Equipos de Perforación Disponibles:
D-4: DRILLING RIG 750 HP - 11,000’ Capacity with 4 1/2” Drill Pipe

**DRAW-WORKS**: National T45 electric, Driven by 752 Traction Motor, 750 HP. With Eaton Disc Brake.

- **SUBSTRUCTURE & MAST**
  - Dreco 131” Mast, 385,000 HL. 1” 1/8 Line
  - LCM18’ x 28’ x 41 Substructure Box on Box

- **GENERATOR**
  - SCR. System IPS 4 Bay
  - (3)- Cat C-32 Generator Set 725 KW.

- **MUD PUMPS**
  - (1) MD - PZ. 9, Driven By (1) 752 Traction Motor Triplex
  - (1) MD - PZ. 9, Driven By (1) 752 Traction Motor Triplex

- **ROTATING & TRAVELING EQUIPMENT**
  - Gardner Denver 20.5” Table
  - Traveling Blocks Bass Ross 300 Ton.
  - Bass Ross 250 Ton
  - Swivel Emsco LB-200
  - BJ Type B Tongs

- **BLOWOUT PREVENTION**
  - 11” 3,000 lb. Annular BOP.
  - 11” 3,000 lb. Shaffer LWS
  - Model 180-Gallon Automatic Accumulator; 4-Station Air Actuated Remote Control Panel
  - 3” 3,000 lb. Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER & MUD TANKS**
  - Heated Doghouse
  - 400 BBL. Water Tank
o (2) Tank Mud System 850 Bbl’s. With (4) 5 x 6 Pumps with Low Pressure System. (3) Agitators.

o (2) Swaco ALS Linear Shakers.

o National (2) Cone Desander

o National (10) Cone Desilter.

o Fuel Tank 8,000 Gal.

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  - Pilot II Automatic Driller
  - Sure Shot 7º A-1 Survey Instrument
  - Martin-Decker Type D Weight Indicator
  - Hydraulic Kelly spinner
  - Hydraulic Pipe spinners

- DRILL PIPE & COLLARS
  - 11,000’ 4 1/2 16.60 lb Grade Mixed Drill Pipe
  - (21) 6 1/4”x 2¾”x 30’ Slick Drill Collars
  - (2) 8” Drill Collars
D-5: DRILLING RIG 750 HP – 12,500’ Capacity with 4 ½” Drill Pipe.

GARDNER-DENVER 700

DRAW-WORKS: Gardner-Denver 700 Draw-works with 342 Parmac Hydromatic Brake. Powered by (2) - CAT C-15 Engines With National 195-80 Torque Converters – 800 hp

- SUBSTRUCTURE & MAST
  - Pyramid 131 Mast, 550,000 GNC. 1” 1/4 Line
  - Pyramid 17’ H Substructure

- GENERATOR
  - (2)- 320 KW AC Generators Powered by (2) Cat C-15 Diesel engines

- MUD PUMPS
  - (2) 1000 HP. Weatherford Chinese Triplex Powered by 3508 Cat Engines.

- ROTATING & TRAVELING EQUIPMENT
  - Chinese 27 ½” Rotary Table
  - Emsco 250 Ton Block BJ. Hook
  - Ideco Type 300-Tons Swivel
  - 5¼” x 42’ Kelly Varco HD Pin Drive Bushings

- BLOWOUT PREVENTION
  - 13” 5,000 lb. Annular BOP
  - 13” 5,000 lb. Double Gate Bop
  - Koomey Model 80-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
  - 4” & 3” 5,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  - Heated Doghouse
  - (2) 10’ x 5’ x 40’ Mud Tanks Complete with (4) - 5” x 6” Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 650-Barrel Capacity
  - (1) - Water Tank – 500-Bbls.
o 12,000-gallon Fuel Tank
o (2) – Fluid System Linear Shale Shakers
o Fluid System Desander (2) – 10” Cones
o Fluid System Desilter (10) - 4” Cones

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  o BJ 48” Type B Tongs
  o Piolt Il Automatic Driller
  o Sure Shot 14º A-1 Survey Instrument
  o M.D.Totco Type D Weight Indicator

- DRILL PIPE & COLLARS
  o 12,500’ 4 1/2” OD 16.60 lb Drill Pipe
  o (21) 6¼” x 2¼” x 30’ Slick Drill Collars
  o (2) 8” x 30’ Drill Collars

D-6: DRILLING RIG 750 HP - 11,000’ Capacity with 4 1/2” Drill Pipe
OIME HH550

DRAW-WORKS: Oime HH500 Electric, Driven By 752 Traction Motor, 750 HP. With Parmac. 341 Brake.

