



## The Quotation for ZJ90DB drilling rig

No	Name	Type	Technical description	Unit	Qty	Price(USD)	Remark
<b>一、Derrick equipment</b>							
1	Derrick	JJ675/48-KC	Maximum hook load: 6750kN, with the support feet of the mast on a low base, vertically lifted and lowered using a hydraulic winch installed section by section. The vertical capacity of the second floor platform is 5 "drill pipe, 9000 meters. The effective height of the wellhead is 48m, with an opening of 8m. The installation height of the second floor platform is 24.5m, 25.5m, and 26.5m. The main supporting contents include lifting tongs and pulleys, dead line stabilizers, step ladders (on both sides), elevators (on the right side), riser platforms, etc. It meets API Spec 4F PSL1.	set	1		
2	Dead line anchor	JZG72D	The maximum dead line tension is 720kN, including: 2 sets of weight indicators (1 set of external mounted, installed on the drilling platform; 1 set installed in the drilling room), pressure sensors, pipelines, and refueling pumps. Forged and welded structure, in accordance with API Spec 8C PSL1.	set	1		
3	Fast rope guide			set	1		
4	Overhead crane	TC-675	The size must allow for the installation of top drive, maximum hook load: 6750kN, number of main pulleys: 7, number of fast rope pulleys: 1, diameter of main pulleys and fast rope pulleys: $\Phi$ 1524mm, threading method is in a straight direction, equipped with 5 auxiliary pulleys (with safety ropes), overhead crane lifting frame, fence, and suspension installation of the traveling crane system; Equipped with anti-collision wood (with safety rope and protective net); Two types of top drive suspension ears (Beishi and VARCO) are reserved, and the pulleys are forged and welded. Complies with API Spec 4F/8C PSL1.	platform	1		
5	Lifting system		Including two hydraulic winches, one hydraulic operation box, two lifting pulley groups, two lifting ropes, hydraulic pipelines from the control box to the hydraulic winch, and hydraulic pipelines from the drilling room to the control box.	set	1		
6	Install the trolley			set	2		



7	Dead line stabilizer			set	1		
8	Outer windbreak wall of the second floor platform			set	1		
9	Climbing assistance mechanism	DTZL-01.00	Including steel wire rope assembly, balancer, rewinding pulley and other components.	set	1		
10	Fall protection device		The left and right sides of the overhead crane are equipped with wire rope anti fall devices, while the rest are differential devices.	set	7		
11	Escape device		Dual channel	set	2		
12	Anti-collision device		Top and bottom safety systems: 1. DW status indicator, displaying DW parameters such as current, torque, etc.,	set	1		
13	Mast packaging frame			set	1		
14	Automatic oiling device for pulleys		Satisfy the lubrication of all pulleys on the crown block, install the control device in the drilling room, and install the lubrication device on the crown block. Working voltage: 220VAC, pump oil output $\geq 3\text{ml/min}$ , oil tank capacity: $\geq 6\text{L}$ . Explosion proof connectors are used for cable connections installed on the wellhead. Equipped with lubricating oil injection pressure signal and reserved emergency oil injection port.	set	1		
15	Climbing device		Installed on the right side of the mast, including one manned winch and two sets of anti fall devices.	set	1		

