



COG OPERATING LLC

Fascinator Federal Com #601H, #602H, #603H, 604H
Fascinator Federal Com #701H, #702H, #703H
Fascinator Federal Com #704H, #705H, #706H

Section 30 & 31 T24S-R35E
Lea County, New Mexico



**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING JULY 26, 2018**

Case No. 16219 & 16220

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
 SHL: 210 FNL & 920 FWL
 BHL: 200 FSL & 710 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: **BULLDOG 717008**
 STATE & COUNTY: **New Mexico, Lea**
 OBJECTIVE: **DRILL AND COMPLETE**
 DEPTH: **22,600**
 TVD: **12,790**

		<u>Drig - Rig</u> <u>Release(D)</u>	<u>Completion(C)</u>	<u>Tank Btty</u> <u>Constrctn(TB)</u>	<u>Pmpg</u> <u>Equipment(PEQ)</u>	<u>TOTAL</u>
INTANGIBLE COSTS						
Title/Curative/Permit	201	11,000				11,000
Insurance	202	4,000	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	120,000	305	10,000	353	31,000
Drilling / Completion Overhead	206	13,800	306		366	161,000
Turkey Contract	207	0	307	1,397,000		13,800
Footage Contract	208	0	308	781,000		1,397,000
Daywork Contract	209	1,000,000	309	1,177,000		781,000
Directional Drilling Services	210	398,000	310	150,000		2,177,000
Fuel & Power	211	263,000	311	5,000	354	548,000
Water	212	60,000	312	855,000		268,000
Bits	213	133,200	313	4,500		915,000
Mud & Chemicals	214	275,000	314	25,000		137,700
Drill Stem Test	215	0	315			300,000
Coring & Analysis	216	0				0
Cement Surface	217	28,000				0
Cement Intermediate	218	75,000				28,000
Cement 2nd Intermediate/Production	219	115,000				75,000
Cement Squeeze & Other (Kickoff Plug)	220	0			371	115,000
Float Equipment & Centralizers	221	45,000				0
Casing Crews & Equipment	222	60,000				45,000
Fishing Tools & Service	223	0	323		372	60,000
Geologic/Engineering	224	0	324	355		0
Contract Labor	225	5,500	325	8,200	356	373
Company Supervision	226	82,800	326	15,000	357	92,200
Contract Supervision	227	151,000	327	204,000	358	374
Testing Casing/Tubing	228	20,000	328	10,000		375
Mud Logging Unit	229	52,000	329			376
Logging	230	0				5,000
Perforating/Wireline Services	231	4,000	331	515,000		360,000
Stimulation/Treating			332	397,000		376
Completion Unit			333	138,000		377
Swabbing Unit			334			378
Rentals-Surface	235	190,000	335	310,000	359	379
Rentals-Subsurface	236	150,000	336	55,000		379
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360	380
Welding Services	238	4,000	338	5,000	361	381
Water Disposal	239	0	339	60,000	362	381
Plug to Abandon	240	0	340			10,000
Seismic Analysis	241	0	341			7,000
Miscellaneous	242	0	342			3,000
Contingency	243	68,700	343	250,000	363	143,000
Closed Loop & Environmental	244	330,000	344	5,000	364	9,000
Coil Tubing			346	462,000		195,000
Flowback Crews & Equip			347	325,000		0
Offset Directional/Frac	248	0	348	48,000		0
TOTAL INTANGIBLES		3,790,000		7,231,700	238,000	31,500
						11,291,200
TANGIBLE COSTS						
Surface Casing	401	73,000				73,000
Intermediate Casing	402	421,000				421,000
Production Casing/Liner	403	433,000				433,000
Tubing			504	47,300	530	10,000
Wellhead Equipment	405	75,000	505	22,000	531	3,000
Pumping Unit				0	506	98,000
Prime Mover				0	507	0
Rods				0	508	65,000
Pumps-Sub Surface (BH)			509		532	5,500
Tanks				510	35,800	35,800
Flowlines				511	85,000	85,000
Heater Treater/Separator				512	159,465	159,465
Electrical System				513	60,000	20,000
Packers/Anchors/Hangers	414	0	514	66,000	533	2,000
Couplings/Fittings/Valves	415	0		515	76,000	68,000
Dehydration				517		76,000
Injection Plant/CO2 Equipment				518		0
Pumps-Surface				521	6,250	6,250
Instrumentation/SCADA/POC				522		7,000
Miscellaneous	419	0	519	523		3,000
Contingency	420	0	520	524		0
Meters/LACT				525	29,150	29,150
Flares/Combusters/Emission				526	15,000	15,000
Gas Lift/Compression			527	15,000	516	75,000
TOTAL TANGIBLES		1,002,000		150,300	541,665	213,500
TOTAL WELL COSTS		4,792,000		7,382,000	779,665	245,000
						13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **Marathon Oil Permian LLC**
By: _____

Printed Name: _____

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

Date: _____

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
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	<u>Drig - Rig</u>		<u>Completion(C)</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
<u>INTANGIBLE COSTS</u>	<u>Release(D)</u>				<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
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Fuel & Power	211	263,000	311	5,000	354		367		268,000
Water	212	60,000	312	855,000			368		915,000
Bits	213	133,200	313	4,500			369		137,700
Mud & Chemicals	214	275,000	314	25,000			370		300,000
Drill Stem Test	215	0	315						0
Coring & Analysis	216	0							0
Cement Surface	217	28,000							28,000
Cement Intermediate	218	75,000							75,000
Cement 2nd Intermediate/Production	219	115,000							115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371		0
Float Equipment & Centralizers	221	45,000							45,000
Casing Crews & Equipment	222	60,000							60,000
Fishing Tools & Service	223	0	323				372		0
Geologic/Engineering	224	0	324		355		373		0
Contract Labor	225	5,500	325	8,200	356	72,000	374	6,500	92,200
Company Supervision	226	82,800	326	15,000	357		375		97,800
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Mud Logging Unit	229	52,000	329						52,000
Logging	230	0					378		0
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Stimulation/Treating			332	397,000			380		397,000
Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382		0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000	507,000
Rentals-Subsurface	236	150,000	336	55,000			384		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000	143,000
Welding Services	238	4,000	338	5,000	361		386		9,000
Water Disposal	239	0	339	60,000	362	135,000	387		195,000
Plug to Abandon	240	0	340						0
Seismic Analysis	241	0	341						0
Miscellaneous	242	0	342				389		0
Contingency	243	68,700	343	250,000	363		390		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388		335,000
Coil Tubing			346	462,000					462,000
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Wellhead Equipment	405	75,000	505	22,000			531	3,000	100,000
Pumping Unit				0			506	98,000	98,000
Prime Mover				0			507		0
Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800			35,800
Flowlines					511	85,000			85,000
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Electrical System					513	60,000	533	20,000	80,000
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Couplings/Fittings/Valves	415	0			515	76,000			76,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				0
Pumps-Surface					521	6,250			6,250
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536		0
Meters/LACT					525	29,150			29,150
Flares/Combusters/Emission					526	15,000			15,000
Gas Lift/Compression			527	15,000	516	75,000	528		90,000
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TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000	13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **Advance Energy Partners, LLC**

By: _____

Printed Name: _____

Title: _____

Date: _____

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**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

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Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382	0	
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Water Disposal	239	0	339	60,000	362	135,000	387	195,000	
Plug to Abandon	240	0	340					0	
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Closed Loop & Environmental	244	330,000	344	5,000	364		388	335,000	
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Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800		35,800	
Flowlines					511	85,000		85,000	
Heater Treater/Separator					512	159,465		159,465	
Electrical System					513	60,000	533	20,000	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000	68,000
Couplings/Fittings/Valves	415	0			515	76,000		76,000	
Dehydration					517			0	
Injection Plant/CO2 Equipment					518			0	
Pumps-Surface					521	6,250		6,250	
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536	0	
Meters/LACT					525	29,150		29,150	
Flares/Combusters/Emission					526	15,000		15,000	
Gas Lift/Compression			527	15,000	516	75,000	528	90,000	
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% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
% Working Interest

