,599		Rebuilt
MP 2 HRS	6,473		Rebuilt
MP 3 HRS	10,637		
Pump	ВОМСО		
Manufacture			
Pump Model	F-1600 Triplex		
Pump Year			
Fluid End			
Motor	GE Drilling Drives		
Manufacture			
Motor Model	GEB 29-A1		AC Traction Motor
Motor Year	2009		
Motor Volts	577 each		
Motor Amps	1375 each		
Horsepower	1500 each		
Quantity	2		Round bottom tanks
Volume	425 bbl. each		
Dimensions	12' x 53'		
Agitators	Seven (7) Total		
Gun Lines	None (Round bottom		
	tanks)		
Ports	Five (5) discharge		
	Year Quantity MP 1 HRS MP 2 HRS MP 3 HRS Pump Manufacture Pump Model Pump Year Fluid End Motor Manufacture Motor Model Motor Year Motor Volts Motor Amps Horsepower Quantity Volume Dimensions Agitators Gun Lines	Manufacture Generator Model Generator Year Quantity 3 MP 1 HRS 10,599 MP 2 HRS 6,473 MP 3 HRS 10,637 Pump BOMCO Manufacture Pump Model Pump Year Fluid End Motor Motor GE Drilling Drives Manufacture Motor Model GEB 29-A1 Motor Year Motor Year Motor Amps Horsepower 1500 each Quantity 2 Volume 425 bbl. each Dimensions Gun Lines None (Round bottom tanks)	Manufacture Generator Model Generator Year Quantity 3 MP 1 HRS 10,599 MP 2 HRS 6,473 MP 3 HRS 10,637 Pump BOMCO Manufacture Pump Model Pump Year Fluid End Motor Motor GE Drilling Drives Manufacture Motor Model GEB 29-A1 Motor Year Motor Volts 577 each Motor Amps Horsepower 1500 each Quantity 2 Volume 425 bbl. each Dimensions L2' x 53' Agitators Gen Lines None (Round bottom tanks)



	Pump	2 each	
	Quantity		
	Pump Size	5x6x14	
	Pump Motor	75 HP	
Mud System	Shakers	Three (3) Derrick	
,		Hyperpool Shakers	
	Degasser	Derrick Vacu-Flo	
	Degasser	1200 GPM	
	Capacity		
	De-silter		
	Mud/Gas	One (1) 48"	1200 GPM
	Separator		
	Trip Tank	One (1) 100 bbl. with	
		2x3 40 HP pump	
Crown	Manufacture	NOV	
	Year		
Rotary Table	Manufacture	TFI ZP375	Re-manufactured
	Size	37-1/2"	
	Motor	Hagglund	
ВОР	Manufacture	CAMERON	
	Year	2014	
	Model	Cameron Type U 13-	Fully Re-manufacture
		5/8" 10M Single	CAT IV re-certification
		Cameron Type U 13-	Fully Re-manufacture
		5/8" Double	CAT IV re-certification
		Cameron Type U 13-	 Fully Re-manufacture
		5/8" 5M t-90 Annular	CAT IV re-certification
		One (1) NOV BOP	
		Handler	



	1 4 .	0 44 45		
Accumulator	Manufacture	Consolidated Pressure		Fully re-manufactured
		Control		CAT IV re-certification
	Year			
	Model	6 Station		
Choke Manifold	Manufacture	Orion	Fully re-manufactured CAT IV	
	Year			
	Model	4-1/16" 10K		
Iron Roughneck	Manufacture	FORUM		NEW
	Year	???		
	Model	FR 100/120		
	Size Range	4" to 8-1/2"		
	Make Up	80,000 ft-lbs		
	Torque			
	Break Out	100,000 ft-lbs		
	Torque			
Blocks	Manufacture	American Block	New CAT IV rebuild	6 sheave block w/ 12 line string-up
	Year	???		
	Model	500 Ton	BEM	
	Capacity	500 Ton		
Additional	75-foot walking	g system		
Equipment				
	New Oil Works	s Upgraded walking		
	system X&Y axis capable 300ton/foot			
	rating-remote system operated			
	Upgraded rebu	ild CANRIG 3000		
	hydraulic catwa	alk w/ independent		