**二、 Base equipment**



1	Base	DZ675/12-KC	Maximum hook load: 6750kN, standing platform load: 3600kN, the base is a box block structure, with a front working height of 12m and a rear working height of 2.5m. The turntable, drilling control room, drilling platform side room, drilling platform railing, and winch should be installed together with the base before installing the lifting mast. The backstage base is used to place the winch. There are two 1.5 square meter gas storage tanks located in the upper part behind the drilling platform, which are placed inside the base. The drill floor is equipped with one escape slide and three ladders, with the rear ladder leading to the winch. Equipped with small and large mouse holes and other accessories. The strength of the base meets the requirements of rail transportation and cluster drilling to avoid the wellhead of 1.8m. Add a control pipeline through hole from the well control room to the blowout preventer room on the left side of the base. Ladders, ramps, and slides are lifted using lifting ear plates instead of lifting pipes. Equipped with a complete towing lever and front and rear towing bars. Compliant with API Spec 4F PSL1	set	1		
2	Hydraulic station		Rated pressure of the system: 21MPa, rated flow rate: $2 \times 160\text{L}/\text{min}$ , 55kW dual pump.	set	1		
3	Hydraulic cat head for up and down fastening	YM-16	The pulling force is 160kN, and remote control is achieved on the drilling platform in the drilling room using electric hydraulic control method.	pic	2		
4	Drill pipe power pliers	ZQ203-125	Maximum torque $125\text{kN} \cdot \text{m}$ , with lifting device (travel 1.2m), without torque gauge. Only in ontology operation	set	1		
5	SDD type pliers		2 pliers, with a range of 4 "-17" and a maximum torque of $135\text{kN} \cdot \text{m}$ (including 5 types of pliers)	pic	1		
6	Electric small winch for carrying people and goods	DJB-50×35-R	Carrying 500kg of passengers and 5000kg of cargo, including a suspended basket with remote control.	platform	1		
7	Blowout preventer lifting device		120T, with installation and transportation bracket	set	1		



8	Drill floor right leaning room		External dimensions: 8.4m x 2.8m x 2.8m. The first room is a joint placement room (front of the drilling platform), equipped with one explosion-proof LED light (with emergency function) and three shelves. A 6mm thick steel plate fence is set up, with a height of 1200mm. The second room is a tool placement room, equipped with a dedicated explosion-proof distribution panel (with leakage protection and locking function), 2 explosion-proof LED lights (including 1 with emergency function), and an explosion-proof exhaust fan. Set up multiple shelves for placing positive pressure respirators. Two fire extinguishers and brackets. Install one set of seat belt hooks and one tool cabinet. The roof is equipped with a folding guardrail and a baseboard.	pic	1		
<b>三、 Transmission system equipment</b>							
1	Winch	JC90DB	Maximum input power of 2640KW, maximum fast rope tension of 640kN, steel wire rope diameter of 45mm, slotted drum, 2+2R gear stepless speed regulation. Composed of drum shaft, gearbox, winch frame, coupling, motor, etc. Braking: Energy consumption braking+hydraulic disc braking. The main motor drives the drill.	platform	1		
2	Winch drive motor	YSP5601-6	Rated power: 1100kW; Rated voltage: 600V; Rated speed: 660r/min. Maximum constant power speed 1320r/min, maximum speed 2400r/min	set	2		
3	Hook load limiting device		The load signal is taken out by the dead line anchor	set	1		
4	turntable	ZP375Z	Gearbox single speed or dual speed, rotating anti torque brake equipped with independent operating rod to prevent uncontrolled release of reverse torque or anti torque. Driller's forward and reverse torque are fully adjustable torque limit switches, locking pins, used to lock the square drill rod drive bushing to the main bushing.	platform	1		
5	Rotary table bushing, anti spray box, bushing lifting ring, anti slip pad, drill bit box		2-3/8"-8 5/8", 9-5/8"-10-3/4", 11-3/4"-13-3/8", 18-5/8" - 20", 30"	set	1		
6	Rotary drive device		Equipped with a gear reducer, with a rated input power of 800kW, a rated input torque of 10310N. m, and a maximum input speed of 1500r/min. Oil spray lubrication+splash lubrication, equipped with inertia brake, and connected by a universal joint between the motor and gearbox. The entire turntable drive device forms an independent installation and transportation unit	set	1		



7	Rotary table motor	800kW	Rated power: 800kW; Rated speed 771r/min; Rated torque: 10310N. m; Constant power maximum speed: 1485r/min.	platform	1		
8	New band brakes		Two independent band brakes, tension spring brakes, cylinder compression spring release brakes. The minimum working braking torque for a single track is 265kN. m, and for dual track operation, it can reach 530kN. m, which is 13% higher than the total braking torque of a conventional disc brake.	set	1		
9	Winch canopy			set	1		