By: PWS

Company: **Energen Resources Corporation**
By:

Printed Name:

Title:

Date:

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AUTHORITY FOR EXPENDITURE
DRILLING**

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SHL: **210 FNL & 920 FWL**

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OBJECTIVE: **DRILL AND COMPLETE**

FORMATION: **WOLFBONE POOL**

DEPTH: **22,600**

LEGAL: **SEC 30-31 T24S-R35E**

TVD: **12,790**

		<u>Drlg - Rig</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
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56%

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COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:

% Working Interest

By: PWS

Company: **Energex, LLC**

By: _____

Printed Name: _____

Title: _____

Date: _____

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**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
 SHL: 210 FNL & 920 FWL
 BHL: 200 FSL & 710 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: **BULLDOG 717008**
 STATE & COUNTY: **New Mexico, Lea**
 OBJECTIVE: **DRILL AND COMPLETE**
 DEPTH: **22,600**
 TVD: **12,790**

		<u>Drlg - Rig</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
		<u>Release(D)</u>	<u>Completion(C)</u>	<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
INTANGIBLE COSTS								
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	6,000			351			6,000
Location/Pits/Road Expense	205	120,000	305	10,000	352			161,000
Drilling / Completion Overhead	206	13,800	306					13,800
Turnkey Contract	207	0	307	1,397,000				1,397,000
Footage Contract	208	0	308	781,000				781,000
Daywork Contract	209	1,000,000	309	1,177,000				2,177,000
Directional Drilling Services	210	398,000	310	150,000				548,000
Fuel & Power	211	263,000	311	5,000	354		367	268,000
Water	212	60,000	312	855,000			368	915,000
Bits	213	133,200	313	4,500			369	137,700
Mud & Chemicals	214	275,000	314	25,000			370	300,000
Drill Stem Test	215	0	315					0
Coring & Analysis	216	0						0
Cement Surface	217	28,000						28,000
Cement Intermediate	218	75,000						75,000
Cement 2nd Intermediate/Production	219	115,000						115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371	0
Float Equipment & Centralizers	221	45,000						45,000
Casing Crews & Equipment	222	60,000						60,000
Fishing Tools & Service	223	0	323				372	0
Geologic/Engineering	224	0	324		355		373	0
Contract Labor	225	5,500	325	8,200	356	72,000	374	92,200
Company Supervision	226	82,800	326	15,000	357		375	97,800
Contract Supervision	227	151,000	327	204,000	358		376	360,000
Testing Casing/Tubing	228	20,000	328	10,000			377	30,000
Mud Logging Unit	229	52,000	329					52,000
Logging	230	0					378	0
Perforating/Wireline Services	231	4,000	331	515,000			379	519,000
Stimulation/Treating			332	397,000			380	397,000
Completion Unit			333	138,000			381	148,000
Swabbing Unit			334				382	0
Rentals-Surface	235	190,000	335	310,000	359		383	507,000
Rentals-Subsurface	236	150,000	336	55,000			384	205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	143,000
Welding Services	238	4,000	338	5,000	361		386	9,000
Water Disposal	239	0	339	60,000	362	135,000	387	195,000
Plug to Abandon	240	0	340					0
Seismic Analysis	241	0	341					0
Miscellaneous	242	0	342				389	0
Contingency	243	68,700	343	250,000	363		390	318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388	335,000
Coil Tubing			346	462,000				462,000
Flowback Crews & Equip			347	325,000				325,000
Offset Directional/Frac	248	0	348	48,000				48,000
TOTAL INTANGIBLES		3,790,000		7,231,700		238,000	31,500	11,291,200
TANGIBLE COSTS								
Surface Casing	401	73,000						73,000
Intermediate Casing	402	421,000						421,000
Production Casing/Liner	403	433,000						433,000
Tubing			504	47,300			530	57,300
Wellhead Equipment	405	75,000	505	22,000			531	100,000
Pumping Unit				0			506	98,000
Prime Mover				0			507	0
Rods				0			508	65,000
Pumps-Sub Surface (BH)			509				532	5,500
Tanks					510	35,800		35,800
Flowlines					511	85,000		85,000
Heater Treater/Separator					512	159,465		159,465
Electrical System					513	60,000	533	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	68,000
Couplings/Fittings/Valves	415	0			515	76,000		76,000
Dehydration					517			0
Injection Plant/CO2 Equipment					518			0
Pumps-Surface					521	6,250		6,250
Instrumentation/SCADA/POC					522		529	7,000
Miscellaneous	419	0	519		523		535	3,000
Contingency	420	0	520		524		536	0
Meters/LACT					525	29,150		29,150
Flares/Combusters/Emission					526	15,000		15,000
Gas Lift/Compression			527	15,000	516	75,000	528	90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665	213,500	1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665	245,000	13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **Chevron U. S. A. Inc.**

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
 SHL: 210 FNL & 920 FWL
 BHL: 200 FSL & 710 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: BULLDOG 717008
 STATE & COUNTY: New Mexico, Lea
 OBJECTIVE: DRILL AND COMPLETE
 DEPTH: 22,600
 TVD: 12,790

	<u>Drlg - Rig</u>		<u>Completion(C)</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
<u>INTANGIBLE COSTS</u>	<u>Release(D)</u>				<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
Title/Curative/Permit	201	11,000							11,000
Insurance	202	4,000	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	120,000	305	10,000	353	31,000	366		161,000
Drilling / Completion Overhead	206	13,800	306						13,800
Turnkey Contract	207	0	307	1,397,000					1,397,000
Footage Contract	208	0	308	781,000					781,000
Daywork Contract	209	1,000,000	309	1,177,000					2,177,000
Directional Drilling Services	210	398,000	310	150,000					548,000
Fuel & Power	211	263,000	311	5,000	354		367		268,000
Water	212	60,000	312	855,000			368		915,000
Bits	213	133,200	313	4,500			369		137,700
Mud & Chemicals	214	275,000	314	25,000			370		300,000
Drill Stem Test	215	0	315						0
Coring & Analysis	216	0							0
Cement Surface	217	28,000							28,000
Cement Intermediate	218	75,000							75,000
Cement 2nd Intermediate/Production	219	115,000							115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371		0
Float Equipment & Centralizers	221	45,000							45,000
Casing Crews & Equipment	222	60,000							60,000
Fishing Tools & Service	223	0	323				372		0
Geologic/Engineering	224	0	324		355		373		0
Contract Labor	225	5,500	325	8,200	356	72,000	374	6,500	92,200
Company Supervision	226	82,800	326	15,000	357		375		97,800
Contract Supervision	227	151,000	327	204,000	358		376	5,000	360,000
Testing Casing/Tubing	228	20,000	328	10,000			377		30,000
Mud Logging Unit	229	52,000	329						52,000
Logging	230	0					378		0
Perforating/Wireline Services	231	4,000	331	515,000			379		519,000
Stimulation/Treating			332	397,000			380		397,000
Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382		0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000	507,000
Rentals-Subsurface	236	150,000	336	55,000			384		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000	143,000
Welding Services	238	4,000	338	5,000	361		386		9,000
Water Disposal	239	0	339	60,000	362	135,000	387		195,000
Plug to Abandon	240	0	340						0
Seismic Analysis	241	0	341						0
Miscellaneous	242	0	342				389		0
Contingency	243	68,700	343	250,000	363		390		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388		335,000
Coil Tubing			346	462,000					462,000
Flowback Crews & Equip			347	325,000					325,000
Offset Directional/Frac	248	0	348	48,000					48,000
TOTAL INTANGIBLES		3,790,000		7,231,700		238,000		31,500	11,291,200
TANGIBLE COSTS									
Surface Casing	401	73,000							73,000
Intermediate Casing	402	421,000							421,000
Production Casing/Liner	403	433,000							433,000
Tubing			504	47,300			530	10,000	57,300
Wellhead Equipment	405	75,000	505	22,000			531	3,000	100,000
Pumping Unit				0			506	98,000	98,000
Prime Mover				0			507		0
Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800			35,800
Flowlines					511	85,000			85,000
Heater Treater/Separator					512	159,465			159,465
Electrical System					513	60,000	533	20,000	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000	68,000
Couplings/Fittings/Valves	415	0			515	76,000			76,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				0
Pumps-Surface					521	6,250			6,250
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536		0
Meters/LACT					525	29,150			29,150
Flares/Combusters/Emission					526	15,000			15,000
Gas Lift/Compression			527	15,000	516	75,000	528		90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665		213,500	1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000	13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **L. W. Kirby**

