

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **GOLDFINGER 17 FED COM #4H** PROSPECT NAME: **BULLDOG2432**
 SHL: **190 FSL & 660 FEL** STATE & COUNTY: **New Mexico, Lea**
 BHL: **330 FNL & 660 FEL** OBJECTIVE: **DRILL AND COMPLETE**
 FORMATION: **BRUSHY** DEPTH: **13,105'**
 LEGAL: **17-24S-32E** TVD: **8,505'**

INTANGIBLE COSTS		BCP	ACP	TOTAL
Tide/Curative/Permit	201	11,000		11,000
Insurance	202	5,000		5,000
Damages/Right of Way	203	15,000		15,000
Survey/Stake Location	204	7,000		7,000
Location/Pits/Road Expense	205	100,000	25,000	125,000
Drilling / Completion Overhead	206	6,000		6,000
Turnkey Contract	207	0		0
Footage Contract	208	0		0
Daywork Contract	209	385,000		385,000
Directional Drilling Services	210	178,000		178,000
Fuel & Power	211	85,000	10,000	95,000
Water	212	70,000	175,000	245,000
Bits	213	78,000	4,500	82,500
Mud & Chemicals	214	85,000		85,000
Drill Stem Test	215	0		0
Coring & Analysis	216	0		0
Cement Surface	217	35,000		35,000
Cement Intermediate	218	55,000		55,000
Cement 2nd Intermediate/Production	218	0	100,000	100,000
Cement Squeeze & Other (Kickoff Plug)	220	0		0
Float Equipment & Centralizers	221	15,000	15,000	30,000
Casing Crews & Equipment	222	20,000	20,000	40,000
Fishing Tools & Service	223	0		0
Geologic/Engineering	224	0		0
Contract Labor	225	15,000	125,000	140,000
Company Supervision	226	0		0
Contract Supervision	227	41,600	50,000	91,600
Testing Casing/Tubing	228	7,000		7,000
Mud Logging Unit	229	21,000		21,000
Logging	230	75,000	10,000	85,000
Perforating/Wireline Services	231	5,000	120,000	125,000
Stimulation/Treating		0	1,400,000	1,400,000
Completion Unit		0	50,000	50,000
Swabbing Unit		0		0
Rentals-Surface	235	85,000	250,000	335,000
Rentals-Subsurface	236	105,000	25,000	130,000
Trucking/Forklift/Rig Mobilization	237	125,000	25,000	150,000
Welding Services	238	5,000	7,500	12,500
Water Disposal	239	0	150,000	150,000
Plug to Abandon	240	0		0
Seismic Analysis	241	0		0
Closed Loop & Environmental	244	180,000	10,000	190,000
Miscellaneous	242	0		0
Contingency	243	90,400	50,000	140,400
TOTAL INTANGIBLES		1,885,000	2,622,000	4,507,000

TANGIBLE COSTS				
Surface Casing	401	39,000		39,000
Intermediate Casing	402	116,000		116,000
Production Casing		0	208,000	208,000
Tubing		0	44,000	44,000
Wellhead Equipment	405	15,000	35,000	50,000
Pumping Unit		0	115,000	115,000
Prime Mover		0	20,000	20,000
Rods		0	40,000	40,000
Pumps		0	37,000	37,000
Tanks		0	75,000	75,000
Flowlines		0	70,000	70,000
Heater Treater/Separator		0	65,000	65,000
Electrical System		0		0
Packers/Anchors/Hangers	414	0	10,000	10,000
Couplings/Fittings/Valves	415	0	170,000	170,000
Gas Compressors/Meters		0	8,100	8,100
Dehydrator		0		0
Injection Plant/CO2 Equipment		0		0
Miscellaneous	419	0		0
Contingency	420	9,000	45,900	54,900
TOTAL TANGIBLES		179,000	943,000	1,122,000
TOTAL WELL COSTS		2,064,000	3,565,000	5,629,000

COG Operating LLC

Date Prepared: 4/16/2014

COG Operating LLC

By: Tim Smith

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. 15

Submitted by: **COG OPERATING LLC**

Hearing Date: **July 24, 2014**

We approve:

% Working Interest

Company:

By:

Printed Name:

Title:

Date:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.