#### 四、Traveling crane system

1	Traveling car	YC675	Rated load: 6750kN, number of pulleys: 7, pulley diameter: $\Phi$ 1524mm, the lifting ring of the traveling block meets the installation requirements of the top drive. All bearings can be lubricated separately through a grease cup installed at the end of the shaft. Complies with API Spec 8C PSL1. The pulley adopts forged welding pulley and can be interchanged with the main pulley of the overhead crane. Install lifting ring screws on the lifting ring of the traveling block to facilitate the opening of the lifting ring.	platform	1		
2	Big hook	DG-675	Rated load: 6750kN, equipped with a rotating locking device for the large hook. The opening size of the main hook mouth is 235 mm, and the opening size of the auxiliary hook mouth is 230 mm. The hook body can be locked at any position of eight equal scales. Complies with API Spec 8C PSL1.	platform	1		
3	Drilling steel wire rope		Wire rope diameter: $\text{¥}$ 45mm, length: 2000m, left-hand rotation. Complies with API Spec 9A.	volume	1		
4	rings	DH-350, 144in		pic	1		
5	rings	DH-500, 180in		pic	1		
6	rings	DH-750, 192in		pic	1		

#### 五、Circulating system equipment

1	mud pump	F-1600HL		platform	3		
2	AC variable frequency motor	1200KW		platform	3		
3	Mud pump transmission			set	3		



	device						
4	Filling pump device				set	3	
5	Cementing pipeline	15000psi	Equipped with an external electric lubricating oil pump and an outdoor explosion-proof motor for spraying, equipped with a filling system.		set	1	
6	High pressure manifold	70MP	Diameter and pressure: 102mm x 70Mpa, suitable for media such as clean water, mud, crude oil, fracturing fluid, etc. Gate valve drive mode: manual. Including: double riser, ground manifold, riser, 2 23m water hoses (52MPa), valve group, vent plug, and all other manifolds from the mud pump outlet to the faucet inlet.		set	1	
<b>六、 Power and control system equipment</b>							
1	Diesel generator set	GF8	1200KW		platform	5	
2	Auxiliary generator set	400KW	Diesel engine muffler with spark catcher		platform	1	
3	Generator room		6 sets of soundproof enclosed generator rooms form a whole, with internal channels. Install fire extinguishers, emergency lighting, and safety warning signs in the factory building. Install 5 main generator units in generator rooms # 1, # 2, # 3, # 4, and # 5, respectively. The auxiliary generator is installed in the # 6 generator room with an air system.		set	6	
4	Pneumatic control system		3 Sullair LS16-100HHAC screw compressors driven by motors, and 1 diesel engine driven air compressor		set	1	
5	Air source room		2 air tanks of 2.5 cubic meters+1 * 3 cubic meters, 1 air dryer of 12 cubic meters, and 2 air filters		set	1	
6	MCC control room, cables (reserved top drive interface)		Rated working voltage 380V/220V (AC); Rated frequency: 50 Hz		set	1	
7	VFD room		Multiple generators can be connected in parallel on the VFD system, with an input voltage of 600V. A third-party power input plug is provided on the plug-in board inside the VFD room.		set	1	
8	Mud logging equipment		Power: 50KW, output voltage/current: 380/220V-100A		set	1	