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: FASCINATOR FED COM 705H	PROSPECT NAME: BULLDOG 717008
SHL: 210 FNL & 920 FWL	STATE & COUNTY: New Mexico, Lea
BHL: 200 FSL & 710 FWL	OBJECTIVE: DRILL AND COMPLETE
FORMATION: WOLFBONE POOL	DEPTH: 22,600
LEGAL: SEC 30-31 T24S-R35E	TVD: 12,790

	<u>Drlg - Rig</u>		<u>Completion(C)</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
	<u>Release(D)</u>				<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
INTANGIBLE COSTS									
Title/Curative/Permit	201	11,000							11,000
Insurance	202	4,000	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	120,000	305	10,000	353	31,000	366		161,000
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Daywork Contract	209	1,000,000	309	1,177,000					2,177,000
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Bits	213	133,200	313	4,500			369		137,700
Mud & Chemicals	214	275,000	314	25,000			370		300,000
Drill Stem Test	215	0	315						0
Coring & Analysis	216	0							0
Cement Surface	217	28,000							28,000
Cement Intermediate	218	75,000							75,000
Cement 2nd Intermediate/Production	219	115,000							115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371		0
Float Equipment & Centralizers	221	45,000							45,000
Casing Crews & Equipment	222	60,000							60,000
Fishing Tools & Service	223	0	323				372		0
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Contract Labor	225	5,500	325	8,200	356	72,000	374	6,500	92,200
Company Supervision	226	82,800	326	15,000	357		375		97,800
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Testing Casing/Tubing	228	20,000	328	10,000			377		30,000
Mud Logging Unit	229	52,000	329						52,000
Logging	230	0					378		0
Perforating/Wireline Services	231	4,000	331	515,000			379		519,000
Stimulation/Treating			332	397,000			380		397,000
Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382		0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000	507,000
Rentals-Subsurface	236	150,000	336	55,000			384		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000	143,000
Welding Services	238	4,000	338	5,000	361		386		9,000
Water Disposal	239	0	339	60,000	362	135,000	387		195,000
Plug to Abandon	240	0	340						0
Seismic Analysis	241	0	341						0
Miscellaneous	242	0	342				389		0
Contingency	243	68,700	343	250,000	363		390		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388		335,000
Coil Tubing			346	462,000					462,000
Flowback Crews & Equip			347	325,000					325,000
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TOTAL INTANGIBLES		3,790,000		7,231,700		238,000		31,500	11,291,200
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Pumping Unit				0			506	98,000	98,000
Prime Mover				0			507		0
Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800			35,800
Flowlines					511	85,000			85,000
Heater Treater/Separator					512	159,465			159,465
Electrical System					513	60,000	533	20,000	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000	68,000
Couplings/Fittings/Valves	415	0			515	76,000			76,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				0
Pumps-Surface					521	6,250			6,250
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536		0
Meters/LACT					525	29,150			29,150
Flares/Combusters/Emission					526	15,000			15,000
Gas Lift/Compression			527	15,000	516	75,000	528		90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665		213,500	1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000	13,198,665
% of Total Well Cost				36%		56%		2%	

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **Barney L. Alsobrook**

By: _____

Printed Name: _____

Title: _____

Date: _____

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**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
 SHL: 210 FNL & 920 FWL
 BHL: 200 FSL & 710 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: **BULLDOG 717008**
 STATE & COUNTY: **New Mexico, Lea**
 OBJECTIVE: **DRILL AND COMPLETE**
 DEPTH: **22,600**
 TVD: **12,790**

	Drig - Rig Release(D)	Completion(C)	Tank Btty Constrctn(TB)	Pmpg Equipment(PEQ)	TOTAL
INTANGIBLE COSTS					
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Cement Squeeze & Other (Kickoff Plug)	220 0			371	0
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Casing Crews & Equipment	222 60,000				60,000
Fishing Tools & Service	223 0 323			372	0
Geologic/Engineering	224 0 324			373	0
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Mud Logging Unit	229 52,000 329				52,000
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Rentals-Surface	235 190,000 335	310,000 359		383 7,000	507,000
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Production Casing/Liner	403 433,000				433,000
Tubing		504 47,300		530 10,000	57,300
Wellhead Equipment	405 75,000 505	22,000		531 3,000	100,000
Pumping Unit		0		506 98,000	98,000
Prime Mover		0		507	0
Rods		0		508 65,000	65,000
Pumps-Sub Surface (BH)		509		532 5,500	5,500
Tanks			510 35,800		35,800
Flowlines			511 85,000		85,000
Heater Treater/Separator			512 159,465		159,465
Electrical System			513 60,000	533 20,000	80,000
Packers/Anchors/Hangers	414 0 514	66,000		534 2,000	68,000
Couplings/Fittings/Valves	415 0		515 76,000		76,000
Dehydration			517		0
Injection Plant/CO2 Equipment			518		0
Pumps-Surface			521 6,250		6,250
Instrumentation/SCADA/POC			522	529 7,000	7,000
Miscellaneous	419 0 519		523	535 3,000	3,000
Contingency	420 0 520		524	536	0
Meters/LACT			525 29,150		29,150
Flares/Combusters/Emission			526 15,000		15,000
Gas Lift/Compression		527 15,000	516 75,000	528	90,000
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% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____% Working Interest

By: PWS

Company: **Flatland Mineral Fund, LP**

By: _____

Printed Name: _____

Title: _____

Date: _____

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**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 705H**
 SHL: 210 FNL & 920 FWL
 BHL: 200 FSL & 710 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: BULLDOG 717008
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 OBJECTIVE: DRILL AND COMPLETE
 DEPTH: 22,600
 TVD: 12,790

