

US Certified Mail - 91 7199 9991 7036 0804 9098

February 24 2017

Nadel and Gussman Delaware LLC 15 E 5th St Tulsa OK 74103 Attn Land Department

Re Well Proposal - Stove Pipe Federal Com #21H

Sec 6 E/2 E/2 T25S R35E
Sec 7 E/E E/2 T25S-R35E
SHL 409 FNL/ 476 FEL, or a legal location in Sec 6 (Unit A)
BHL 200 FSL/ 330 FEL or a legal location in Sec 7 (Unit P)
Lea County New Mexico

Dear Sir/Madam

COG Operating LLC (COG) as Operator proposes to drill the Stove Pipe Federal Com #21H well as a horizontal well at the above-captioned location to a TVD of approximately 12 729 and a MD of 22 500 to test the Wolfbone Pool (Operation) The total cost of the Operation is estimated to be \$11 160 667 00 and a detailed description of the cost is set out in the enclosed Authority for Expenditure (AFE)

COG is proposing to drill this well under the terms of the AAPL Form 610- 1989 Operating Agreement The Operating Agreement covers Sec 6 E/2 E/2 and Sec 7 E/2 E/2 T25S R35E Lea County NM a fully executable copy will be sent for your execution if you shall choose to participate with the following general provisions

100/300 Non-consenting penalty

Megan L Kianery

- \$7 000/\$700 Drilling and Producing rate
- COG Operating LLC named as Operator

If you do not wish to participate in the Operation COG proposes to acquire your interest via farmout. The Farmout offer is subject to the approval of COGs management and verification of title

If an agreement cannot be reached within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time

If you have any questions please do not hesitate to contact the undersigned at 432 685 2588

Respectfully

Megan Flanagan

Landman

O e Co ch Cente | 600 West III 10 s A e e | f tidla d T s 79701 | P 432 683 7443 | P 4 2 683 7441

Hearing Date April 27, 2017

	_ I/We hereby elect to participate in the Stove Pipe Federal Com #21H
	I/We hereby elect <u>not</u> to participate in the Stove Pipe Federal Com #21H
Company	
Ву	
Name _	
Title _	
Date _	

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME.	STOVE PIPE FEDERAL COM #21H	PROSPECT NAME	BULLDOG 2535 (717109)	S Lea Co UWC no PH 2M
SHL	SEC 6 409 FNL & 478 FEL	STATE & COUNTY	New Mexico, Lea	
BHL	SEC 7 200 FSL & 330 FEL	OBJECTIVE	DRILL & COMPLETE	
FORMATION	WOLFBONE	DEPTH	22,500	
LEGAL.			12,729	