9	Integrated instrument		<p>Through data acquisition units (on-site sensors, encoders, transmitters, etc.), PLC will calculate and process, and finally display the following drilling parameters on monitoring terminals and remote computers (which can monitor, store, record, and print in real time): suspended weight, drilling pressure, well depth, mechanical drilling speed, hook speed, rotary table speed, rotary table torque, pump stroke, total pump stroke, pump pressure, outlet flow rate, tong torque, mud pool volume, steel wire rope ton/kilometer, and other derived parameters. The weight of the hook, riser pressure, and mud density are recorded in real-time on paper.</p>	set	1		
10	Explosion proof circuit at the well site		<p>Lighting system for blocks such as the wellhead, well site, work area, rest area, solid control area, and pipe rack: TN-S (three-phase five wire system); Ensure reliable equipotential connection between cans. Explosion proof connectors, cables, explosion-proof lighting fixtures, explosion-proof glands, and explosion-proof boxes are all selected from high-quality domestic industry brands. Supporting the lightning protection system of the drilling rig to meet the lightning protection requirements. The operation control switch on the explosion-proof distribution box panel of the well site explosion-proof circuit system should have a locking and tagging function. Protective plates need to be added to the cable tray of the mast lighting lamp.</p>	set	1		
11	Driller's control room and operating system		<p>The driller's console is arranged in the left leaning room. Equipped with brake control, drilling instruments, air control, SCR control, and six (6) Ea cameras, used to monitor the winch, vibrating screen tank, mud pump, second floor platform, wellhead, and catwalk area. All electrical control panels are explosion-proof or airtight, equipped with explosion-proof air conditioning. The first room serves as an instrument rest room (in front of the drilling platform), and the floor and walls are insulated. The room is equipped with a dedicated explosion-proof distribution panel (with leakage protection and locking function), explosion-proof smoke alarm, explosion-proof exhaust fan, 2 explosion-proof electric heaters, each with a power of 2kW, explosion-proof dual air conditioning (2P split, outdoor unit set at a high position in the aisle), recording table (carbon steel), chair, bench (made into a toolbox under the stool), eye wash table, with hanging picture display window and whiteboard, equipped with 2 explosion-proof LED lights (including 1 with emergency function), 5kg fire extinguisher and bracket (2). Install one set of seat belt hooks. Each explosion-proof control box is installed inside the cabinet. The second room is the drilling control room, equipped with an integrated drilling control system. Install 2 explosion-proof LED lights (with emergency function). Reserve installation location for outdoor air conditioning units. The roof is equipped with a folding guardrail and a baseboard.</p>	set	1		



12	Communication management machine		A handheld communication system (walky talk system) used for communication between the drilling rig and other contractor service units (remote locations) of the company, communication management of the entire well site, communication between the drilling rig and the second floor platform, rated power: < 200W, speaker power: indoor not less than 5W, outdoor not less than 25W, with hands-free call function, single call call function, and full call call function. The cable needs to adapt to the environmental temperature requirements of -40 °C to 50 °C.	set	1		
13	Industrial monitoring system		The remote language system in the drilling room is equipped with UPS emergency power supply, including 6 monitoring points and 30 day storage capacity. A 19 inch LCD display is installed in front of the drilling floor and the pipe column operation table. When either the driller/string operator switches between their respective display screens through their respective operation keyboards, it does not affect the combination of the other display screens, and they share one set of TV monitoring controllers. The TV monitoring screen should be embedded in the integrated control system of the driller. Peripheral device monitoring unit configuration for wireless remote transmission (including video recorder and a 22 inch LCD display, wireless equipment, etc.)	set	1		
14	Gas detection system		The power supply for the peripheral equipment monitoring unit is provided by two power sources (one providing power for the drilling room and the other reserved for backup power connectors on the drilling room adapter board). The two power sources are mutually backup, and the two power sources use interlocking circuit breakers, manual switching, with leakage protection function. A backup power connector and a 30m backup power line are reserved on the wall panel at the drilling room end (the other end of the power line does not have a connector).	set	1		
<b>七、Solid control system</b>							
1	Mud tanks 1 # -8 #	13500*3000*2700mm	Wall thickness: 8mm Top plate: covered with fiberglass grating Bottom thickness: 10mm Tank body: square	pic	8		
2	9 # Mud Tank	12000*3000*2700mm	Wall thickness: 8mm Top plate: covered with fiberglass grating Bottom thickness: 10mm Tank body: square	pic	1		
3	Measuring tank	1800*1800*1500mm	Volume: 16m <sup>3</sup> (divided into 2 compartments)	pic	1		