		Drig - Rig Release(D)	Completion(C)	Tank Btty Constrctn(TB)	Pmpg Equipment(PEQ)	TOTAL
INTANGIBLE COSTS						
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	6,000		351		6,000
Location/Pits/Road Expense	205	120,000	305	10,000	353	31,000
Drilling / Completion Overhead	206	13,800	306			13,800
Turnkey Contract	207	0	307	1,397,000		1,397,000
Footage Contract	208	0	308	781,000		781,000
Daywork Contract	209	1,000,000	309	1,177,000		2,177,000
Directional Drilling Services	210	398,000	310	150,000		548,000
Fuel & Power	211	263,000	311	5,000	354	268,000
Water	212	60,000	312	855,000		915,000
Bits	213	133,200	313	4,500		137,700
Mud & Chemicals	214	275,000	314	25,000		300,000
Drill Stem Test	215	0	315			0
Coring & Analysis	216	0				0
Cement Surface	217	28,000				28,000
Cement Intermediate	218	75,000				75,000
Cement 2nd Intermediate/Production	219	115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220	0			371	0
Float Equipment & Centralizers	221	45,000				45,000
Casing Crews & Equipment	222	60,000				60,000
Fishing Tools & Service	223	0	323			0
Geologic/Engineering	224	0	324			0
Contract Labor	225	5,500	325	8,200	355	13,700
Company Supervision	226	82,800	326	15,000	356	97,800
Contract Supervision	227	151,000	327	204,000	357	355,000
Testing Casing/Tubing	228	20,000	328	10,000	358	30,000
Mud Logging Unit	229	52,000	329			52,000
Logging	230	0				0
Perforating/Wireline Services	231	4,000	331	515,000		519,000
Stimulation/Treating			332	397,000		397,000
Completion Unit			333	138,000		138,000
Swabbing Unit			334			0
Rentals-Surface	235	190,000	335	310,000	359	500,000
Rentals-Subsurface	236	150,000	336	55,000		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000		140,000
Welding Services	238	4,000	338	5,000		9,000
Water Disposal	239	0	339	60,000		60,000
Plug to Abandon	240	0	340			0
Seismic Analysis	241	0	341			0
Miscellaneous	242	0	342			0
Contingency	243	68,700	343	250,000		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364	335,000
Coil Tubing			346	462,000		462,000
Flowback Crews & Equip			347	325,000		325,000
Offset Directional/Frac	248	0	348	48,000		48,000
TOTAL INTANGIBLES		3,790,000		7,231,700		11,021,700
				238,000		31,500
						11,291,200
TANGIBLE COSTS						
Surface Casing	401	73,000				73,000
Intermediate Casing	402	421,000				421,000
Production Casing/Liner	403	433,000				433,000
Tubing			504	47,300		47,300
Wellhead Equipment	405	75,000	505	22,000		97,000
Pumping Unit				0	530	98,000
Prime Mover				0	507	0
Rods				0	508	65,000
Pumps-Sub Surface (BH)			509			5,500
Tanks				510		35,800
Flowlines				511		85,000
Heater Treater/Separator				512		159,465
Electrical System				513		60,000
Packers/Anchors/Hangers	414	0	514	66,000		66,000
Couplings/Fittings/Valves	415	0		515		76,000
Dehydration				517		0
Injection Plant/CO2 Equipment				518		0
Pumps-Surface				521		6,250
Instrumentation/SCADA/POC				522		7,000
Miscellaneous	419	0	519		535	3,000
Contingency	420	0	520			0
Meters/LACT				525		29,150
Flares/Combusters/Emission				526		15,000
Gas Lift/Compression			527	15,000	516	75,000
TOTAL TANGIBLES		1,002,000		150,300		1,152,300
TOTAL WELL COSTS		4,792,000		7,382,000		12,174,000
						245,000
						13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:

% Working Interest

By: PWS

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.

April 13, 2018

US Certified Mail No. 91 7199 9991 7038 1571 5342

Marathon Oil Permian LLC
5555 San Felipe St.
Houston, Texas 77056

Re: Well Proposal – Fascinator Federal Com 706H
Sec 30: Lots 1-4 - T24S-R35E
Sec 31: Lots 1-4 - T24S-R35E
SHL: 210' FNL/ 330' FWL, or a legal location in Sec 30 (Lot 1)
BHL: 200' FSL/ 330' FWL, or a legal location in Sec 31 (Lot 4)
Lea County, New Mexico

Dear Sir/Madam:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the Fascinator Federal Com 706H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,899' and a MD of approximately 22,700' to test the Wolfbone Pool ("Operation"). The total cost of the Operation is estimated to be \$13,198,665, 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 modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The Operating Agreement covers Sec 30: Lots 1-4 - T24S-R35E and Sec 31: Lots 1-4 - T24S-R35E. It has the following general provisions:

- 100/300 Non-Consenting Penalty
- \$7,000/\$700 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG proposes to acquire your interest via term assignment. It has the following general provisions:

- 3 year primary term
- Delivering a 75% NRI, proportionately reduced
- \$2,000 per net acre bonus consideration

The Term Assignment offer expires 5 p.m., Central Time, June 13, 2018, and it is subject to the approval of COG's 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.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 22
Submitted by: **COG OPERATING LLC**
Hearing Date: July 26, 2018
Case Nos. 16219 & 16220

If you have any questions, please contact the undersigned at (432) 685-2588 Mflanagan@concho.com.

Respectfully,

Megan L. Tipton

Megan Tipton
Landman

_____ I/We hereby elect to participate in the Fascinator Federal Com 706H.

_____ I/We hereby elect not to participate in the Fascinator Federal Com 706H.

Company: _____

By: _____

Name: _____

Title: _____

Date: _____

April 13, 2018

US Certified Mail No. 91 7199 9991 7038 1571 5465

Chevron U. S. A. Inc.
1400 Smith Street
Houston, TX 77002

Re: Well Proposal – Fascinator Federal Com 706H
Sec 30: Lots 1-4 - T24S-R35E
Sec 31: Lots 1-4 - T24S-R35E
SHL: 210' FNL/ 330' FWL, or a legal location in Sec 30 (Lot 1)
BHL: 200' FSL/ 330' FWL, or a legal location in Sec 31 (Lot 4)
Lea County, New Mexico

Dear Sir/Madam:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the Fascinator Federal Com 706H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 12,899' and a MD of approximately 22,700' to test the Wolfbone Pool ("Operation"). The total cost of the Operation is estimated to be \$13,198,665, 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 modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The Operating Agreement covers Sec 30: Lots 1-4 - T24S-R35E and Sec 31: Lots 1-4 - T24S-R35E. It has the following general provisions:

- 100/300 Non-Consenting Penalty
- \$7,000/\$700 Drilling and Producing Rate
- COG Operating LLC named as Operator

Please indicate your election in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG would like to lease your minerals under the following general terms:

- Bonus of \$2,000 /Net Mineral Acre
- 3 Year Primary Term
- 25% Royalty Interest

The Lease offer is subject to the approval of COG's 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 contact the undersigned at (432) 685-2588 Mflanagan@concho.com.

Respectfully,

Megan L. Tipton

Megan Tipton
Landman

_____ I/We hereby elect to participate in the Fascinator Federal Com 706H.

_____ I/We hereby elect not to participate in the Fascinator Federal Com 706H.

Company: _____

By: _____

Name: _____

Title: _____

Date: _____

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: FASCINATOR FED COM 706H
SHL: 210 FNL & 330 FWL
BHL: 200 FSL & 330 FWL
FORMATION: WOLFBONE POOL
LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: BULLDOG 717008
STATE & COUNTY: New Mexico, Lea
OBJECTIVE: DRILL AND COMPLETE
DEPTH: 22,700
TVD: 12,899

