MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Ruger 6 Federal Com #4H	ect: Rug			·
Location: SL:150' FNL & 1755' FEL, BHL:330' FSL & 2130' FEL	unty: Edo			ST: NM
Section: 6 Blk: Survey: TN	20S R	NG: 29E Pro	op. Dpth:	12,500'
INTANGIBLE COSTS 180	CODE	ТСР	CODE	сс
Permits and Surveys Location: Roads, Pits & Site Preparation	100 105	\$5,000 \$60,000	200 205	\$2,000 \$5,000
Location: Excavation & Other	106	\$125,000		
Day Work, Footage, Turnkey Drilling 31 drlg, 2 comp @ \$14,500/day + GRT	110	\$476,500	210	\$30,800
Fuel Mud	114 120	\$87,000 \$60,000		
Chemicals and Additives	121	\$5,000	221	\$5,000
Cementing	125	\$90,000	225	
Logging, Wireline & Coring Services Casing, Tubing & Snubbing Services	130 134	\$25,000 \$25,000	230 234	\$12,000
Mud Logging	137	\$25,000		
Stimulation Stimulation Rentals & Other			241 242	\$540,000 \$150,000
Water & Other	145	\$40,000		\$150,000
Bits	148	\$50,000		\$2,500
Inspection & Repair Services Misc. Air & Pumping Services (Gas Lift installation)	150 154	\$5,000	250 254	\$30,000
Testing	158	\$4,000		\$5,000
Completion / Workover Rig			260	\$20,000
Rig Mobilization Transportation	164 165	\$90,000 \$25,000		\$5,000
Welding and Construction	168	\$5,000		\$2,000
Engineering & Contract Supervision	170	\$70,000		
Directional Services Equipment Rental	175 180	\$210,000 \$62,000	280	\$5,000
Well / Lease Legal	184	\$8,000	284	\$1,000
Well / Lease Insurance	185	\$4,000		
Intangible Supplies Damages	188 190	\$5,000 \$5,000		
Pipeline, Road, Electrical ROW & Easements	192		292	
Pipeline Interconnect Company Supervision	195	\$70,000	293 295	\$20,000
Overhead Fixed Rate	195	\$9,000		\$30,000 \$4,000
Well Abandonment	198		298	
Contingencies 10% (TCP) 5% (CC)	199	\$164,600		\$42,500
TOTAL		\$1,810,100		\$891,800
TANGIRI E COSTS 181				
TANGIBLE COSTS 181 Casing (19.1" - 30")	793			
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT	794	\$40,200		
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT	794 795	\$78,200		
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT	794			\$59,300
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft	794 795 796	\$78,200 \$229,600	797 798	\$59,300 \$51,300
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head	794 795	\$78,200	797 798	\$51,300
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods	794 795 796	\$78,200 \$229,600	797 798 870 875	
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr)	794 795 796	\$78,200 \$229,600	797 798 870 875 880	\$51,300 \$15,000 \$25,000 \$250,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods	794 795 796	\$78,200 \$229,600	797 798 870 875	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers	794 795 796	\$78,200 \$229,600	797 798 870 875 880 884 885 886	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Orilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel	794 795 796	\$78,200 \$229,600	797 798 870 875 880 884 885 886	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers	794 795 796	\$78,200 \$229,600	797 798 870 875 880 884 885 886	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment	794 795 796	\$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters	794 795 796	\$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000
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Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction	794 795 796	\$78,200 \$229,600 \$10,000	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000
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Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction	794 795 796	\$78,200 \$229,600 \$10,000 \$10,000 \$3,168,100 \$3,7	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 74,000	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$40,000 \$714,100 \$1,605,900
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST	794 795 796	\$78,200 \$229,600 \$10,000 \$10,000 \$358,000 \$2,168,100 \$3,7 BEFORE THE O	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 CALCONSERV	\$51,300 \$15,000 \$25,000 \$25,000 \$6,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$30,000 \$10,000 \$3,000 \$1,000 \$1,000 \$1,605,900