4	Drug cans	1600*1600*1650mm	Volume: 3m <sup>3</sup> , including 1 2.2kw agitator	pic	1	
5	Sitting room	2300*2000*2200mm	Interior: Fireproof panels and wooden flooring for interior walls, doors and windows: 1 door, 2 windows, including water supply and drainage, power supply and lighting, and 1 explosion-proof air conditioner.	pic	1	
6	Mud laboratory	3500*1800*2200mm	Including sink, table and chair, cabinet, lighting, explosion-proof switch, water supply and drainage. Mud balance, Quart, March funnel, mud viscometer	pic	1	
7	mud gas separator	BWZYQ1200	Including: 180m spray pipe line and U-shaped manifold	platform	1	
8	Electronic ignition device	BWYD203		set	1	
9	Vibration sieve	BWZS104	1. Power: 2.2kw * 2 * 3, 2. Processing capacity: ≤ 150m <sup>3</sup> /h (660GPM), 3. Excitation force: ≤ 8.5 Gs, 5. Screen size: 585 x 1165 x 40mm (composite material). 6. Screen box adjustment angle: -1 °~+5 °. 7. Number of sieves: 4pcs. 8. Screen area: 2.73 square meters. 9. Equipment size: 2370 x 1690 x 1420mm	platform	3	
10	Mud distributor	BWNFQ	Material: Q235B	platform	1	
11	mud cleaner	BWZJ104-3S20N	Processing capacity: ≤ 360m <sup>3</sup> /h, power: 2 × 2.2kw, bottom flow screen model: BWZS104	platform	1	
12	Vacuum degasser	BWZCQ300	Processing capacity: ≤ 300m <sup>3</sup> /h, transmission ratio vacuum degree: 1.68, degassing efficiency: ≥ 95%, host power: 30kw, vacuum pump power: 7.5kw	platform	1	
13	Liquid sand pump	BWSB8×6-13J	Power: 75kw * 2	platform	2	
14	Shear pump	BWJQB6545	Power: 75kw	platform	1	
15	Mixing pump	BWSB8×6-13J	Power: 75kw * 2	platform	2	
16	Mixing funnel	BWSL155		set	3	
17	Cantilever suspension	BWXBD3T	Load capacity: 3T, placed on the mixing lever	platform	1	
18	Medium speed centrifuge	BWLW452N	Power: 30+7.5kw, drum material: duplex stainless steel 2205, thruster material: SS316L, transmission form: belt (row structure), differential: planetary gear	platform	1	
19	High speed centrifuge	BWLW365G	Power: 37+7.5kw, drum material: duplex stainless steel 2205, thruster material: SS316L, transmission form: belt (row structure), differential: planetary gear	platform	1	
20	Centrifuge slurry	BW50YZ50-12	Power: 5.5kw, purpose: to supply slurry to medium speed centrifuges	platform	1	



	pump						
21	Centrifuge slurry pump	BW50YZ40-10	Power: 4kw, purpose: to supply slurry for high-speed centrifuges	platform	1		
22	Makeup pump	BW4*3-11J	Power: 11kw * 2	platform	1		
23	Stirrer	BWJBQ15	Power: 15kw * 19, transmission form: worm gear and worm gear, structure: direct connection type	platform	19		
24	Mud gun	BWNJQ503	Working pressure: 1.6Mpa, 3 "rotating structure	set	29		
25	Explosion proof lighting	BWLED80	Power: 18 × 0.08kw, explosion-proof LED	set	18		
26	enclosure		Stairs, walkways, guardrails, valves, manifolds, oil unions	set	1		
27	Explosion proof electrical control system	EXdIIBT4	Control total power: 830.04kw, explosion-proof level: EXdIIBT4, control object: 30kw and below power step-down start, power above 30kw is controlled by MCC room, remarks: including cable trays and cables	set	1		