<u>INTANGIBLE COSTS</u>	<u>Drig - Rig Release(D)</u>	<u>Completion(C)</u>	<u>Tank Btty Constrctn(TB)</u>	<u>Pmpg Equipment(PEQ)</u>	<u>TOTAL</u>
Title/Curative/Permit	201 11,000				11,000
Insurance	202 4,000 302				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	205 120,000 305	10,000	353 31,000	366	161,000
Drilling / Completion Overhead	206 13,800 306				13,800
Turnkey Contract	207 0 307	1,397,000			1,397,000
Footage Contract	208 0 308	781,000			781,000
Daywork Contract	209 1,000,000 309	1,177,000			2,177,000
Directional Drilling Services	210 398,000 310	150,000			548,000
Fuel & Power	211 263,000 311	5,000	354	367	268,000
Water	212 60,000 312	855,000		368	915,000
Bits	213 133,200 313	4,500		369	137,700
Mud & Chemicals	214 275,000 314	25,000		370	300,000
Drill Stem Test	215 0 315				0
Coring & Analysis	216 0				0
Cement Surface	217 28,000				28,000
Cement Intermediate	218 75,000				75,000
Cement 2nd Intermediate/Production	219 115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220 0			371	0
Float Equipment & Centralizers	221 45,000				45,000
Casing Crews & Equipment	222 60,000				60,000
Fishing Tools & Service	223 0 323			372	0
Geologic/Engineering	224 0 324		355	373	0
Contract Labor	225 5,500 325	8,200	356 72,000	374 6,500	92,200
Company Supervision	226 82,800 326	15,000	357	375	97,800
Contract Supervision	227 151,000 327	204,000	358	376 5,000	360,000
Testing Casing/Tubing	228 20,000 328	10,000		377	30,000
Mud Logging Unit	229 52,000 329				52,000
Logging	230 0			378	0
Perforating/Wireline Services	231 4,000 331	515,000		379	519,000
Stimulation/Treating		332 397,000		380	397,000
Completion Unit		333 138,000		381 10,000	148,000
Swabbing Unit		334		382	0
Rentals-Surface	235 190,000 335	310,000	359	383 7,000	507,000
Rentals-Subsurface	236 150,000 336	55,000		384	205,000
Trucking/Forklift/Rig Mobilization	237 120,000 337	20,000	360	385 3,000	143,000
Welding Services	238 4,000 338	5,000	361	386	9,000
Water Disposal	239 0 339	60,000	362 135,000	387	195,000
Plug to Abandon	240 0 340				0
Seismic Analysis	241 0 341				0
Miscellaneous	242 0 342			389	0
Contingency	243 68,700 343	250,000	363	390	318,700
Closed Loop & Environmental	244 330,000 344	5,000	364	388	335,000
Coil Tubing		346 462,000			462,000
Flowback Crews & Equip		347 325,000			325,000
Offset Directional/Frac	248 0 348	48,000			48,000
TOTAL INTANGIBLES	3,790,000	7,231,700	238,000	31,500	11,291,200
TANGIBLE COSTS					
Surface Casing	401 73,000				73,000
Intermediate Casing	402 421,000				421,000
Production Casing/Liner	403 433,000				433,000
Tubing		504 47,300		530 10,000	57,300
Wellhead Equipment	405 75,000 505	22,000		531 3,000	100,000
Pumping Unit		0		506 98,000	98,000
Prime Mover		0		507	0
Rods		0		508 65,000	65,000
Pumps-Sub Surface (BH)		509		532 5,500	5,500
Tanks			510 35,800		35,800
Flowlines			511 85,000		85,000
Heater Treater/Separator			512 159,465		159,465
Electrical System			513 60,000	533 20,000	80,000
Packers/Anchors/Hangers	414 0 514	66,000		534 2,000	68,000
Couplings/Fittings/Valves	415 0		515 76,000		76,000
Dehydration			517		0
Injection Plant/CO2 Equipment			518		0
Pumps-Surface			521 6,250		6,250
Instrumentation/SCADA/POC			522	529 7,000	7,000
Miscellaneous	419 0 519		523	535 3,000	3,000
Contingency	420 0 520		524	536	0
Meters/LACT			525 29,150		29,150
Flares/Combusters/Emission			526 15,000		15,000
Gas Lift/Compression		527 15,000	516 75,000	528	90,000
TOTAL TANGIBLES	1,002,000	150,300	541,665	213,500	1,907,465
TOTAL WELL COSTS	4,792,000	7,382,000	779,665	245,000	13,198,665

% of Total Well Cost 36% 56% 6% 2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____ % Working Interest

By: PWS

Company: **Advance Energy Partners, LLC**

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: FASCINATOR FED COM 706H	PROSPECT NAME: BULLDOG 717008
SHL: 210 FNL & 330 FWL	STATE & COUNTY: New Mexico, Lea
BHL: 200 FSL & 330 FWL	OBJECTIVE: DRILL AND COMPLETE
FORMATION: WOLFBONE POOL	DEPTH: 22,700
LEGAL: SEC 30-31 T24S-R35E	TVD: 12,899

INTANGIBLE COSTS		Drig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)		TOTAL
Title/Curative/Permit	201	11,000								11,000
Insurance	202	4,000	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	120,000	305	10,000	353	31,000	366			161,000
Drilling / Completion Overhead	206	13,800	306							13,800
Turnkey Contract	207	0	307	1,397,000						1,397,000
Footage Contract	208	0	308	781,000						781,000
Daywork Contract	209	1,000,000	309	1,177,000						2,177,000
Directional Drilling Services	210	398,000	310	150,000						548,000
Fuel & Power	211	263,000	311	5,000	354		367			268,000
Water	212	60,000	312	855,000			368			915,000
Bits	213	133,200	313	4,500			369			137,700
Mud & Chemicals	214	275,000	314	25,000			370			300,000
Drill Stem Test	215	0	315							0
Coring & Analysis	216	0								0
Cement Surface	217	28,000								28,000
Cement Intermediate	218	75,000								75,000
Cement 2nd Intermediate/Production	219	115,000								115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371			0
Float Equipment & Centralizers	221	45,000								45,000
Casing Crews & Equipment	222	60,000								60,000
Fishing Tools & Service	223	0	323				372			0
Geologic/Engineering	224	0	324		355		373			0
Contract Labor	225	5,500	325	8,200	356	72,000	374	6,500		92,200
Company Supervision	226	82,800	326	15,000	357		375			97,800
Contract Supervision	227	151,000	327	204,000	358		376	5,000		360,000
Testing Casing/Tubing	228	20,000	328	10,000			377			30,000
Mud Logging Unit	229	52,000	329							52,000
Logging	230	0					378			0
Perforating/Wireline Services	231	4,000	331	515,000			379			519,000
Stimulation/Treating			332	397,000			380			397,000
Completion Unit			333	138,000			381	10,000		148,000
Swabbing Unit			334				382			0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000		507,000
Rentals-Subsurface	236	150,000	336	55,000			384			205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000		143,000
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Water Disposal	239	0	339	60,000	362	135,000	387			195,000
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Seismic Analysis	241	0	341							0
Miscellaneous	242	0	342				389			0
Contingency	243	68,700	343	250,000	363		390			318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388			335,000
Coil Tubing			346	462,000						462,000
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TANGIBLE COSTS										
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Intermediate Casing	402	421,000								421,000
Production Casing/Liner	403	433,000								433,000
Tubing			504	47,300			530	10,000		57,300
Wellhead Equipment	405	75,000	505	22,000			531	3,000		100,000
Pumping Unit				0			506	98,000		98,000
Prime Mover				0			507			0
Rods				0			508	65,000		65,000
Pumps-Sub Surface (BH)			509				532	5,500		5,500
Tanks					510	35,800				35,800
Flowlines					511	85,000				85,000
Heater Treater/Separator					512	159,465				159,465
Electrical System					513	60,000	533	20,000		80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000		68,000
Couplings/Fittings/Valves	415	0			515	76,000				76,000
Dehydration					517					0
Injection Plant/CO2 Equipment					518					0
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Instrumentation/SCADA/POC					522		529	7,000		7,000
Miscellaneous	419	0	519		523		535	3,000		3,000
Contingency	420	0	520		524		536			0
Meters/LACT					525	29,150				29,150
Flares/Combusters/Emission					526	15,000				15,000
Gas Lift/Compression			527	15,000	516	75,000	528			90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665		213,500		1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000		13,198,665

% of Total Well Cost 36% 56% 6% 2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve: _____
% Working Interest

By: PWS _____

Company: Scratch Properties, LLC
By: _____

Printed Name: _____
Title: _____
Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 706H**

