MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Bradley 30 Federal No. 2H Prospect: Bradley				
.ocation: SL: 400' FSL & 240' FEL, BHL: 400' FSL & 330' FWL	County: Eddy			
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Section: 30 Bik: Survey:	TNP: 185	RNG: 30E Pr	p. Dpth:	12,730'
INTANGIBLE COSTS 180	COD	Е ТСР	CODE	сс
Permits and Surveys	100	• • • • •	200	\$2,00
ocation: Roads, Pits & Site Preparation	105		205	\$30,00
ocation: Excavation & Other	106			
Day Work, Footage, Turnkey Drilling 30 days drilling/3 day comp @\$17,000/day	110		210	\$54,10
Tuel	114			
Chemicals and Additives	121		221	\$5,00
Cementing	125		221	\$0,00
ogging, Wireline & Coring Services Gyro & Cased hole GR/Neutron	130		230	
Casing, Tubing & Snubbing Services	134		234	\$13,00
Aud Logging	137			•
Stimulation			241	\$950,00
Stimulation Rentals & Other			242	\$250,00
Vater & Other	145	\$45,000		
Bits	148	\$60,000	248	
nspection & Repair Services	150	\$11,000	250	\$1,50
Aisc. Air & Pumping Services	154		254	\$8,00
esting	158	\$4,000	258	\$10,00
Completion / Workover Rig			260	\$20,00
Rig Mobilization	164			
Transportation	165		265	\$6,00
Velding and Construction	168		268	\$10,00
Engineering & Contract Supervision	170	·	270	
Directional Services	175			
quipment Rental	180		280	\$5,00
Vell / Lease Legal Vell / Lease Insurance	184		284 285	\$1,00
ntangible Supplies	188		283	
Damages	190		200	
Pipeline, Road, Electrical ROW & Easements	192		292	\$10,00
Pipeline Interconnect			293	\$10,00
Company Supervision	195	\$100,000	295	\$35,00
Dverhead Fixed Rate	196		296	\$4,00
Vell Abandonment	198		298	
Contingencies 10% (TCP) 5% (CC)	199	\$195,300	299	\$70,70
TANGIBLE COSTS 181 Casing (19.1" - 30")	793 794 795	\$11,600		
Casing (6.1" - 8.0") 8300' 7" 26# P110 BTC @ \$32.5/ft w/GRT	796	\$269,500		
Casing (4.1" - 6.0") 4100' 4 1/2" 11.6# P110 LTC @ \$16.50/ft w GRT			797	\$67,70
			798	\$49,00
ubing (2" - 4") 7500' 2 7/8" 6.5# L80 EUE 8rd @ \$6.50/ft		#0 F00		
Drilling Head	860	\$8,500		
Drilling Head Tubing Head & Upper Section	860	\$8,500	870	\$10,00
Drilling Head Tubing Head & Upper Section Sucker Rods	860	\$8,500	875	\$25,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports)	860	\$8,500	875 880	\$25,00 \$250,00
Onlling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems	860	\$8,500	875 880 884	\$25,00 \$250,00 \$10,00
Drilling Head "ubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Vufficial Lift Systems Pumping Unit	860	\$8,500	875 880 884 885	\$25,00 \$250,00 \$10,00 \$75,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Tumping Unit Surface Pumps & Prime Movers	860	\$8,500	875 880 884 885 886	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Tumping Unit Surface Pumps & Prime Movers Tanks - Steel	860	\$8,500	875 880 884 885 886 890	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00 \$45,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others		\$8,500	875 880 884 885 886 890 891	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00 \$45,00 \$45,00 \$26,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10'x1000# 3 phase separator		\$8,500	875 880 884 885 886 890	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00 \$45,00 \$45,00 \$26,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Vufficial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10'x1000# 3 phase separator Sas Treating Equipment		\$8,500	875 880 884 885 886 890 891 895	\$25,00 \$250,00 \$10,00 \$75,00 \$55,00 \$45,00 \$45,00 \$26,00 \$12,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others			875 880 884 885 886 890 891 895 896	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00 \$45,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Vurificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Sas Treating Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater			875 880 884 885 886 890 891 895 896 897	\$25,00 \$250,00 \$10,00 \$75,00 \$5,00 \$45,00 \$45,00 \$12,00 \$26,00 \$20,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Artificial Lift Systems Tumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Steel Tanks - Others Separation Equipment 24"x10'x1000# 3 phase separator Sas Treating Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Attering Equipment			875 880 884 885 886 890 891 895 896 897 898	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$26,00 \$12,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$20,00 \$25,000 \$25,0000 \$25,0000 \$25,0000 \$25,0000 \$25,0000 \$25,0000 \$25,0000 \$25,00000 \$25,0000