**八、 Oil and water supply system**

1	Oil supply pipeline, pump, bridge			set	1		
2	Water supply pipelines, pumps, and cable trays	4 "150meter		set	1		
3	Industrial water tank	80m3	Each water tank has 2 water pumps, 11KW, 380VAC, 50HZ, explosion-proof	pic	2		
4	Domestic water tank, driven by diesel engine	30m3	6 units (2 per fuel tank), 15 horsepower (11 kW), 380V AC, 50 Hz, explosion-proof, equipped with a generator room that can accommodate two generator sets with distribution boards.	pic	3		
5	Operation oil tank	60m3	2 fuel pumps per tank (main tank)	pic	2		
6	Domestic oil tank	30m3	2 fuel pumps per tank (main tank)	pic	1		

**九、 Well control system**



1	Anti spray overflow pipe, with a diameter of 480mm and a pressure of 5000psi			pic	1	1860.00	
2	135/8 "-10000/15000psi annular spray preventer		<p>Specifications: HBRS-A</p> <p>Rated working pressure: 10000psi</p> <p>Upper connection: 135/8 "-10000 psi wire planting</p> <p>Lower connection: 135/8 "-15000psi flange</p> <p>Everlubricant coating is applied to the inner cavity of the shell, piston, outer support cylinder, and top cover</p> <p>Steel ring groove welding Ni</p> <p>Compliant with API16A 4th edition</p> <p>Temperature grade of metal parts: T-20/350</p> <p>Temperature grade of rubber parts: BBD (0 ° F~250 ° F)</p> <p>H2S meets the requirements of NACEMR0175/ISO15156</p>	pic	1		
3	135/8 "-15000psi Double Ram Blowout Preventer		<p>Specification: HBRS-F (forged structure)</p> <p>Rated working pressure: 15000psi</p> <p>Upper and lower connection methods: 135/8 "-15000psi flange</p> <p>Side outlet: 4 × 41/16-15000psi flange</p> <p>Everlubricant coating is applied to the sealing surfaces of the side door and the shell</p> <p>Tungsten carbide coating on gate shaft</p> <p>Welding Ni on the steel ring groove, gate chamber, and side door sealing hole</p> <p>Upper chamber fully sealed gate assembly</p> <p>Lower chamber 5 "gate assembly</p> <p>Manual locking</p> <p>Compliant with API16A 4th edition PR2</p> <p>Temperature grade of metal parts: T-20/350</p> <p>Temperature grade of rubber parts: BEF (0 ° Fupto350 ° F)</p> <p>H2S meets the requirements of NACEMR0175/ISO15156.</p>	pic	1		
4	Gate assembly FZ35-105-2-7/8"			pic	1		
5	Gate assembly FZ35-105-3-1/2"			pic	1		



6	Gate assembly FZ35-105-4-1/2"			pic	1		
7	Gate assembly FZ35-105-5-1/2"			pic	1		
8	Gate assembly FZ35-105-5-3/4-			pic	1		
9	Gate assembly FZ35-105-6-5/8"			pic	1		
10	Gate assembly FZ35-105-7 ""			pic	1		
11	Gate assembly FZ35-105-9 5/8"			pic	1		
12	135/8 "-10000 psi Shear Single Ram Blowout Preventer		<p>Specification: HBRS-FS (forging shear, booster cylinder)            Rated working pressure: 10000psi            Upper and lower connections: 135/8 "-10000psi flange            Side outlet: 2 × 41/16 "-10000psi flange            Everlubricant coating is applied to the sealing surface of the side door of the shell            Tungsten carbide coating on gate shaft            Welding Ni on the steel ring groove, gate chamber, and side door sealing hole            Equipped with shear gate            Manual locking            Compliant with API16A 4th edition PR2            Temperature grade of metal parts: T-20/350            Temperature grade of rubber parts: BEF (0 ° Fupto350 ° F)            H2S meets the requirements of NACEMR0175/ISO15156.</p>	pic	1		
13	Drilling four-way FS35-105 (80-35)		<p>Side outlet: 4-1/16 "-15000psi            Height: 32 inches            Steel ring groove welding Ni</p>	pic	2		
14	Kill well pipeline GX80-35-6m, welded			pic	1		
15	Throttle pipeline GX80-35-6m,			pic	1		



