MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: Ruger 6 Federal Com #4H	spect: Rug	jer b		
Location: SL:150' FNL & 1755' FEL, BHL:330' FSL & 2130' FEL	County: Edd	ly		ST: NM
Section: 6 Bik: Survey:	ND: 205 B	NG: 29E Pro	so Doth:	12,500'
Section: 6 Dik: Survey.	MF. 203 K	NG:[25L] 110	pp. Opan.	12,500
INTANGIBLE COSTS 180	CODE	ТСР	CODE	cc
Permits and Surveys	100	\$5,000	200	\$2,000
Location: Roads, Pits & Site Preparation	105	\$60,000	205	\$5,000
Location: Excavation & Other Day Work, Footage, Turnkey Drilling 31 drlg, 2 comp @ \$14,500/day + GRT	106 110	\$125,000 \$476,500	210	\$30,800
Fuel Day Work, Footage, Turnkey Drilling 31 drig, 2 comp @ \$14,300/day + GR1	114	\$87,000	210	φου,ουυ
Mud	120	\$60,000		
Chemicals and Additives	121	\$5,000	221	\$5,000
Cementing	125	\$90,000	225	
Logging, Wireline & Coring Services	130	\$25,000	230	£40,000
Casing, Tubing & Snubbing Services Mud Logging	134	\$25,000 \$25,000	234	\$12,000
Stimulation	13/	\$25,000	241	\$540,000
Stimulation Rentals & Other		l	242	\$150,000
Water & Other	145	\$40,000		
Bits	148	\$50,000	248	\$2,500
Inspection & Repair Services	150	\$5,000	250	
Misc. Air & Pumping Services (Gas Lift installation)	154	64.000	254	\$30,000
Testing Completion / Workover Rig	158	\$4,000	258 260	\$5,000 \$20,000
Rig Mobilization	164	\$90,000	200	φ∠υ,υυυ
Transportation	165	\$25,000	265	\$5,000
Welding and Construction	168	\$5,000	268	\$2,000
Engineering & Contract Supervision	170	\$70,000	270	
Directional Services	175	\$210,000		
Equipment Rental Well / Lease Legal	180	\$62,000	280	\$5,000
Well / Lease Legal Well / Lease Insurance	184 185	\$8,000 \$4,000	284 285	\$1,000
Intangible Supplies	188	\$5,000	288	
Damages	190	\$5,000	290	
Pipeline, Road, Electrical ROW & Easements	192		292	
Pipeline Interconnect			293	
Company Supervision	195	\$70,000	295	\$30,000
Overhead Fixed Rate Well Abandonment	196 198	\$9,000	296 298	\$4,000
Contingencies 10% (TCP) 5% (CC)	198	\$164,600		\$42,500
TOTA		\$1,810,100		\$891,800
TANGIBLE COSTS 181		T		405.7,000
Casing (19.1" - 30")	793			
Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GRT	794	\$40,200		
Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft w/GRT	795	\$78,200		
Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT	796	\$229,600		
Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w GRT			797	\$59,300
Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft Drilling Head	860	\$10,000	798	\$51,300
Tubing Head & Upper Section	- 000	\$10,000	870	\$15,000
Sucker Rods	_		875	\$25,000
Packer Pump & Subsurface Equipment (17-20 ports + pkr)			880	\$250,000
Artificial Lift Systems			884	\$6,000
		 		