PROSPECT NAME: **BULLDOG 717008**

SHL: **210 FNL & 330 FWL**

STATE & COUNTY: **New Mexico, Lea**

BHL: **200 FSL & 330 FWL**

OBJECTIVE: **DRILL AND COMPLETE**

FORMATION: **WOLFBONE POOL**

DEPTH: **22,700**

LEGAL: **SEC 30-31 T24S-R35E**

TVD: **12,899**

	<u>Drlg - Rig</u>		<u>Completion(C)</u>		<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
	<u>Release(D)</u>				<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
Title/Curative/Permit	201	11,000							11,000
Insurance	202	4,000	302						4,000
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Turnkey Contract	207	0	307	1,397,000					1,397,000
Footage Contract	208	0	308	781,000					781,000
Daywork Contract	209	1,000,000	309	1,177,000					2,177,000
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Testing Casing/Tubing	228	20,000	328	10,000			377		30,000
Mud Logging Unit	229	52,000	329						52,000
Logging	230	0					378		0
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Stimulation/Treating			332	397,000			380		397,000
Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382		0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000	507,000
Rentals-Subsurface	236	150,000	336	55,000			384		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000	143,000
Welding Services	238	4,000	338	5,000	361		386		9,000
Water Disposal	239	0	339	60,000	362	135,000	387		195,000
Plug to Abandon	240	0	340						0
Seismic Analysis	241	0	341						0
Miscellaneous	242	0	342				389		0
Contingency	243	68,700	343	250,000	363		390		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388		335,000
Coil Tubing			346	462,000					462,000
Flowback Crews & Equip			347	325,000					325,000
Offset Directional/Frac	248	0	348	48,000					48,000
TOTAL INTANGIBLES		3,790,000		7,231,700		238,000		31,500	11,291,200

TANGIBLE COSTS									
Surface Casing	401	73,000							73,000
Intermediate Casing	402	421,000							421,000
Production Casing/Liner	403	433,000							433,000
Tubing			504	47,300			530	10,000	57,300
Wellhead Equipment	405	75,000	505	22,000			531	3,000	100,000
Pumping Unit				0			506	98,000	98,000
Prime Mover				0			507		0
Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800			35,800
Flowlines					511	85,000			85,000
Heater Treater/Separator					512	159,465			159,465
Electrical System					513	60,000	533	20,000	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000	68,000
Couplings/Fittings/Valves	415	0			515	76,000			76,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				0
Pumps-Surface					521	6,250			6,250
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536		0
Meters/LACT					525	29,150			29,150
Flares/Combusters/Emission					526	15,000			15,000
Gas Lift/Compression			527	15,000	516	75,000	528		90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665		213,500	1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000	13,198,665

% of Total Well Cost

36%

56%

6%

2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve:
_____ % Working Interest

By: PWS

Company: **Energen Resources Corporation**

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: FASCINATOR FED COM 706H	PROSPECT NAME: BULLDOG 717008
SHL: 210 FNL & 330 FWL	STATE & COUNTY: New Mexico, Lea
BHL: 200 FSL & 330 FWL	OBJECTIVE: DRILL AND COMPLETE
FORMATION: WOLFBONE POOL	DEPTH: 22,700
LEGAL: SEC 30-31 T24S-R35E	TVD: 12,899

	Drlg - Rig Release(D)	Completion(C)	Tank Btty Constrctn(TB)	Pmpg Equipment(PEQ)	TOTAL
INTANGIBLE COSTS					
Title/Curative/Permit	201 11,000				11,000
Insurance	202 4,000	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	205 120,000	305 10,000	353 31,000	366	161,000
Drilling / Completion Overhead	206 13,800	306			13,800
Turnkey Contract	207 0	307 1,397,000			1,397,000
Footage Contract	208 0	308 781,000			781,000
Daywork Contract	209 1,000,000	309 1,177,000			2,177,000
Directional Drilling Services	210 398,000	310 150,000			548,000
Fuel & Power	211 263,000	311 5,000	354	367	268,000
Water	212 60,000	312 855,000		368	915,000
Bits	213 133,200	313 4,500		369	137,700
Mud & Chemicals	214 275,000	314 25,000		370	300,000
Drill Stem Test	215 0	315			0
Coring & Analysis	216 0				0
Cement Surface	217 28,000				28,000
Cement Intermediate	218 75,000				75,000
Cement 2nd Intermediate/Production	219 115,000				115,000
Cement Squeeze & Other (Kickoff Plug)	220 0			371	0
Float Equipment & Centralizers	221 45,000				45,000
Casing Crews & Equipment	222 60,000				60,000
Fishing Tools & Service	223 0	323		372	0
Geologic/Engineering	224 0	324	355	373	0
Contract Labor	225 5,500	325 8,200	356 72,000	374 6,500	92,200
Company Supervision	226 82,800	326 15,000	357	375	97,800
Contract Supervision	227 151,000	327 204,000	358	376 5,000	360,000
Testing Casing/Tubing	228 20,000	328 10,000		377	30,000
Mud Logging Unit	229 52,000	329			52,000
Logging	230 0			378	0
Perforating/Wireline Services	231 4,000	331 515,000		379	519,000
Stimulation/Treating		332 397,000		380	397,000
Completion Unit		333 138,000		381 10,000	148,000
Swabbing Unit		334		382	0
Rentals-Surface	235 190,000	335 310,000	359	383 7,000	507,000
Rentals-Subsurface	236 150,000	336 55,000		384	205,000
Trucking/Forklift/Rig Mobilization	237 120,000	337 20,000	360	385 3,000	143,000
Welding Services	238 4,000	338 5,000	361	386	9,000
Water Disposal	239 0	339 60,000	362 135,000	387	195,000
Plug to Abandon	240 0	340			0
Seismic Analysis	241 0	341			0
Miscellaneous	242 0	342		389	0
Contingency	243 68,700	343 250,000	363	390	318,700
Closed Loop & Environmental	244 330,000	344 5,000	364	388	335,000
Coil Tubing		346 462,000			462,000
Flowback Crews & Equip		347 325,000			325,000
Offset Directional/Frac	248 0	348 48,000			48,000
TOTAL INTANGIBLES	3,790,000	7,231,700	238,000	31,500	11,291,200
TANGIBLE COSTS					
Surface Casing	401 73,000				73,000
Intermediate Casing	402 421,000				421,000
Production Casing/Liner	403 433,000				433,000
Tubing		504 47,300		530 10,000	57,300
Wellhead Equipment	405 75,000	505 22,000		531 3,000	100,000
Pumping Unit				506 98,000	98,000
Prime Mover				507	0
Rods				508 65,000	65,000
Pumps-Sub Surface (BH)		509		532 5,500	5,500
Tanks			510 35,800		35,800
Flowlines			511 85,000		85,000
Heater Treater/Separator			512 159,465		159,465
Electrical System			513 60,000	533 20,000	80,000
Packers/Anchors/Hangers	414 0	514 68,000		534 2,000	68,000
Couplings/Fittings/Valves	415 0		515 76,000		76,000
Dehydration			517		0
Injection Plant/CO2 Equipment			518		0
Pumps-Surface			521 6,250		6,250
Instrumentation/SCADA/POC			522	529 7,000	7,000
Miscellaneous	419 0	519	523	535 3,000	3,000
Contingency	420 0	520	524	536	0
Meters/LACT			525 29,150		29,150
Flares/Combusters/Emission			526 15,000		15,000
Gas Lift/Compression		527 15,000	516 75,000	528	90,000
TOTAL TANGIBLES	1,002,000	150,300	541,665	213,500	1,907,465
TOTAL WELL COSTS	4,792,000	7,382,000	779,665	245,000	13,198,665

% of Total Well Cost 36% 56% 6% 2%

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve: _____
% Working Interest

By: PWS _____

Company: Energex, LLC

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: **FASCINATOR FED COM 706H**
 SHL: 210 FNL & 330 FWL
 BHL: 200 FSL & 330 FWL
 FORMATION: WOLFBONE POOL
 LEGAL: SEC 30-31 T24S-R35E

PROSPECT NAME: BULLDOG 717008
 STATE & COUNTY: New Mexico, Lea
 OBJECTIVE: DRILL AND COMPLETE
 DEPTH: 22,700
 TVD: 12,899