	welded					
16	Throttle manifold JG80-3				pic	1
17	Kill pipe manifold YG80-35				pic	1
18	Hydraulic flat valve PFFY80-35				pic	6
19	Manual flat valve PFF80-35				pic	6
20	Anti spray line PF80-35-8m				pic	50
21	Ground anti spray control device FKQ480-8, including drilling floor and alarm device				pic	1
22	Complies with the latest version of API16D requirements				Meter	360
23	Fire resistant pipeline 1"* 5000psi		Specifications: HBR-S-A Upper connection: 11 "-10000 psi 6BXXB158 silk planting Lower connection: 11 "-15000psi6BXXB158 flange Everlubricant coating is applied to the inner cavity of the shell, piston, outer support cylinder, and top cover Steel ring groove welding Ni Temperature grade of metal parts:- 20/250 Equipped with a ball core Compliant with API16A 4th edition PR2 Temperature grade of metal parts: T-20/350		pic	1



			Temperature grade of rubber parts: BAB H2S meets the requirements of NACEMR0175/ISO15156			
24	11 "-15000psi Double Ram Blowout Preventer		Specifications: HBRS-F(Forged) Rated working pressure: 15000psi Up and down connection: 11 "-15000psi flange Side outlet: 4 × 41/16-15000psi flange Everlubricant coating is applied to the sealing surface of the side door of the shell Tungsten carbide coating on gate shaft Welding Ni on the steel ring groove, gate chamber, and side door sealing hole Upper chamber fully sealed gate Lower chamber 5 "gate Manual locking Temperature grade between metals: T0/350 Non metallic temperature grade: BFF H2S meets the requirements of NACEMR0175/ISO15156.	pic	1	
25	Gate assembly FZ28-105-2-7/8"			pic	1	
26	Gate assembly FZ28-106-3-1/2"			pic	1	
27	Gate assembly FZ28-107-4-1/2"			pic	1	
28	Gate assembly FZ28-108-5-1/2"			pic	1	
29	Gate assembly FZ28-109-5-3/4"			pic	1	
30	Gate assembly FZ28-110-6-5/8"			pic	1	
31	Gate assembly FZ28-111-7"			pic	1	
32	Gate assembly FZ28-112-9-5/8"			pic	1	
33	11 "-15000psi single gate blowout		Specification: HBRS-F (forging shear, booster cylinder) Rated working pressure: 15000psi Up and down connection: 11 "-15000psi flange	pic	1	



	preventer		Side outlet: 2 × 41/16-15000psi flange Everlubricant coating is applied to the sealing surface of the side door of the shell Tungsten carbide coating on gate shaft Welding Ni on the steel ring groove, gate chamber, and side door sealing hole Upper chamber fully sealed gate Lower chamber shear gate Manual locking Temperature grade between metals: T0/350 Non metallic temperature grade: BFF H2S meets the requirements of NACEMR0175/ISO15156.				
34	11 " 15000psi drilling tee		Side exit: 2x41/16 "15000 Length 32 '	pic	2		
35	Throttle pipeline GX78-105-6m, welded			pic	1		
36	Kill well pipeline GX78-105-6m, welded			pic	1		
37	Throttle manifold JG78-105			pic	1		
38	Kill pipe manifold YG78-105			pic	1		
39	Hydraulic flat valve PFFY78-105			pic	6		
40	Manual flat valve PFF78-105			pic	6		
41	Blowout pipeline FP78-105-8m, welded			pic	50		