Pumping Unit			885	
Pumping Unit Surface Pumps & Prime Movers			886	\$22,000
Pumping Unit Surface Pumps & Prime Movers Tanks - Steel			886 890	\$22,000 \$30,000
Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others			886	\$22,000 \$30,000 \$7,500
Pumping Unit Surface Pumps & Prime Movers Tanks - Steel			886 890 891	\$22,000
Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters			886 890 891 895	\$22,000 \$30,000 \$7,500
Pumping Unit Surface Pumps & Prime Movers Tanks - Steel Tanks - Others Separation Equipment Gas Treating Equipment Heater Treaters, Line Heaters Metering Equipment			886 890 891 895 896 897 898	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000
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			886 890 891 895 896 897 898 900	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000
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			886 890 891 895 896 897 898 900	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000
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			886 890 891 895 896 897 898 900	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000
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			886 890 891 895 896 897 898 900 906 908 909	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000
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			886 890 891 895 896 897 898 900 906 908	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000
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	L	\$358,000	886 890 891 895 896 897 898 900 906 908 909	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000
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		\$358,000 \$2,168,100	886 890 891 895 896 897 898 900 906 908 909 910 920	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$40,000 \$25,000
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 TOTA		\$2,168,100	886 890 891 895 896 897 898 900 906 908 909 910	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$40,000 \$25,000
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 SUBTOTA	L	\$2,168,100 \$3,7	886 890 891 895 896 897 898 900 906 908 909 910 920	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$25,000 \$1,605,900
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 SUBTOTA	L	\$2,168,100 \$3,7 EFORE THE OIL CO	886 890 891 895 896 897 898 900 906 908 909 910 920	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$25,000 \$1,605,900
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 SUBTOTA	D B	\$2,168,100 \$3,7 EFORE THE OIL CO Santa Fe	886 890 891 895 896 897 898 900 906 908 909 910 920 74,000	\$22,000 \$30,000 \$7,500 \$40,000 \$10,000 \$3,000 \$40,000 \$25,000 \$1,605,900
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 TOTA SUBTOTA TOTAL WELL COST Prepared by: F. Lathan Date: 12/17/2016	D B	\$2,168,100 \$3,7 EFORE THE OIL CO Santa Fe Consolidated Cas Ext	886 890 891 895 896 897 898 900 906 908 909 910 920 PNSERVATIO, New Mexico e No's 14603 4	\$22,000 \$30,000 \$7,500 \$40,000 \$10,000 \$3,000 \$40,000 \$25,000 \$1,605,900
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 SUBTOTA	D B	\$2,168,100 \$3,7 EFORE THE OIL CO Santa Fe Consolidated Cas Ext Subt MEWBOURN	886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 DNSERVATIO, New Mexico e No's 14603 & hillion of the control of t	\$22,000 \$30,000 \$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$25,000 \$714,100 \$1,605,900
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 TOTA SUBTOTA TOTAL WELL COST Prepared by: F. Lathan Date: 12/17/2016 Joint Owner Interest: Amount:	D B	\$2,168,100 \$3,7 EFORE THE OIL CO Santa Fe Consolidated Cas Ext Subt MEWBOURN	886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 DNSERVATIO, New Mexico e No's 14603 & dibit No. 4 mitted by:	\$7,500 \$40,000 \$30,000 \$10,000 \$3,000 \$40,000 \$25,000 \$714,100 \$1,605,900 N DIVISION
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 TOTA SUBTOTA TOTAL WELL COST Prepared by: F. Lathan Date: 12/17/2016 Go. Approval:	D B	\$2,168,100 \$3,7 EFORE THE OIL CO Santa Fe Consolidated Cas Exh Subr MEWBOURN Hearing Data	886 890 891 895 896 897 898 900 906 908 909 910 920 74,000 DNSERVATIO, New Mexico e No's 14603 & dibir No. 4 mitted by: E OIL COMP/s: March 3, 20	\$22,000 \$30,000 \$7,500 \$40,000 \$10,000 \$3,000 \$40,000 \$25,000 \$714,100 \$1,605,900

