

COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING

WELL NAME:	BANTER STATE #4H	PROSPECT NAME:	BULLDOG 2334 (717041)
SHL:	190 FNL & 660 FWL	STATE & COUNTY:	New Mexico, Lea
BHL:	330 FSL & 660 FWL	OBJECTIVE:	DRILL & COMPLETE
FORMATION:	DBSS/3RD BSS	DEPTH:	15,900
LEGAL:	13-23S-34E	TVD:	11,400

INTANGIBLE COSTS		BCP		ACP		TOTAL
Title/Curative/Permit	201	11,000				11,000
Insurance	202	4,000	302			4,000
Damages/Right of Way	203	5,000	303			5,000
Survey/Stake Location	204	7,000	304			7,000
Location/Pits/Road Expense	205	150,000	305	20,000		170,000
Drilling / Completion Overhead	206	8,000	306			8,000
Turnkey Contract	207	0	307			0
Footage Contract	208	0	308			0
Daywork Contract	209	384,000	309			384,000
Directional Drilling Services	210	145,000	310			145,000
Fuel & Power	211	55,000	311	8,500		63,500
Water	212	53,000	312	338,000		391,000
Bits	213	64,000	313	3,000		67,000
Mud & Chemicals	214	42,000	314	21,250		63,250
Drill Stem Test	215	0	315			0
Coring & Analysis	216	0				0
Cement Surface	217	33,000				33,000
Cement Intermediate	218	55,000				55,000
Cement 2nd Intermediate/Production	218	0	319	135,000		135,000
Cement Squeeze & Other (Kickoff Plug)	220	0	320	0		0
Float Equipment & Centralizers	221	22,000	321	14,000		36,000
Casing Crews & Equipment	222	15,000	322	17,000		32,000
Fishing Tools & Service	223	0	323			0
Geologic/Engineering	224	0	324			0
Contract Labor	225	8,000	325	178,500		184,500
Company Supervision	226	0	326			0
Contract Supervision	227	36,000	327	70,000		106,000
Testing Casing/Tubing	228	10,000	328			10,000
Mud Logging Unit	229	20,000	329			20,000
Logging	230	0	330			0
Perforating/Wireline Services	231	6,000	331	155,000		161,000
Stimulation/Treating		0	332	2,720,000		2,720,000
Completion Unit		0	333	80,000		80,000
Swabbing Unit		0	334			0
Rentals-Surface	235	85,000	335	145,000		230,000
Rentals-Subsurface	236	85,500	336	20,000		105,500
Trucking/Forklift/Rig Mobilization	237	115,000	337	45,000		160,000
Welding Services	238	4,000	338	5,000		9,000
Water Disposal	239	0	339	300,000		300,000
Plug to Abandon	240	0	340			0
Seismic Analysis	241	0	341			0
Closed Loop & Environmental	244	140,000	344	5,000		145,000
Miscellaneous	242	0	342			0
Contingency	243	30,000	343	50,000		80,000
TOTAL INTANGIBLES		1,592,500		4,328,250		5,920,750

TANGIBLE COSTS		BCP		ACP		TOTAL
Surface Casing	401	54,000				54,000
Intermediate Casing	402	138,000	503			138,000
Production Casing		0	503	234,000		234,000
Tubing		0	504	65,000		65,000
Wellhead Equipment	405	15,000	505	35,000		50,000
Pumping Unit		0	506	103,500		103,500
Prime Mover		0	507			0
Rods		0	508	55,000		55,000
Pumps		0	509	38,000		38,000
Tanks		0	510	90,000		90,000
Flowlines		0	511	27,000		27,000
Heater Treater/Separator		0	512	54,000		54,000
Electrical System		0	513	36,000		36,000
Packers/Anchors/Hangers	414	0	514	9,000		9,000
Couplings/Fittings/Valves	415	0	515	135,000		135,000
Gas Compressors/Meters		0	516	7,290		7,290
Dehydrator		0	517			0
Injection Plant/CO2 Equipment		0	518			0
Miscellaneous	419	0	519			0
Contingency	420	0	520	50,000		50,000
TOTAL TANGIBLES		207,000		936,790		1,143,790
TOTAL WELL COSTS		1,800,000		5,265,040		7,065,040

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 15520 Exhibit 4

Submitted by: COG OPERATING LLC

Hearing Date: August 4, 2016

YATES PETROLEUM CORPORATION	
BY: <i>James L. Brown</i>	DATE: 12/20/15
ABO PETROLEUM CORPORATION	
BY: <i>✓</i>	DATE:
MYCO INDUSTRIES, INC.	
BY:	DATE:
SHARBRO ENERGY, LLC	
BY:	DATE:
YATES INDUSTRIES LLC	
BY:	DATE:

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