十、Top drive



1	DQ90			pic	1		
<b>十一、 Translation system</b>							
1	Mobile slide rail			set	1		
<b>十二、 Auxiliary equipment</b>							
1	5T pneumatic winch	XJFH-5/35		platform	3		
2	0.5t pneumatic winch	JQH-5×48		platform	1		
3	Electric double drum rewinding machine	DDS-14/5-Y	Steel wire rope capacity: 2000m, guide rope capacity: ≥ 800m (diameter 9.3mm steel wire rope), the drum is equipped with a braking device, and when the drum is in a free state, it should be able to brake the drum. The guide rope drum is equipped with a clutch and brake device. Equipped with an overall sunshade.	platform	1		
4	Hydraulic rope cutter	YB-48		pic	3		
5	Single rope rotating hook	5t		pic	2		
6	Threading device	φ32		pic	2		
7	Hydraulic jack	YQ-50T		pic	4		
8	Hydraulic jack	YQ-30T		pic	4		
9	Hydraulic and pneumatic tong lifting rope	φ16-100m		set	1		
10	B-type tong lifting rope	φ13-80m		set	2		
11	Steel wire rope of pneumatic winch	φ16-120m		set	3		
12	Hydraulic tool hoist			platform	1		
13	Random tools			set	1		
14	Spare parts			set	1		



15	Mud umbrella			set	1		
16	Catwalk	19.5	The catwalk should be equipped with a passage staircase starting from the ground, with a movable pipeline stopper at one end, and designed for safe entry and assembly of wire ropes and oil pipes for transporting logging tools	pic	2		
17	Pipe rack	11 mx1.23mx1.12 m		set	8		
18	Small and large mouse hole tubes			root	2		
19	Splash box			pic	1		
20	casing stabbing board		The lifting mechanism of the stabbing platform should meet a safety factor of 10:1 in terms of lifting capacity. The pneumatic winch control device should be able to be used by the operator on the casing stabbing platform. The winch control rod should return to the middle position when released, and the winch control device should be clearly marked with up and down. The hydraulic and pneumatic winch should have an automatic fault safety function. When the air/hydraulic source interacts, the fault safety brake should be automatically activated. If the load attempts to "run off" or "fall freely", the automatic fault protection device should also operate, and the buckle bracket should be equipped with a secondary safety lock, which will automatically operate in case of winch rope or brake failure. The secondary safety lock should be automatic				

### 十三、Drilling barracks

1	Captain's Room+Meeting Room		9m×2.6m×2.85m	Pic	1		
2	12 person dormitory		9m×2.6m×2.85m	Pic	2		
3	8-person dormitory		9m×2.6m×2.85m	Pic	6		
4	Shower/Washroom		6m×2.6m×2.85m	Pic	1		
5	kitchen		6m×2.6m×2.85m	Pic	1		



6	restaurant		8m×2.6m×2.85	Pic	1		
7	toilet		2m×2m×2.2m	Pic	1		
<b>十四、 Assembly and debugging</b>							
1	Joint debugging and assembly		Before the shipment of the drilling rig, the supplier must conduct joint debugging of the entire set of equipment, and the technical personnel of the demand side can request to participate in this work.	set	1		
<b>十五、 Drilling data</b>							
1			3 copies of paper materials and 1 copy of electronic materials	set	1		
<b>Amount (USD)</b>							<b>15429000</b>

**Note:**

- 1. This quotation is EXW, the quotation is valid for 30 days.**
- 2. Date of delivery:120days after receipt of advance payment (without holiday).**
- 3. Terms of payment: TT PAYMENT (Within 3 days after the contract is signed, 40% advance payment will be made, 30% will be paid during the production process, and the remaining payment will be made before delivery.)**
- 4. If on-site assembly and commissioning are required, the cost will be calculated separately.**