H = RA	
	BEM



MAJOR COMPONENT HOURS

1. IDS DRAWWORKS, 2000-HP, (1) NEW GEQ DRILL MAX 2300HP AC TRACTION MOTOR W/

WHISPER QUIET BLOWER SYSTEM, 436 WICHITA AIR MAX BRAKE, S/N- IDS15005031, HOURS SINCE RE-BUILD/RECERT- <25HRS

2. (4) CATERPILLAR 3512 DIESEL ENGINES EACH RATED AT 1476-HP, W/ AIR START, SKID

MOUNT ENCLOSURES, W/ GENERATORS- (4) KATO ENGINEERING, MODEL AA27647015, WEG 1375-KW GENERATORS, UNITIZED, W/ ENGINES

ENGINE 1 S/N- LLA02740, HRS- 20,729

ENGINE 2 S/N- LLA02749, HRS- 20,640

ENGINE 3 S/N- LLA04822 HRS- 28,646

ENGINE 4 S/N- LLA04536, HRS- 23,832

3. (3) BOMCO, F-1600, TRIPLEX MUD PUMPS 7500 PSI, GEB-29 AC TRACTION MOTOR, 1500-HP, 6" CERAMIC LINERS, 6 X 5 X 14 CHARGING PUMP, 1 X 1.5C LINER WASHING PUMP.