- SUBSTRUCTURE & MAST
  o Parco 131’ Mast, 360,000 HL. 1” 1/8 Line
  o Parco 22’ x 25’ x 35 Substructure Self Elevating

- GENERATOR
  o SCR. System IDM 4 Bay
  o (3)- Cat D-3508 Generator Set 800 KW.

- MUD PUMPS
  o (1) American PZ. 9, Driven By (1) 752 Traction Motor Triplex
  o (1) Gardner Denver PZ. 9, Driven By (1) 752 Traction Motor Triplex
- ROTATING & TRAVELING EQUIPMENT
  - Gardner Denver 17.5" Table
  - Traveling Blocks Emsco 300 Ton.
  - Swivel Emsco LB-200
  - BJ Type B Tongs

- BLOWOUT PREVENTION
  - 13" 5,000 lb. Annular BOP
  - 13" 5,000 lb. Double Gate
  - Model 180-Gallon Automatic Accumulator; 4-Station Air Actuated Remote Control Panel
  - 3” 5,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  - Heated Doghouse
  - 400 BBL. Water Tank
  - (2) Tank Mud System 850 Bbl’s. With (4) 5 x 6 Pumps with Low Pressure System. (3) Agitators.
  - (2) Swaco Linear Mongoose Shakers.
  - National (2) Cone Desander
  - National (12) Cone Desilter.

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  - Pilot II Automatic Driller
  - Sure Shot 7º A-1 Survey Instrument
  - Martin-Decker Type D Weight Indicator

- DRILL PIPE & COLLARS
- 11,000’ 4 1/2 16.60 lb Grade Mixed Drill Pipe
- (21) 6 1/4“ x 2 ¾“ x 30’ Slick Drill Collars
- (2) 8” Drill Collars

**D-7: DRILLING RIG 1000HP – 15,000’ Capacity with 5” Drill Pipe**

**GARDNER-DENVER 800**

**DRAW-WORKS**: Gardner-Denver 800 Draw-works with 342 Parmac Hydromatic Brake Powered by (2) - CAT C-15 Engines With National 195-80 Torque Converters – 1000 hp

- **SUBSTRUCTURE & MAST**
  - Brewster 136’ Mast, 650,000 GNC. 1” 1/4 Line
  - 27’ H Substructure

- **GENERATOR**
  - (1)- 455 KW powered by (1) Cat 3456 Diesel engine
  - (1)- 425 KW AC Generator powered by (1) Cat 3406 Diesel engines

- **MUD PUMPS**
  - (1) National 9-P-100 Triplex GD.Triplex Pumps powered by 3412 Cat Engine
  - (1) Ideco 1300 Triplex GD.Triplex Pumps powered by 399 Cat Engine

- **ROTATING & TRAVELING EQUIPMENT**
  - Gardner Denver 27 ½” Rotary Table
  - Ideco 350 Ton Block BJ. Hook
  - SL Type 400-Tons Swivel
  - 5¼” x 42’ Kelly Varco HD Pin Drive Bushings

- **BLOWOUT PREVENTION**
  - 13 5/8” 5,000 lb. Annular BOP
  - 13 5/8” 5,000 lb. Double Gate Bop
- **Koomey Model 120-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel**
- **4” & 3” 3,000 lb. Complete Manifold with Gauges and Chokes**

**DOGHOUSE, WATER & MUD TANKS**

- Heated Doghouse
- (2) 10’ x 6’ x 40’ Mud Tanks Complete with (4) - 5” x 6” Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 850-Barrel Capacity
- (1) - Water Tank – 500-Bbls.
- (1) 12,000-gallon Fuel Tank
- (2) – Swaco Linear Shale Shakers
- Fluid System Desander (2) – 10” Cones
- Fluid System Desilter (10) - 4” Cones