		<u>Drlg - Rig</u>			<u>Tank Btty</u>		<u>Pmpg</u>		<u>TOTAL</u>
		<u>Release(D)</u>		<u>Completion(C)</u>	<u>Constrctn(TB)</u>		<u>Equipment(PEQ)</u>		
Title/Curative/Permit	201	11,000							11,000
Insurance	202	4,000	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	120,000	305	10,000	353	31,000	366		161,000
Drilling / Completion Overhead	206	13,800	306						13,800
Turnkey Contract	207	0	307	1,397,000					1,397,000
Footage Contract	208	0	308	781,000					781,000
Daywork Contract	209	1,000,000	309	1,177,000					2,177,000
Directional Drilling Services	210	398,000	310	150,000					548,000
Fuel & Power	211	263,000	311	5,000	354		367		268,000
Water	212	60,000	312	855,000			368		915,000
Bits	213	133,200	313	4,500			369		137,700
Mud & Chemicals	214	275,000	314	25,000			370		300,000
Drill Stem Test	215	0	315						0
Coring & Analysis	216	0							0
Cement Surface	217	28,000							28,000
Cement Intermediate	218	75,000							75,000
Cement 2nd Intermediate/Production	219	115,000							115,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371		0
Float Equipment & Centralizers	221	45,000							45,000
Casing Crews & Equipment	222	60,000							60,000
Fishing Tools & Service	223	0	323				372		0
Geologic/Engineering	224	0	324		355		373		0
Contract Labor	225	5,500	325	8,200	356	72,000	374	6,500	92,200
Company Supervision	226	82,800	326	15,000	357		375		97,800
Contract Supervision	227	151,000	327	204,000	358		376	5,000	360,000
Testing Casing/Tubing	228	20,000	328	10,000			377		30,000
Mud Logging Unit	229	52,000	329						52,000
Logging	230	0					378		0
Perforating/Wireline Services	231	4,000	331	515,000			379		519,000
Stimulation/Treating			332	397,000			380		397,000
Completion Unit			333	138,000			381	10,000	148,000
Swabbing Unit			334				382		0
Rentals-Surface	235	190,000	335	310,000	359		383	7,000	507,000
Rentals-Subsurface	236	150,000	336	55,000			384		205,000
Trucking/Forklift/Rig Mobilization	237	120,000	337	20,000	360		385	3,000	143,000
Welding Services	238	4,000	338	5,000	361		386		9,000
Water Disposal	239	0	339	60,000	362	135,000	387		195,000
Plug to Abandon	240	0	340						0
Seismic Analysis	241	0	341						0
Miscellaneous	242	0	342				389		0
Contingency	243	68,700	343	250,000	363		390		318,700
Closed Loop & Environmental	244	330,000	344	5,000	364		388		335,000
Coil Tubing			346	462,000					462,000
Flowback Crews & Equip			347	325,000					325,000
Offset Directional/Frac	248	0	348	48,000					48,000
TOTAL INTANGIBLES		3,790,000		7,231,700		238,000		31,500	11,291,200
TANGIBLE COSTS									
Surface Casing	401	73,000							73,000
Intermediate Casing	402	421,000							421,000
Production Casing/Liner	403	433,000							433,000
Tubing			504	47,300			530	10,000	57,300
Wellhead Equipment	405	75,000	505	22,000			531	3,000	100,000
Pumping Unit				0			506	98,000	98,000
Prime Mover				0			507		0
Rods				0			508	65,000	65,000
Pumps-Sub Surface (BH)			509				532	5,500	5,500
Tanks					510	35,800			35,800
Flowlines					511	85,000			85,000
Heater Treater/Separator					512	159,465			159,465
Electrical System					513	60,000	533	20,000	80,000
Packers/Anchors/Hangers	414	0	514	66,000			534	2,000	68,000
Couplings/Fittings/Valves	415	0			515	76,000			76,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				0
Pumps-Surface					521	6,250			6,250
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419	0	519		523		535	3,000	3,000
Contingency	420	0	520		524		536		0
Meters/LACT					525	29,150			29,150
Flares/Combusters/Emission					526	15,000			15,000
Gas Lift/Compression			527	15,000	516	75,000	528		90,000
TOTAL TANGIBLES		1,002,000		150,300		541,665		213,500	1,907,465
TOTAL WELL COSTS		4,792,000		7,382,000		779,665		245,000	13,198,665

% of Total Well Cost **36%** **56%** **6%** **2%**

COG Operating LLC

Date Prepared: 3/27/2018 for proposal

COG Operating LLC

We approve: _____
 % Working Interest

By: PWS _____

Company: **Chevron U. S. A. Inc.**

By: _____

Printed Name: _____

Title: _____

Date: _____

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

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC
FOR A NON-STANDARD SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.**

CASE NOS. 16219, 16220

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Julia Broggi, attorney in fact and authorized representative of COG Operating LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.



Julia Broggi

SUBSCRIBED AND SWORN to before me this 25th day of July, 2018 by Julia Broggi.



Notary Public
My Commission Expires: August 26, 2021
1127353_1



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 23
Submitted by: **COG OPERATING LLC**
Hearing Date: July 26, 2018
Case Nos. 16219 & 16220



May 25, 2018

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

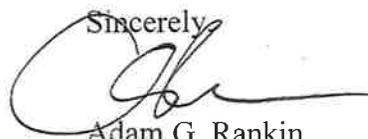
Re: Application of COG Operating LLC for a non-standard spacing and proration unit and compulsory pooling, Lea County, New Mexico.
Fascinator Fed Com No. 601H Well
Fascinator Fed Com No. 602H Well
Fascinator Fed Com No. 701H Well
Fascinator Fed Com No. 702H Well
Fascinator Fed Com No. 703H Well

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application will be set for hearing before a Division Examiner at 8:15 a.m. on June 14, 2018. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices, located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter please contact Megan Tipton at (432) 685-2588 or MTipton@concho.com.

Sincerely


Adam G. Rankin
ATTORNEY FOR COG OPERATING LLC

Holland & Hart LLP

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ♻️



Shipment Confirmation Acceptance Notice

A. Mailer Action

Note to Mailer: The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

COG - Fascinator 601H 602H 603H 701H 702H 703H Wells
CM#51500.0010 20180525
Offset List

Shipment Date: 05/23/2018

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	17
Total	17

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

Note to RSS Clerk:

1. Home screen > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0008 5735 98



Firm Mailing Book For Accountable Mail

Name and Address of Sender
Holland & Hart LLP
110 N Guadalupe St # 1
Santa Fe NM 87501

Check type of mail or service
 Adult Signature Required
 Adult Signature Restricted Delivery
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery (COD)
 Insured Mail
 Priority Mail
 Priority Mail Express
 Registered Mail
 Return Receipt for Merchandise
 Signature Confirmation
 Signature Confirmation Restricted Delivery

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(if issued as an international certificate of mailing or for additional copies of this receipt).
Postmark with Date of Receipt.