MP 1 S/N- M02-2003, HRS/REBULD- 10,599

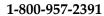
MP 2 S/N- SB06-046, HRS/REBUILD- 6,473

MP 3 S/N- 14-005, HRS- 10,637

4. GDM 500ton TOP DRIVE, LEVEL 4 RECERTIFICATION COMPLETED AUGUST 2023, 1200HP AC MOTOR, S/N #47 HRS- <25HRS









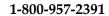


















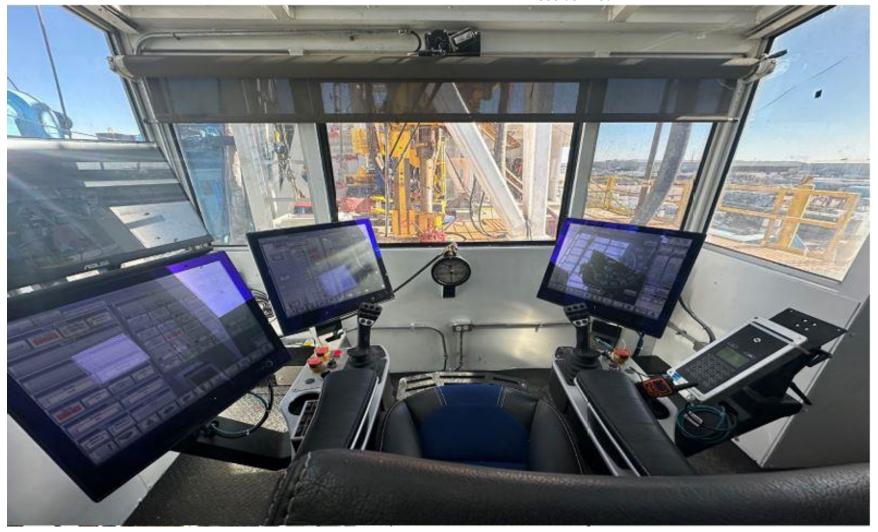






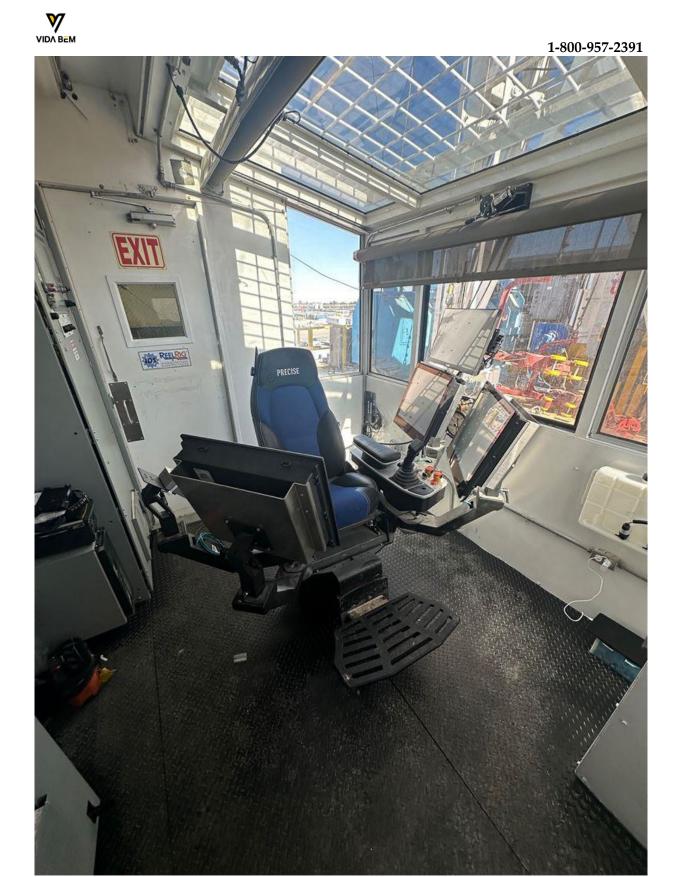


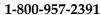






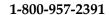






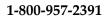










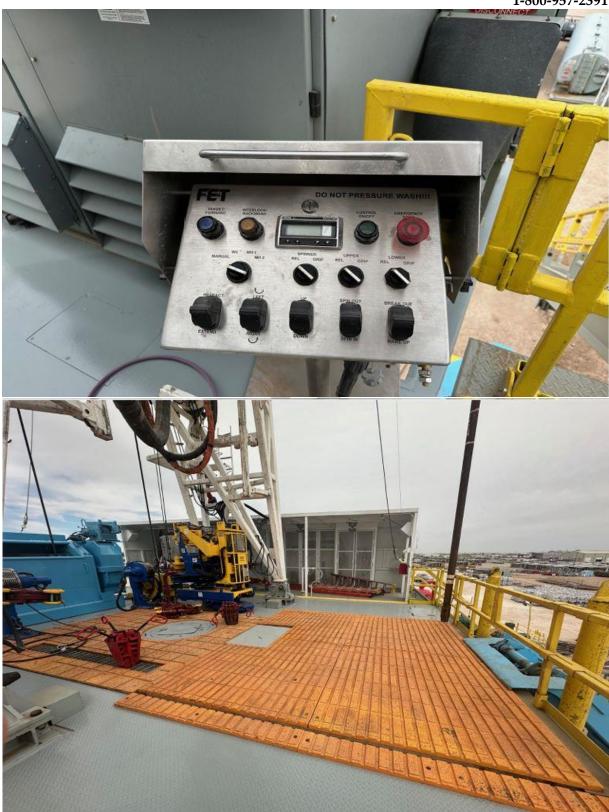


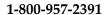
















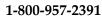
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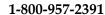








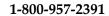






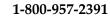


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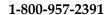
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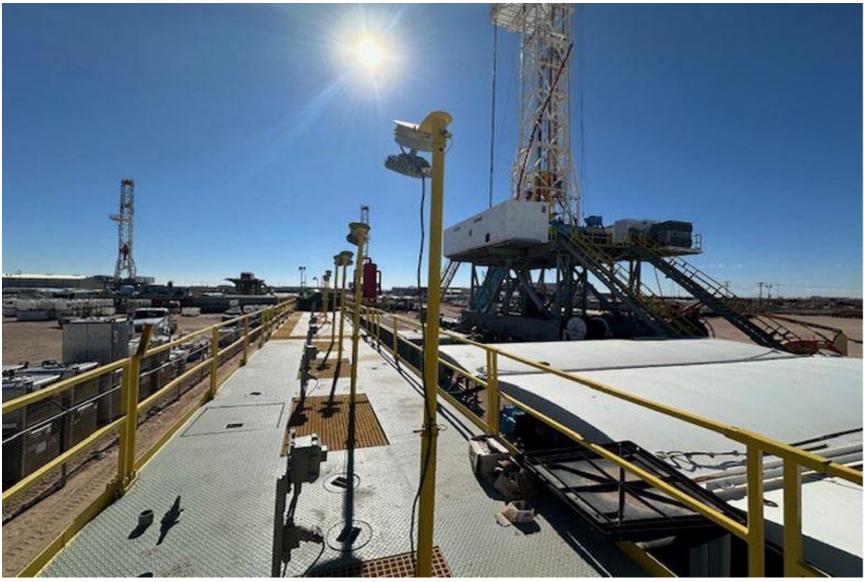


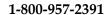






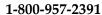
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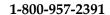


















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