**HANDLING TOOLS/AUXILIARY EQUIPMENT**

- HT55 Foley Tongs
- Piolt ll Automatic Driller
- Sure Shot 14º A-1 Survey Instrument
- M.D.Totco Type D Weight Indicator

**DRILL PIPE & COLLARS**

- 15,000’ 4 ½” OD 16.60 lb Drill Pipe
- (21) 6¾” x 2¾” x 30’ Slick Drill Collars
- (2) 8” x 30’ Drill Collars
D-8 DRILLING RIG 700 HP – 11,000' Capacity with 4 ½” Drill Pipe
Mid Continent U-36 AE

DRAW-WORKS: U-36 AE 700 HP. Electric, Driven By (1) 752 Traction Motor. With V80 Parmac Hydromatic. 700 HP.

- **SUBSTRUCTURE & MAST**
  - Branham 131’ Mast, 385,000 HL. 1” 1/8 Line
  - Pyramid Box on Box Substructure 16’ H

- **GENERATOR**
  - SCR System IPS (3) Bay, With Allen Bradley MCC.
  - (3)- Cat D-3412 Generator Set 725 KW.

- **MUD PUMPS**
  - (2) National 8P-80 Triplex, Driven By (2) 752 Traction Motor

- **ROTATING & TRAVELING EQUIPMENT**
  - National C- 27.5” Rotary Table
  - Emsco 250 Ton, Web Wilson 250
  - National P-300, Swivel

- **BLOWOUT PREVENTION**
  - 13 5/8” 5,000 lb. Annular BOP .
  - 13 5/8” 5,000 lb. Hydril double gate
  - Koomey Model 120-Gallon Automatic Accumulator; 6-Station Air Actuated Remote Control Panel
  - 3” 5,000 lb. Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER & MUD TANKS**
  - Heated Doghouse
  - Water Tank 540 BBL.
  - 2) Tank Mud System 750 Bbl’s. With (3) 5 x 6 Pumps with Low Pressure System. (3) Agitators.
o (2) Swaco ALS Linear Shakers.
  o National (2) Cone Desander
  o National (10) Cone Desilter.

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  o 5 ¼” Kelly Drive 42’
  o Pilot II Automatic Driller
  o Sure Shot 7º A-1 Survey Instrument
  o Martin-Decker Type D Weight Indicator

- DRILL PIPE & COLLARS
  o 11,000’ 4 1/2” 16.60 lb Grade G Drill Pipe
  o (21) 6 1/4” x 2¼” x 30’ Slick Drill Collars
  o (2) 8” Drill Collars

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**D-9 DRILLING RIG 10,000’ Capacity with 4 1/2” Drill Pipe KREMCO K750-T**

**DRAW-WORKS:** KREMCO K750-T Trailer Mounted Portable Unit, Powered by (2) – Cat D-3408 Engines. (2) Allison Transmission. 22” Hydromatic. 700 HP.

- **SUBSTRUCTURE & MAST**
  o KREMCO 116’ 350,000# Telescoping Mast. Hydraulic Raising Rams. 1” 1/8 Drilling Line.
  o KREMCO Slingshot Substructure 19’ 2” High.

- **GENERATOR**
  o (2)- 275 KW AC Generators Powered by (2 – Cat D-3408 Diesel Engines.)
- **MUD PUMPS**
  - (2) GD. PZ-9 Triplex Powered by Cat D-3508

- **ROTATING & TRAVELING EQUIPMENT**
  - Ideco 17.5" Rotary Table
  - Emsco 250 – Ton Block Hook Combination BJ. Hook
  - TSM 150 – Ton Swivel
  - 5¼ " x 40’ Hex Kelly - Varco Drive Bushings

- **BLOWOUT PREVENTION**
  - 11” 3,000 psi Annular BOP
  - 11” 3,000 psi Shaffer LWS 102”
  - Model 120-Gallon Automatic Accumulator; 4-Station Air Accuated Remote Control Panel
  - 2” 3,000 psi Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER & MUD TANKS**
  - Heated Doghouse
  - (2) 600 Bbl. Mud Tanks Complete with (2) - 5" x 6” Electrical Driven Centrifugal Pump Manifolded to Low Pressure System, Mud Guns and (2) Shakers
  - Water Tank – 500-Bbls.
  - 10,000-gallon Fuel Tank
  - National 10” – 2-cone Desander, 10-cone Desilter