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST	794 795 796	\$78,200 \$229,600 \$10,000 \$10,000 \$358,000 \$2,168,100 \$3,7 BEFORE THE O	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 CALCONSERV	\$51,300 \$15,000 \$25,000 \$25,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (6.1" - 8.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Prepared by: F. Lathan Date: 12/17/2010	794 795 796	\$78,200 \$229,600 \$10,000 \$10,000 \$3,58,000 \$2,168,100 \$3,7 BEFORE THE O Sair Consolidated	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 IL CONSERV Mar Fe, New Mar Ge, New St de Case No's Le Exhibit No. Submitted by	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$40,000 \$1,000 \$40,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT	794 795 796	\$78,200 \$229,600 \$10,0	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 IL CONSERV Mey	\$51,300 \$15,000 \$25,000 \$25,000 \$6,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$310,000 \$110,000 \$310,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (8.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Prepared by: F. Lathan Date: 12/17/2010 Joint Owner Interest: Amount: Joint Owner Approval:	794 795 796 860	\$78,200 \$229,600 \$10,0	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 IL CONSERV L CONSERV L CONSERV Exhibit No. Submitted by URNE OIL C	\$51,300 \$15,000 \$25,000 \$250,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$1,000 \$3,000 \$40,000 \$1,605,900 ATION DIVISION exico 4603 & 14604 4 21 OMPANY 1,3, 2011
Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT	794 795 796 860	\$78,200 \$229,600 \$10,000 \$10,000 \$10,000 \$358,000 \$2,168,100 \$3,7 BEFORE THE O San Consolidate MEWBC Hearing	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 IL CONSERV Marce of Case No's Intervious Exhibit No. Submitted by OURNE OIL CORNER OIL	\$51,300 \$15,000 \$25,000 \$25,000 \$6,000 \$100,000 \$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$1,000 \$1,000 \$3,000 \$40,000 \$1,

File: Ruger 6 Federal Com #4H.xls

MEWBOURNE OIL COMPANY AUTHORIZATION FOR EXPENDITURE

	Prosp	ect: Rug	er 6		
Location: SL:150' FNL & 1400' FWL, BHL:330' FSL & 1400' FWL] co	unty: Edd	у		ST: NM
Section: 6 Blk: Survey:			NG: 29E Pro	p. Dpth:	12,500'
INTANGIBLE COSTS 180 Permits and Surveys		CODE 100	TCP \$5,000	CODE 200	CC \$2,000
Location: Roads, Pits & Site Preparation		105	\$60,000	205	\$5,000
Location: Excavation & Other		106 110	\$125,000 \$476,500	210	\$30,800
Day Work, Footage, Turnkey Drilling 31 drlg, 2 comp @ \$14,500/day + GRT Fuel		114	\$87,000	210	\$30,000
Mud		120	\$60,000		
Chemicals and Additives		121	\$5,000	221	\$5,000
Cementing Logging, Wireline & Coring Services		125 130	\$90,000 \$25,000	225 230	<u>-</u>
Casing, Tubing & Snubbing Services		134	\$25,000	234	\$12,00
Mud Logging		137	\$25,000		
Stimulation				241 242	\$540,000 \$150,000
Stimulation Rentals & Other Water & Other		145	\$40,000	242	\$150,000
Bits		148	\$50,000	248	\$2,50
Inspection & Repair Services		150	\$5,000	250	
Misc. Air & Pumping Services (Gas Lift installation)		154 158	\$4,000	254 258	\$30,000 \$5,000
Testing Completion / Workover Rig		130	\$4,000	260	\$20,000
Rig Mobilization		164	\$90,000		+1000
Transportation		165	\$25,000	265	\$5,000
Welding and Construction Engineering & Contract Supervision		168 170	\$5,000 \$70,000	268 270	\$2,000
Directional Services		175	\$210,000	210	
Equipment Rental		180	\$62,000	280	\$5,000
Well / Lease Legal		184	\$8,000	284	\$1,000
Well / Lease Insurance		185 188	\$4,000 \$5,000	285 288	
Intangible Supplies Damages		190	\$5,000 \$5,000	290	
Pipeline, Road, Electrical ROW & Easements		192		292	
Pipeline Interconnect				293	
Company Supervision Overhead Fixed Rate		195 196	\$70,000 \$9,000	295 296	\$30,000 \$4,000
Well Abandonment			\$3,000		Ψ¬,οοι
vveii Abandonnient		198		298	
Contingencies 10% (TCP) 5% (CC)		198 199	\$164,600	298 299	\$42,500
Contingencies 10% (TCP) 5% (CC)	TAL		\$164,600 \$1,810,100		\$42,500 \$891,80 0