__ Name: _

Form Rev: 8/12/09

File: Ruger 6 Federal Com #4H.xls

MEWBOURNE OIL COMPANY AUTHORIZATION FOR EXPENDITURE

Well Name: Ruger 6 Federal Com #5H	Pros	pect: Rug			
Location: SL:150' FNL & 1400' FWL, BHL:330' FSL & 1400' FW	1/500000	ounty: Edo			ST: NM
		-	NG: 29E Pro	on Doth:	12,500'
Section: 6 Blk: Survey:		·[<u>200</u>]*\			
INTANGIBLE COSTS 180		CODE 100	TCP \$5,000	CODE 200	CC \$2,000
Permits and Surveys Location: Roads, Pits & Site Preparation		105	\$60,000	205	\$5,000 \$5,000
Location: Excavation & Other	lov + CDT	106 110	\$125,000 \$476,500	210	\$30,800
Day Work, Footage, Turnkey Drilling 31 drlg, 2 comp @ \$14,500/6	Jay + GKT	114	\$87,000		Ψ30,000
Mud		120	\$60,000		\$E 000
Chemicals and Additives Cementing		121 125	\$5,000 \$90,000		\$5,000
Logging, Wireline & Coring Services		130	\$25,000	230	
Casing, Tubing & Snubbing Services Mud Logging		134 137	\$25,000 \$25,000		\$12,000
Stimulation				241	\$540,000
Stimulation Rentals & Other Water & Other		145	\$40,000	242	\$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
Misc. Air & Pumping Services (Gas Lift installation) Testing		158	\$4,000		\$5,000
Completion / Workover Rig		101	200.000	260	\$20,000
Rig Mobilization Transportation		164 165	\$90,000 \$25,000	}	\$5,000
Welding and Construction		168	\$5,000	268	\$2,000
Engineering & Contract Supervision Directional Services		170 175	\$70,000 \$210,000		
Equipment Rental		180	\$62,000		\$5,000
Well / Lease Legal		184 185	\$8,000		\$1,000
Well / Lease Insurance Intangible Supplies		188	\$4,000 \$5,000		
Damages		190	\$5,000	290	
Pipeline, Road, Electrical ROW & Easements Pipeline Interconnect		192		292 293	
Company Supervision		195	\$70,000	295	\$30,000
Overhead Fixed Rate Well Abandonment		196 198 -	_\$9,000	296 298	\$4,000
Contingencies 10% (TCP) 5% (CC)		199	\$164,600		\$42,500
	TOTAL		\$1,810,100		\$891,800
TANGIBLE COSTS 181 (Casing (19.1" - 30")		793			•
Casing (10.1" - 19.0") 1200' 13 3/8" 48# H40 @ \$33.05/ft w/ GF	T	794	\$40,200		
Casing (8.1" - 10.0") 3100' 9 5/8" 36# N80/K55 LTC \$25.20/ft Casing (6.1" - 8.0") 8200' 7" 26# P110 LTC @ \$28.00/ft w/GRT		795	\$78,200	J	
Casing (4.1" - 6.0") 4600' 4 1/2" 11.6# P110 LTC @ \$12.88/ft w		796	\$229,600	797	\$59,300
Tubing (2" - 4") 8200' 2 7/8" 6.5# L80 EUE 8rd @ \$6.25/ft				798	\$51,300
Drilling Head Tubing Head & Upper Section		860	\$10,000	870	\$15,000
Sucker Rods				875	\$25,000
Packer Pump & Subsurface Equipment (17-20 ports + pkr) Artificial Lift Systems				880 884	\$250,000 \$6,000
Pumping Unit				885	\$6,000 \$100,000
Surface Pumps & Prime Movers Tanks - Steel				886 890	\$22,000 \$30,000
Tanks - Steel Tanks - Others				890	\$30,000 \$7,500
Separation Equipment				895	\$40,000
Gas Treating Equipment Heater Treaters, Line Heaters				896 897	\$30,000
Metering Equipment				898	\$10,000
Line Pipe - Gas Gathering and Transportation Misc. Fittings, Valves, Line Pipe and Accessories				900	\$3,000 \$40,000
Cathodic Protection				908	ψ10,000
Electrical Installations Production Equipment Installation				909 910	\$25,000
Pipeline Construction				920	φ∠3,000
	TOTAL		\$358,000		\$714,100
	SUBTOTAL	\$2,168,100 \$1,605,90		\$1,605,900	
	L WELL COST		\$3,77	74,000	
Prepared by: F. Lathan D. Co. Approval: D. White	ate: 12/17/2010				
Co. Approval: D. Whitee D.	ate: <u>12/17/2010</u>				
Joint Owner Interest: Amount:					
	mt O 1				
Joint Owner:Jo	nt Owner Approval:				····
Operator has secured Operator's Extra Expense Insurance covering costs of elect NOT to be covered by this Operator's Extra Expense Insurance only b Expense Insurance for thier well.	f well control, clean up a y signing below. The und	nd redrilling ersigned ele	as estimated in Lii cts NOT to be cov	ne Item 185. vered by Ope	Non-Operator may rator's Extra

__ Name: __

Form Rev: 8/12/09

By:
File: Ruger 6 Federal Com #5H.xls