Drilling Head "ubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) "vifficial Lift Systems Pumping Unit Surface Pumps & Prime Movers "anks - Steel "anks - Steel "anks - Others Separation Equipment 24"x10"x1000# 3 phase separator Sas Treating Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aetering Equipment ine Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection			875 880 884 885 886 890 891 895 895 896 897 898 900	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$45,00 \$12,00 \$26,00 \$12,00 \$20,000 \$20,0000 \$20,0000 \$20,000 \$20,000 \$20,000 \$20,
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Vurificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Sas Treating Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater Hetering Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater Hetering Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater Hetering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Tathodic Protection Electrical Installations			875 880 884 885 886 890 891 895 896 897 898 900 906	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$45,00 \$26,00 \$12,00 \$12,00 \$20,00 \$6,50 \$7,50 \$40,00
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Autificial Lift Systems Tumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Separation Equipment 24"x10"x10"x75# heater treater Attering Equipment Ine Pipe - Gas Gathering and Transportation Aisc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation			875 880 884 885 890 891 895 896 897 898 900 906 908 909 910	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$45,00 \$45,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$10,000 \$10,0000 \$10,0000\$10,0000\$1000\$1
brilling Head 'ubing Head & Upper Section 'ubing Head & Upper Section 'ucker Rods 'acker Pump & Subsurface Equipment (20 ports) 'urificial Lift Systems 'urificial Li			875 880 884 885 886 890 891 895 896 897 898 900 906 908 909	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$45,00 \$45,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$10,000 \$10,0000 \$10,0000\$10,0000\$1000\$1
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Autificial Lift Systems Tumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Separation Equipment 24"x10"x10"x75# heater treater Attering Equipment Ine Pipe - Gas Gathering and Transportation Aisc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation		\$328,100	875 880 884 885 890 891 895 896 897 898 900 906 908 909 910	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$45,00 \$12,00 \$26,00 \$12,00 \$20,000 \$20,0000 \$20,0000 \$20,000 \$20,000 \$20,000 \$20,
Drilling Head Tubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Packer Pump & Subsurface Equipment (20 ports) Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Deparation Equipment 24"x10"x1000# 3 phase separator Deparation Equipment Teaters, Line Heaters 6"x20"x75# heater treater Detering Equipment Teater Treaters, Line Heaters 6"x20"x75# heater treater Detering Equipment Teater Treaters, Line Heaters 6"x20"x75# heater treater Detering Equipment Disc. Fittings, Valves, Line Pipe and Accessories Sathodic Protection Detertical Installations Production Equipment Installation Dipeline Construction			875 880 884 885 890 891 895 896 897 898 900 906 908 909 910	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$45,00 \$45,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$12,00 \$10,000 \$10,0000\$10,000 \$10,000\$10,00
Drilling Head "ubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) "vifficial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Bas Treating Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction		\$328,100 \$2,476,500	875 880 884 885 890 891 895 896 897 898 900 906 908 909 910	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$26,00 \$12,00 \$20,00 \$20,00 \$40,00 \$35,00 \$35,00 \$35,00 \$35,00 \$683,70