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181	TAL	199			· · · · · · · · · · · · · · · · · · ·
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30")	TAL	199 793	\$1,810,100		· · · · · · · · · · · · · · · · · · ·
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT	TAL	199			
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT	TAL	199 793 794	\$1,810,100 \$40,200	299	\$891,800
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT	DTAL	793 794 795	\$1,810,100 \$40,200 \$78,200	299	\$891,800 \$59,300
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT	DTAL	793 794 795	\$1,810,100 \$40,200 \$78,200	299	\$891,800 \$59,300
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	299	\$59,300 \$51,300 \$15,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875	\$59,300 \$51,300 \$15,000 \$25,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr)	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880	\$59,300 \$51,300 \$15,000 \$25,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (6.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875	\$59,300 \$51,300 \$15,000 \$25,000 \$250,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886	\$59,300 \$51,300 \$15,000 \$25,000 \$6,000 \$100,000 \$22,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (6.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890	\$59,300 \$51,300 \$15,000 \$25,000 \$250,000 \$100,000 \$22,000 \$30,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (6.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891	\$59,300 \$51,300 \$15,000 \$25,000 \$6,000 \$100,000 \$30,000 \$7,500
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890	\$59,300 \$51,300 \$15,000 \$25,000 \$6,000 \$100,000 \$30,000 \$7,500
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897	\$59,300 \$51,300 \$15,000 \$25,000 \$250,000 \$100,000 \$30,000 \$40,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897 898	\$59,300 \$51,300 \$15,000 \$25,000 \$250,000 \$100,000 \$30,000 \$40,000 \$30,000 \$100,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$40,000 \$30,000 \$10,000 \$30,000 \$30,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$40,000 \$30,000 \$10,000 \$30,000 \$30,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$40,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation	DTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$40,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction		793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910	\$59,300 \$51,300 \$15,000 \$25,000 \$250,000 \$100,000 \$22,000 \$30,000 \$40,000 \$30,000 \$40,000 \$40,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction)TAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$358,000	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$3,000 \$40,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (6.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction)TAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$3,000 \$40,000
TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Heater Treaters, Line Heaters Metering Equipment Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction)TAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$3,000 \$40,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TO SUBTO	OTAL OTAL OTAL	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$3,000 \$40,000 \$25,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TO SUBTO	OTAL OTAL ST	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$3,000 \$40,000 \$25,000
TANGIBLE COSTS 181	OTAL OTAL ST	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$59,300 \$51,300 \$15,000 \$25,000 \$25,000 \$100,000 \$30,000 \$7,500 \$40,000 \$30,000 \$1,000 \$3,000 \$40,000
Contingencies 10% (TCP) 5% (CC) TANGIBLE COSTS 181 Casing (19.1" - 30") Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TO SUBTO	OTAL OTAL ST	793 794 795 796	\$1,810,100 \$40,200 \$78,200 \$229,600 \$10,000 \$10,000 \$2,168,100	797 798 870 875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	

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