- **HANDLING TOOLS/AUXILIARY EQUIPMENT**
  - BJ 48” Type B Tongs
  - Bear Automatic Driller
  - Sure Shot 7° A-1 Survey Instrument
  - Martin-Decker Type D Weight Indicator

- **DRILL PIPE & COLLARS**
  - 10,000’ 4 1/2 16.60 lb Grade Drill Pipe
- (21) 6 1/4" x 2 1/4" x 30' Slick Drill Collars
- 8" Drill Collars

**D-10 DRILLING RIG 12,000' Capacity with 4 1/2" Drill Pipe**

**Superior 700 UE**

**DRAW-WORKS:** Superior 700 UE 750 HP. Electric, Driven By (1) 752 Traction Motor. With V80 Parmac Hydromatic 700 HP

- **SUBSTRUCTURE & MAST**
  - Oilfield welding Ltd. 131’ Mast, 366,000 HL 1” 1/8 Line
  - Oilfield welding Ltd. Substructure 16’ H

- **GENERATOR**
  - SCR System Baylor (3) Bay, With Allen Bradley MCC
  - (3)- Cat D-3412 Generator Set 600 KW.

- **MUD PUMPS**
  - (2) Emsco F-800, Driven By (2) 752 Traction Motor Triplex

- **ROTATING & TRAVELING EQUIPMENT**
  - National C- 27.5” Rotary Table
  - National 250 Ton, BJ 540 –G- 250 Hook
  - Oilwell 300, 200 Ton Swivel

- **BLOWOUT PREVENTION**
  - 13 5/8” 5,000 lb. Annular BOP
  - 13 5/8” 5,000 lb. Townsend Rams
  - Koomey Model 160-Gallon Automatic Accumulator; 6-Station Air Actuated Remote Control Panel
  - 3” 5,000 lb. Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER & MUD TANKS**
  - Heated Doghouse
- Water Tank 400 BBL.
- (2) Tank Mud System 650 Bbl's. With (3) 5 x 6 Pumps with Low Pressure System. (3) Agitators.
- (2) Swaco Mongoose Linear Shakers
- National (2) Cone Desander
- National (10) Cone Desilter

**HANDLING TOOLS/AUXILIARY EQUIPMENT**

- 5 ¼" Kelly Drive 42’
- Pilot II Automatic Driller
- Sure Shot 7º A-1 Survey Instrument
- Martin-Decker Type D Weight Indicator

**DRILL PIPE & COLLARS**

- 13,000’ 4 1/2” 16.60 lb Grade G Drill Pipe
- (21) 6 1/4”x 2¼”x 30’ Slick Drill Collars
- (2) 8” Drill Collars

**D-11 DRILLING RIG 20,000’ Capacity with 5” Drill Pipe National 1320**

DRAW-WORKS: National 1320 with 60 Parmac Hydromatic Brake 1 3/8” line; Powered by (3)-CAT D-3508 Engines with National C-300-80 Torque Converters – 1500 hp

**SUBSTRUCTURE & MAST**

- DSI 142’ Mast, 1,025,000 SHL
- DSI 25’ x 64’ Step down Substructure

**GENERATOR**

- (2)- 455 KW AC Generators Powered by (2) Cat 3456 Diesel engines

**MUD PUMPS**
o (1)1600 HP. Chinese Triplex Pump Powered by (1) 3512 Cat Engines.

o (1)1600 HP. Emsco Triplex Pump Powered by (1) 3512 Cat Engine w/national 300-100

o Torque converter

- ROTATING & TRAVELING EQUIPMENT
  o National 27 ½” Rotary Table
  o Gardener Denver 550 Ton Block
  o 5¼”x 46’Kelly Varco HD Pin Drive Bushings (optional without top drive)

- TOP DRIVE
  o Varco 500 Ton TDS-11 Top Drive with a siemens W/PH- 75 drive house
  o Driven by a D-3508 cat 480 volts Gen