		Orto Rio				Tank Btty		Pmpa_	
INTANGIBLE COSTS		Release(D)		Completion(C)		Constrctn(TB)		Equipment(PEQ)	TOTAL
Title/Curative/Permit	201	11,000							11 000
Insurance	202	000	302						4,000
Damages/Right of Way	203	5 000	303		351				5 000
Survey/Stake Location	204	6 000			352				6,000
Location/Pits/Road Expense	205	130 000	305	53 648	353	217 352	366		401 000
Orling / Completion Overhead	208 207	10 500	306						0 500
Turnkey Contract	208		308			The state of the s			
Footage Contract Daywork Contract	209	595 000	309						595 000
Directional Drilling Services	210	245 000	310			RAPIS MENTAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDR		المارية المستوالية والأراق	245 000
Fuel & Power	211	81 000	311	5 000	354		367		86,000
Water	212	66 633	312	1 100,000		SERVING COLUM	368		1 166 833
Bds	213	114,000	313	4 500			369		18,500
Mud & Chemicals	214	140 000	314	25,000			370		185,000
Drift Stern Test	215		315						
Coring & Analysis Cement Surface	21B 217	28,000							28 000
Coment Intermediate	218	40,000				Particular Section 1997.			40,000
Cement 2nd Intermediate/Production	219	80 000				Management of the			80,000
Cement Squeeze & Other (Kickoff Plug)	220	55,000					371		55,000
Float Equipment & Controlizare	221	17,800				THE PERSON NAMED IN			17 600
Casing Crews & Equipment	222	50 000		NAME AND ASSOCIATION OF THE PERSON OF THE PE				Character and the second	50 000
Fishing Tools & Service	223		323			DEPT - MARKET PARK			
Geologic/Engineering	224 225	6,500	324	6 200	355 356	180,800	373		194 500
Company Supervision	225 226	63 000	325	30 000	357	180,800	37 375		194 500 93 000
Contract Supervision	227	103,000	327	85,000	358		378	5 000	193 000
Testing Casing/Tubing	228	20 000	328	10,000		Designation of the last of	377		30 000
Mud Logging Unit	229	39,000	329						39 000
Loggeng	230	25 000		经验证证明			378		25 000
Perforating/Wireline Services	231	4 000	331	404 000		-	379		408,000
Stimulation/Treating			332	3,200 000			380		3 200 000
Completion Unit			333	138,000			381	7,000	1 5,000
Swatthern Unit Rentate-Surface	235	190 000	334	315 000	359	MANAGE THE PARTY	382 383	6 000	5 1000
Rentals-Subsurface	238	140 000	336	75 000	339	THE RESERVE	384		215 000
Trucking/ForkstVRtg Mobilization	237	140 000	337	20 000	360		365	5 000	165,000
Welding Services	238	4 000	338	5 000	361		386		9 000
Weter Disposal	239	0	339	80 000	362	90 000	387		150,000
Plug to Abtendon	240	0	340						
Setemic Analysis	241		341					CONTRACTOR STREET	0
Miscelleneous	242	0	342			PROPERTY OF THE PARTY OF THE PA	389		
Contrigency	243 244	198 000	343	125 000	363		390		173.000
Col Tubing	244	10000	344	500 000	364		388		203,000 500 000
Floritack Crews & Equip		I Server and the second	347	98 000		-			98 000
Offset Directional/Frac	248	0	348			THE RESERVE OF THE PARTY.		Marie of Confession of Confess	
TOTAL INTANGIBLES		2,668 633		6 266,348		488,152		23,000	9 436 133
TANGIBLE COSTS									
Surface Casing	401	113,200		**************************************					113 200
Intermediate Casing Production Casing/Liner	402 400	528 000 390,000							528,000
Tubing		C. Charles Co. P. W. Co.	504	43 000			530	T	43,000
Wetherd Equipment	405	65,000	505	20,000			531	3,000	88,000
Pumping Unit				Distance of the last of		Name of Street	506	100 470	100,470
Printo Mover		PARTIE AND LOCATION OF THE PARTY.		-			507		
Rods		STATE OF THE PARTY		0 (1990)			508	45 000	45,000
Purrys-Bub Surface (BH)			500				532	000	6,000
Tanks Flowfree				PARTITION OF THE PARTY OF THE P	510	37 500 50 000			37 500
Haster Treater/Separator					512	47,500			50 000 47 500
Electrical System		RETURNING THE PARTY		A) by the same	513	32 500	533		32 500
Packers/Anchors/Hangers	14	0	614	6 000					6 000
Couplings/Fittings/Valvet	416				5 5	115.000		Company of the last	115,000
Dehydration				Mark Company	517				
Injection Plant/CO2 Equipment					518				
Pumps-Surface Instrumentation/SCADA/POC		PARTY NAMED IN		Calculation of the last of the	521 522		,		<u>_</u>
Macellaneous	419		519		522 523	40 000	529 535	4,000	40,000
Cordingency	20		520		524		536		
Metera/LACT				S/Market Partie Margallia	625	35 000			35,000
Flares/Combustiers/Emission		-			526	25 000			25,000
Ges LINCompression			527		515	1,364	529		18,364
TOTAL TANGIBLES		1,098.200		84,000		383,964		150,470	1,724 534
TOTAL WELL COSTS		3 764,833		6.350 348		672 016		183 470	11 180,667
% of Total Well Cost		34%		67%		8%		2%	
COG Operating LLC				ų		•		•**	
-									
		Date Prepared	1/23/	2017					
		COG Operating LLC							
We approve.									
% Working Interest		By RSLIKEN LAFORTL	JNE					•	
•			_						
Company By			ı						
		26 .							

