COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

Surf. Loc: 430' FS&WL, Sec 11		COUNTY & STATE		
3.H. Loc: 330' FS&EL, Sec 11		OBJECTIVE: 10,85	6' MD (6610' TVD) L	ower Abo Test
16S - R28E; w/pilot, wo/LWD	_			
		BCD	ACR	τοται
NTANGIBLE COSTS	004	BCP	ACP	<u>TOTAL</u> 5,1
itle/Curative/Permit	_ 201 202	5,500 22,000 302	·	22,
	- ²⁰² - 203	15,000 303		15,
amages/Right of Way	_ <u>203</u> 204	3,000 303	·· ·· ··	3,
urvey/Stake Location	- 204 205	45,000 304 -	5,000	
rilling / Completion Overhead	- 205 -	5,000 306	1,000	6,
urnkey Contract	- 207 -			
ootage Contract	208	308		~ <u>~</u>
aywork Contract 32:4 @ \$10,000/day	209	320,000 309	40,000	360,
irectional Drilling Services, With out LWD	210	180,000 310		180,
uel & Power	211	54,000 311	6,000	60,
/ater	_ 212 _	30,000 312	50,000	80,
its	_ 213 _	50,000 313	1,000	51,
ud & Chemicals	- 214 -	60,000 314		60,
rill Stem Test	_ 215 _	315 _		
oring & Analysis ement Surface	- ²¹⁶ 217	12,200		
ement Intermediate	218	15,000		15,
ement 2nd Intermediate 7"	218	319	23,400	23,
ement Squeeze & Other (Kickoff Plug)	- 220 -	18,700 320		18,
oat Equipment & Centralizers	221	5,000 321	2,000	7,
asing Crews & Equipment	222	15,000 322	10,000	25,
shing Tools & Service	223	323		
eologic/Engineering	224	10,000 324	1,000	11,
ontract Labor	225	10,000 325	30,000	40,
ompany Supervision	_ 226 _	2,000 326	2,000	4,
ontract Supervision	_ 227 _	36,000 327	4,000	40,
esting Casing/Tubing	- 228 -	4,000 328	1,500	5,
ud Logging Unit	- ²²⁹ 230	<u> 22,500</u> 329 60,000 330	· · · · · · · · · · · · · · · · · · ·	
ogging erforating/Wireline Services	- 230 - 231	1,500 331	12,500	<u> </u>
timulation/Treating		332	750,000	750,
ompletion Unit		333	18,000	18,
wabbing Unit		334		
entals-Surface	235	100,000 335	45,000	145,
entals-Subsurface	236	45,000 336	10,000	55,
rucking/Forklift/Rig Mobilization	237	80,000 337	15,000	95,
/elding Services	238	3,000 338	1,500	4,
/ater Disposal	239	339	15,000	15,
lug to Abandon	- 240 -	340 _		
eismic Analysis losed Loop & Environmental	- 241 -	341		
liscellaneous	- ²⁴⁴ 242	<u>225,000</u> 344 5,000342	1,000	225,
Contingency	- 243 —	146,600 343	105,100	6, 251,
TOTAL INTANGIBLES	- 240 —	1,606,000	1,150,000	2,756,
ANGIBLE COSTS				
urface Casing 500' 13 3/8"	401	18,000		18,
termediate Casing 2300' 9 5/8", 6000' - 7"	402	59,000 503	145,000	204,
roduction Casing/Liner 4900' - 4.5" ubing 6000' 2 7/8"		503 _	59,000	59,
/ellhead Equipment	405	504 10,000 505	34,000	34,
umping Unit			0,000	18,
ime Mover		507 -		
ods	- ,	508 _		
umps		509		
anks		510	60,000	60,0
owlines		511	15,000	15,0
eater Treater/Separator		512	25,000	25,0
ectrical System		513 _	000.000	
ackers/Anchors/Hangers	414 <u>4</u> 15	514 2,000 515	200,000	200,0
as Compressors/Meters		516	4,000	52,0
hydrator		518 517		
ection Plant/CO2 Equipment		518		
scellaneous	419	1,000 519	1,000	2,0
ontingency	420	9,000 520	61,000	70,0
TOTAL TANGIBLES		99,000	662,000	761,0
TOTAL WELL COSTS	·	1,705,000	1,812,000	3,517,0
DG Operating LLC				
c J. Coffman / C. Bird	Da	ate Prepared: 6/15/09		

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.