- BLOWOUT PREVENTION
  o 13” 5,000 lb. Annular BOP
  o 13” 10,000 lb. Double Gate Bop
  o 13” 10,000 lb. Single Gate Bop

  o 160-Gallon Automatic Accumulator; 7-Station Air Actuated Remote Control Panel
  o 4” X 3” 10,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  o Heated Doghouse

  o (3) 10’ x 10’ x 40’ Mud Tanks Complete with (4) - 5” x 6” Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 1500-Barrel Capacity

  o (1)-Water Tank – 500-Bbls.

  o (1)-18,000-gallon Fuel Tank

  o (2)-Fluid System Linear Shale Shakers
- Fluid System Desander-10” Cones
- Fluid System Desilter- 4” Cones

**HANDLING TOOLS/AUXILIARY EQUIPMENT**

- BJ 48” Type DB Tongs
- Pilot all Automatic Driller
- Sure Shot 7º and 14 degree Survey Instrument
- M.D. Type E Weight Indicator
- National air spinners

**DRILL PIPE & COLLARS**

- 20,000’ 5” OD 19.50 lb Drill Pipe G & S
- (21) 6¼”x 2¼”x 30’ Slick Drill Collars
- (3) 8”x3”x30’ slick drill collars

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**D-12 DRILLING RIG 15,000’ Capacity with 4 ½” Drill Pipe**

**GARDNER-DENVER 800**

DRAW-WORKS: Gardner-Denver 800 Draw-works with 342 Parmac Hydromatic Brake
Powered by (2) - CAT C-15 Engines With National 195-80 Torque Converters – 1000 hp

**SUBSTRUCTURE & MAST**

- DSI 142’ Mast, 1,025,000 GNC. 1” 1/4 Line
- Pyramid 25’ H Substructure

**GENERATOR**

- (2)- 455 KW AC Generators Powered by (2) Cat 3456 Diesel engines)

**MUD PUMPS**

- (2) FB-1300 Emsco pumps Powered by (2) Cat 399 1290 HP. Engines

**ROTATING & TRAVELING EQUIPMENT**

- National 27 ½” Rotary Table
- Ideco 525 Ton Blocks
- Ideco Type LB- 400-Tons Swivel
- 5¾" x 42’ Kelly Varco HD Pin Drive Bushings

- BLOWOUT PREVENTION
  - 11” 10,000 lb. Annular BOP
  - 11” 10,000 lb. Double Gate Bop
  - 11” 10,000 lb. Single Gate
  - Koomey Model 120-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
  - 4” & 3” 10,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  - Heated Doghouse
  - (2) 10’ x 5’ x 40’ Mud Tanks Complete with (4) - 5” x 6” Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 850-Barrel Capacity
  - Water Tank – 500-Bbls.
  - 12,000-gallon Fuel Tank
  - Fluid System Linear Shale Shakers
  - Fluid System Desander (2) – 10” Cones
  - Fluid System Desilter (10) - 4” Cones

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  - BJ 48” Type B Tongs
  - Piolt ll Automatic Driller
  - Sure Shot 7º A-1 Survey Instrument
  - M.D.Totco Type D Weight Indicator

- DRILL PIPE & COLLARS
  - 15,000’ 4 1/2” OD 16.60 lb Drill Pipe
  - (21) 6¼” x 2¼” x 30’ Slick Drill Collars
D-13 DRILLING RIG 12,500’ Capacity with 5” Drill Pipe GARDNER- DENVER 700

DRAW-WORKS: Gardner-Denver 700 Draw-works with 481 Parmac Hydromatic Brake Powered by (2) - CAT C-15 Engines With National 195-80 Torque Converters – 800 hp

▪ SUBSTRUCTURE & MAST
  o Pyramid 131 Mast, 550,000 GNC. 1” 1/4 Line
  o Pyramid 25’ H Substructure

▪ GENERATOR
  o (2)- 455 KW AC Generators Powered by (2) Cat 3456 Diesel engines)

▪ MUD PUMPS
  o (2) 750 HP. GD Triplex Powered by 3412 Cat Engines.