Drilling Head Ubing Head & Upper Section Ucker Rods Packer Pump & Subsurface Equipment (20 ports) Virificial Lift Systems Umping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Separation Equipment 24"x10"x1000# 3 phase separator Separation Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Actering Equipment Line Pipe - Gas Gathering and Transportation Alisc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation Pipeline Construction TOT SUBTOT TOTAL WELL COS Propared by: S. Puryear Date: 1/25/201		\$328,100 \$2,476,500	875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920	\$25,00 \$250,00 \$10,00 \$75,00 \$45,00 \$26,00 \$12,00 \$20,00 \$20,00 \$40,00 \$35,00 \$35,00 \$35,00 \$35,00 \$683,70
Drilling Head "ubing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) "umping Unit Surface Pumps & Prime Movers "anks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Bas Treating Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater Aletering Equipment Heater Treaters, Line Heaters 6"x20"x75# heater treater Aletering Equipment Heater Treaters, Line Pipe and Accessories Sathodic Protection Electrical Installations Production Equipment Installation Tot SUBTOT SUBTOT	AL	\$328,100 \$2,476,500 \$4,64	875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 45,500	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$12,00 \$26,00 \$12,00 \$45,00 \$45,00 \$45,00 \$40,00 \$35,00 \$35,00 \$40,00 \$35,00 \$40,00 \$35,00 \$40,00 \$35,00 \$40,000\$\$40,000
Drilling Head Urbing Head & Upper Section Sucker Rods Packer Pump & Subsurface Equipment (20 ports) Vrificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment 24"x10"x1000# 3 phase separator Sas Treating Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aetering Equipment Inse Pipe - Gas Gathering and Transportation Alisc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installation Production Equipment Installation Production Equipment Installation Production SuBBTOT TOTAL WELL COS Prepared by: S. Puryear Date: 1/25/201	AL	\$328,100 \$2,476,500 \$4,64 Oil Conse	875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 45,500	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$26,00 \$12,00 \$20,00 \$6,50 \$44,00 \$20,00 \$6,50 \$40,00 \$35,00 \$35,00 \$683,74 \$2,169,00
Drilling Head "ubing Head & Upper Section Sucker Rods "acker Pump & Subsurface Equipment (20 ports) "utificial Lift Systems "umping Unit Surface Pumps & Prime Movers "anks - Steel "anks - Others Separation Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aleter Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment Heater Treaters, Line Pipe and Accessories Cast Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Stathodic Protection Total Subbrot Vipeline Construction Total WELL COS Prepared by: S. Puryear Total: Total: Co. Approval: The Whittee:	AL	\$328,100 \$2,476,500 \$4,64 Oil Conse	875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 45,500	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$26,00 \$12,00 \$20,00 \$6,50 \$44,00 \$20,00 \$6,50 \$40,00 \$35,00 \$35,00 \$683,74 \$2,169,00
Drilling Head "ubing Head & Upper Section Sucker Rods "acker Pump & Subsurface Equipment (20 ports) "vtificial Lift Systems "umping Unit Surface Pumps & Prime Movers anks - Steel "anks - Others Separation Equipment 24"x10"x1000# 3 phase separator Bas Treating Equipment Heater Treaters, Line Heaters 6'x20"x75# heater treater Aletering Equipment ine Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories Cathodic Protection Electrical Installations Production Equipment Installation "pipeline Construction TOT Separed by: S. Puryear Date: 1/25/201 "col Approval:	AL	\$328,100 \$2,476,500 \$4,64 Oil Conse	875 880 884 885 886 890 891 895 896 897 898 900 906 908 909 910 920 45,500	\$25,00 \$250,00 \$10,00 \$75,00 \$26,00 \$26,00 \$12,00 \$20,00 \$6,50 \$44,00 \$20,00 \$6,50 \$40,00 \$35,00 \$35,00 \$683,74 \$2,169,00
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