▪ ROTATING & TRAVELING EQUIPMENT
  o National 27 ½” Rotary Table
  o Emsco 300 Ton Block BJ. Hook
  o Ideco Type 300-Tons Swivel
  o 5¼” x 42’ Kelly Varco HD Pin Drive Bushings

▪ BLOWOUT PREVENTION
  o 13” 3,000 lb. Annular BOP
  o 13” 3,000 lb. Double Gate Bop
  o Koomey Model 80-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
  o 4” & 3” 5,000 lb. Complete Manifold with Gauges and Chokes

▪ DOGHOUSE, WATER & MUD TANKS
  o Heated Doghouse
(2) 10' x 5' x 40' Mud Tanks Complete with (4) - 5" x 6" Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 650-Barrel Capacity

- Water Tank – 500-Bbls.
- 12,000-gallon Fuel Tank
- Fluid System Linear Shale Shakers
- Fluid System Desander (2) – 10" Cones
- Fluid System Desilter (10) - 4" Cones

**HANDLING TOOLS/AUXILIARY EQUIPMENT**

- BJ 48" Type B Tongs
- Piolt II Automatic Driller
- Sure Shot 14° A-1 Survey Instrument
- M.D.Totco Type D Weight Indicator

**DRILL PIPE & COLLARS**

- 12,500' 4 1/2" OD 16.60 lb Drill Pipe
- (21) 6¼" x 2¼" x 30' Slick Drill Collars
- 8" x 30’ Drill Collars

**D-14 DRILLING RIG 10,000’ Capacity with 4 1/2” Drill Pipe**

**OILWELL -66**

**DRAW-WORKS**: Oilwell 66 Draw-works with V-80 Parmac Hydromatic Brake, Powered by (2) - Detroit Series 60, 450 HP. Engines. With C. 195 Oilworks Torque Converters. 700 HP.

**SUBSTRUCTURE & MAST**

- LCM 131’ Mast, 330,000 HL. 1” 1/8 Line
- LCM 14’ x 23 x 46’ 4” Substructure

**GENERATOR**

- (2)- 365 KW AC Generators Powered by (2 - Detroit-Series 60 14 Liter 630 Horsepower Engines.)
- MUD PUMPS
  - (2) MZ-9 Triplex Powered by Cat 3508

- ROTATING & TRAVELING EQUIPMENT
  - Ideco 23.5" Rotary Table
  - Texas First Industry 250 Ton Block Hook Combination
  - Ideco Trueline 300 Ton Swivel
  - 5¼" x 42’ Hex Kelly Varco Drive Bushings

- BLOWOUT PREVENTION
  - 10" 3,000 lb. Annular BOP GK.
  - 10" 3,000 lb. Shaffer Type E
  - Koomy Model 110-Gallon Automatic Accumulator; 5-Station Air Accuated Remote Control Panel
  - 2" & 3" 3,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  - Heated Doghouse
  - (2) 650 Bbl. Mud Tanks Complete with (2) - 5" x 6" Electrical Driven Centrifugal Pump Manifold to Low Pressure System, Mud Guns and Shaker
  - Water Tank – 500-Bbls.
  - 10,000-gallon Fuel Tank

- HANDLING TOOLS/AUXILIARY EQUIPMENT
  - BJ 48” Type B Tongs
  - Bear Automatic Driller
  - Sure Shot 7º A-1 Survey Instrument
  - Martin-Decker Type D Weight Indicator

- DRILL PIPE & COLLARS
  - 10,000’ 4 1/2 16.60 lb Grade Mixed Drill Pipe
  - (21) 6 1/4” x 2 3/4’ x 30’ Slick Drill Collars
- 8" Drill Collars

**D-15 DRILLING RIG 14,000’ Capacity with 4.5” Drill Pipe National 55**

**DRAW-WORKS:** National 55 with 46” Parmac Hydromatic Brake Powered by (2) - CAT C-18 Engines With National C-195-100 Torque Converters – 1000 hp.

- **SUBSTRUCTURE & MAST**
  - LCM 142’ Mast, 750,000 GN. 1” 1/4 Line
  - LCM 16’ x 48’ Substructure

- **GENERATOR**
  - (1)- 455 KW AC Generator Powered by (1) Cat 3456 Diesel engines)
  - (1)- 365 KW AC Generator Powered by (1) Cat C-15

- **MUD PUMPS**
  - (2) PZ-9 Triplex Powered by (2) 3508 Cat Engines.

- **ROTATING & TRAVELING EQUIPMENT**
  - National RC 27 ½” Rotary Table
  - Emsco 500 Ton Block & BJ Hook
  - National PC-300 Ton Swivel
  - 5¼” x 42’ Kelly Varco HD Pin Drive Bushings

- **BLOWOUT PREVENTION**
  - 13” 5,000 lb. Annular BOP
  - 13” 5,000 lb. Double Gate Bop Type E Type 70 Rubbers
  - 88-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
  - 4” X 3” 5,000 lb. Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER & MUD TANKS**
- Heated Doghouse
- (2) 9’11” x 5’6” x 43’ Mud Tanks Complete with (4) - 5” x 6” Electrical Driven Centrifugal Pumps Manifolded to Low Pressure System with Electrically Driven Mud Agitators, Mud Guns – 740-Barrel Capacity
- Water Tank – 500-Bbls.
- 10,000-gallon Fuel Tank
- Swaco Linear Shale Shakers
- National Desander (2) – 10” Cones
- National Desilter (10) - 4” Cones

**HANDLING TOOLS/AUXILIARY EQUIPMENT**

- BJ 48” Type DB Tongs
- Piolt II Automatic Driller
- Sure Shot 7º A-1 Survey Instrument
- M.D. Type D Weight Indicator

**DRILL PIPE & COLLARS**

- 12,000’ 4.5” OD 16.60 lb Drill Pipe G
- (21) 6¼” x 2¼” x 30” Slick Drill Collars
- 8” x 30’ Drill Collars

**D-16 DRILLING RIG 12,000’ Capacity with 4 ½” Drill Pipe Oilwell 76**

**DRAW-WORKS:** Oilwell 76 Single Drum 1000 HP. Driven by (2) CAT C-18 engines with 46” Hydromatic

**SUBSTRUCTURE & MAST**

- Lee C Moore 136’ Cantilever Mast, 488,000# HL. 1 ¼” Line with Crown-O-Matic
- Enclosed Box Substructure 15’ 5” H, 600,000# HL

**GENERATOR**

- (2) Cat 365 KW Generator Sets powered by CAT D3406.
- **MUD PUMPS**
  - Weatherford DP-1000 Triplex
  - National N-1000 Duplex independent drive by Cat D3508

- **ROTATING & TRAVELING EQUIPMENT**
  - 27 ½" X 54" Rotary Table
  - Emsco 250 Ton Block and Hook
  - National PC-300, 300 Ton Swivel

- **BLOWOUT PREVENTION**
  - Hydrl GK 13 5/8” 3000# Annular BOP.
  - 13 5/8” 3000# double gate
  - Burnsco 88-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
  - 2” X 3” 3000# Complete Manifold with Gauges and Chokes

- **DOGHOUSE, WATER, FUEL & MUD TANKS**
  - Heated Top Doghouse
  - Fuel Tank – 10,000 gal.
  - Water Tank - 513 bbl.
  - Tank Mud System 800 bbls with (4) 5” x 6” Centrifugal Pumps with Low Pressure System with (4) Agitators in each.
  - 50 bbl pill tank
  - Swaco ALS Linear Shakers.
  - National (2) Cone Desander
  - National (10) Cone Desilter.

- **HANDLING TOOLS/AUXILIARY EQUIPMENT**
  - 5 ¼” Hex Kelly 46’
  - Pilot II Automatic Driller
o Sure Shot 7º A-1 Survey Instrument
o Martin-Decker Type E Weight Indicator

- **DRILL PIPE & COLLARS**
  - 10,000’ 4 ½” 16.60# Grade G Drill Pipe, 4 ½” XH
  - (12) 6 ½” x 2 ¼” x 30’ Slick Drill Collars, 4 ½” XH
  - 8” Drill Collars

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**D-17 DRILLING RIG 13,000’ Capacity with 4 ½” Drill Pipe National 55**

**DRAW-WORKS**: National 55 Double Drum 1000 HP. Driven by (2) CAT C-15 engines (540 HP each).

- **SUBSTRUCTURE & MAST**
  - Lee C Moore 133’ Cantilever Mast, 466,000# HL 1 ¼” Line with Crown–O–Matic
  - Enclosed Box Substructure 11’ 6” H, 600,000# Setback

- **GENERATOR**
  - (2) Cat 465 KW Generator Sets powered by CAT 15.
  - (2) Gardner Denver 1260 CFM Screw Type Air Compressor powered by 30 HP Electric Motor.

- **MUD PUMPS**
  - (2) Brewster B-1100T Triplex powered by CAT D3508

- **ROTATING & TRAVELING EQUIPMENT**
  - 27 ½” X 54” Rotary Table
  - Bash Ross DBM-442, 250 Ton Block and Hook w/ 42” sheaves grooved for 1 ¼” line
  - Oilwell PC 225 Ton Swivel

- **BLOWOUT PREVENTION**
  - Hydril 11” 5000# Annular BOP
- Shaffer 11" 5000# double gate
- Burnsco 88-Gallon Automatic Accumulator; 5-Station Air Actuated Remote Control Panel
- 2" X 3" 3000# Complete Manifold with Gauges and Chokes with 4" 5M# Flex Hose to Manifold

**DOGHOUSE, WATER, FUEL & MUD TANKS**
- Heated Top Doghouse
- Fuel Tank – 10,000 gal
- Water Tank - 513 bbl
- (2) Tank Mud System 800 bbls with (2) 5" x 6" Centrifugal Pumps with Low Pressure System with (4) Mud guns in each.
- 50 bbl pill tank
- Swaco ALS Linear Shakers.
- National (10) Cone Desilter

**HANDLING TOOLS/AUXILIARY EQUIPMENT**
- 5 ¼" Hex Kelly 46'
- Pilot II Automatic Driller
- Sure Shot 7º A-1 Survey Instrument, 12,000’ capacity
- Martin-Decker Type E Weight Indicator

**DRILL PIPE & COLLARS**
- 12,000’ 4 ½” 16.60# Grade G Drill Pipe, 4 ½” XH
- (21) 6 ½" x 2 ¼”x 30’ Slick Drill Collars, 4 ½” XH
- 8” Drill Collars
D-18 DRILLING RIG 18,000’ Capacity with 5” Drill Pipe GARDNER- DENVER 1100

DRAW-WORKS: Gardner-Denver 1100 Draw-works with 481 Parmac hydromatic brake, powered by (3) - CAT D-3508 Engines with National C-300-64 Torque Converters – 1500 hp

- SUBSTRUCTURE & MAST
  - Pyramid 147 Mast, 980,000 GNC. 1” 3/8 Line
  - Pyramid 24’x 60’ Step down Substructure

- GENERATOR
  - (2)- 455 KW AC Generators Powered by (2) Cat C-15 (Turbo Charged Diesel engines)

- MUD PUMPS
  - Chinese 1600hp Triplex Mud Pumps driven by a 3512 cat engine (Baoji)
  - Emsco FB-1300 driven by a D-399 Cat engine

- ROTATING & TRAVELING EQUIPMENT
  - Oilwell 37 ½” Rotary Table
  - B-YC450Z 500Ton blocks
  - National P-500 Swivel
  - 5¼”x 46’Kelly Varco HD Pin Drive Bushings

- BLOWOUT PREVENTION
  - 13” 5,000 lb. Annular BOP
  - 13” 10,000 lb. Double Gate Bop
  - 13” 10,000 lb. Single Gate Bop
  - Koomey Model 160-Gallon Automatic Accumulator; 6-Station Air Actuated Remote Control Panel
  - 4” & 3” 10,000 lb. Complete Manifold with Gauges and Chokes

- DOGHOUSE, WATER & MUD TANKS
  - Heated Doghouse
- **HANDLING TOOLS/AUXILIARY EQUIPMENT**
  - BJ Type SDD Tongs
  - Pilot 2 Automatic Driller
  - Sure Shot 14° A-1 Survey Instrument
  - M.D.Totco Type 100 Weight Indicator

- **DRILL PIPE & COLLARS**
  - 18,000’ 5” OD 19.50 lb Drill Pipe E, G & S
  - (21) 6¼” x 2¼” x 30’ Slick Drill Collars
  - 8” x 30’ Drill Collars