USPS Tracking/Article Number	Postage (Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1. 9214 8901 9403 8306 3768 56	1.21								1.50			
GOG Production LLC Attn: Megan Tipton 1CC-6 600 W Illinois Ave Midland TX 79701												
2. 9214 8901 9403 8306 3768 63	1.21								1.50			
Marathon Oil Permian LLC 5555 San Felipe St Houston TX 77056												
3. 9214 8901 9403 8306 3768 70	1.21								1.50			
Energex LLC 4873 Rainree Circle Parker CO 80134												
4. 9214 8901 9403 8306 3768 87	1.21								1.50			
Chevron U.S.A. Inc 1400 Smith Street Houston TX 77002												
5. 9214 8901 9403 8306 3768 94	1.21								1.50			
Burlington Resources Oil & Gas Company LP 600 N Dairy Ashford Rd Houston TX 77079												
6. 9214 8901 9403 8306 3769 00	1.21								1.50			
Chisos Minerals LLC 1111 Bagby St Suite 2150 Houston TX 77002												
7. 9214 8901 9403 8306 3769 17	1.21								1.50			
Katherine Woltz Aven 204 Ash St Plainview TX 79072												
8. 9214 8901 9403 8306 3769 24	1.21								1.50			
Katherine Woltz Aven c/o Brady & Hamilton LLP 1602 13th St Lubbock TX 79401												
Total Number of Pieces Listed by Sender	Postmaster, Per (Name of receiving employee)											
17												

Total Number of Pieces Received at Post Office
17



Firm Mailing Book For Accountable Mail

Name and Address of Sender
Holland & Hart LLP
110 N Guadalupe St # 1
Santa Fe NM 87501

- Check type of mail or service
- Adult Signature Required
 - Priority Mail Express
 - Adult Signature Restricted Delivery
 - Registered Mail
 - Certified Mail
 - Return Receipt for Merchandise
 - Certified Mail Restricted Delivery
 - Signature Confirmation
 - Collect on Delivery (COD)
 - Signature Confirmation
 - Insured Mail
 - Signature Confirmation Restricted Delivery
 - Priority Mail

Affix Stamp Here
(if issued as an international certificate of mailing or for additional copies of this receipt).
Postmark with Date of Receipt.

USPS Tracking/Article Number	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
9. 9214 8901 9403 8306 3769 31	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) Energen Resources Corporation 605 Richard Arrington Jr Blvd N Birmingham AL 35203													
10. 9214 8901 9403 8306 3769 48	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) OneEnergy Partners Operating LLC 2929 Allen Parkway Suite 200 Houston TX 77018													
11. 9214 8901 9403 8306 3769 55	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) Tilden Capital Minerals LLC PO BOX 470857 Ft Worth TX 76147													
12. 9214 8901 9403 8306 3769 62	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) GGM Exploration Inc PO BOX 123610 Ft Worth TX 76147													
13. 9214 8901 9403 8306 3769 79	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) TD Minerals LLC 8111 Westchester Suite 900 Dallas TX 75225													
14. 9214 8901 9403 8306 3769 86	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) Resonance Resources LLC 9337B Katy Freeway Suite 315 Houston TX 77024													
15. 9214 8901 9403 8306 3769 93	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) COG Operating LLC 600 W Illinois Ave Midland TX 79701													
16. 9214 8901 9403 8306 3770 06	1.21	3.45								1.50			
Addressee (Name, Street, City, State & ZIP Code™) Advanced Energy Partners 11490 Westheimer Road Suite 950 Houston TX 77077													
Total Number of Pieces Listed by Sender	Postmaster, Per (Name of receiving employee)												
17													

Total Number of Pieces Received at Post Office
17



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Holland & Hart LLP

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Mail Pieces

Filter:

Barcode	Recipient	Status	DL	Custom
9214 8901 9403 83063770 13	OXY USA Inc 5 Greenway Plaza Suite 110 Houston TX 77046	In-Transit	No	
9214 8901 9403 83063770 06	Advanced Energy Partners 11490 Westheimer Road Suite 950 Houston TX 77077	Delivered Signature Received	No	
9214 8901 9403 83063769 93	COG Operating LLC 600 W Illinois Ave Midland TX 79701	Delivered Signature Received	No	
9214 8901 9403 83063769 86	Resonance Resources LLC 9337B Katy Freeway Suite 315 Houston TX 77024	Delivered Signature Received	No	
9214 8901 9403 83063769 79	TD Minerals LLC 8111 Westchester Suite 900 Dallas TX 75225	In-Transit	No	
9214 8901 9403 83063769 62	GGM Exploration Inc PO BOX 123610 Ft Worth TX 76147	In-Transit	No	
9214 8901 9403 83063769 55	Tilden Capital Minerals LLC PO BOX 470857 Ft Worth TX 76147	Delivered Signature Received	No	
9214 8901 9403 83063769 48	OneEnergy Partners Operating LLC 2929 Allen Parkway Suite 200 Houston TX 77019	Delivered Signature Received	No	
9214 8901 9403 83063769 31	Energen Resources Corporation 605 Richard Arrington Jr Blvd N Birmingham AL 35203	Delivered Signature Received	No	
9214 8901 9403 83063769 24	Katherine Woltz Aven c/o Brady & Hamilton LLP 1602 13th St Lubbock TX 79401	Delivered Signature Received	No	
9214 8901 9403 83063769 17	Katherine Woltz Aven 204 Ash St Plainview TX 79072	Delivered Signature Received	No	
9214 8901 9403 83063769 00	Chisos Minerals LLC 1111 Bagby St Suite 2150 Houston TX 77002	Delivered Signature Received	No	
9214 8901 9403 83063768 94	Burlington Resources Oil & Gas Company LP 600 N Dairy Ashford Rd Houston TX 77079	Delivered Signature Received	No	
9214 8901 9403 83063768 87	Chevron U S A Inc 1400 Smith Street Houston TX 77002	Delivered Signature Received	No	
9214 8901 9403 83063768 70	Energex LLC 4873 Raintree Circle Parker CO 80134	Delivered Signature Received	No	
9214 8901 9403 83063768 63			No	

Barcode	Recipient	Status	DL	Custom
9214 8901 9403 8306 3768 56	Marathon Oil Permian LLC	Delivered		
	5555 San Felipe St	Signature		
	Houston TX 77056	Received		
	GOG Production LLC Attn: Megan	Delivered		
	Tipton 1CC-8	Signature	No	
	600 W Illinois Ave	Received		
	Midland TX 79701			

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Recipient

OXY USA Inc
5 Greenway Plaza Suite 110
Houston TX 77046

Date & Time	Event	Event Location
05/30/2018 23:05	DELIVERY STATUS NOT UPDATED	HOUSTON, TX, 77046
05/30/2018 09:05	OUT FOR DELIVERY	HOUSTON, TX, 77046
05/30/2018 08:55	SORTING/PROCESSING COMPLETE	HOUSTON, TX, 77046
05/30/2018 08:09	ARRIVAL AT UNIT	HOUSTON, TX, 77027
05/25/2018 14:56	SHIPMENT RECEIVED ACCEPTANCE PENDING	SANTA FE, NM, 87501
05/23/2018 10:04	PRE-SHIPMENT INFO SENT USPS AWAITS ITEM	SANTA FE, NM, 87501



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Recipient

TD Minerals LLC
8111 Westchester Suite 900
Dallas TX 75225

Date & Time	Event	Event Location
05/25/2018 14:56	SHIPMENT RECEIVED ACCEPTANCE PENDING	SANTA FE,NM, 87501
05/23/2018 10:04	PRE-SHIPMENT INFO SENT USPS AWAITS ITEM	SANTA FE,NM, 87501



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Recipient

GGM Exploration Inc
PO BOX 123610
Ft Worth TX 76147

Date & Time	Event	Event Location
06/07/2018 23:51	DELIVERY STATUS NOT UPDATED	SANTA FE,NM, 87501
06/07/2018 09:51	OUT FOR DELIVERY	SANTA FE,NM, 87501
06/07/2018 09:41	SORTING/PROCESSING COMPLETE	SANTA FE,NM, 87501
06/06/2018 11:17	ARRIVAL AT UNIT	SANTA FE,NM, 87501
06/02/2018 22:01	DEPART USPS FACILITY	ALBUQUERQUE,NM, 87101
06/02/2018 15:00	PROCESSED THROUGH USPS FACILITY	ALBUQUERQUE,NM, 87101
05/31/2018 22:02	DEPART USPS FACILITY	COPPELL,TX, 75099
05/31/2018 06:10	PROCESSED THROUGH USPS FACILITY	COPPELL,TX, 75099
05/29/2018 10:56	NO SUCH NUMBER	FORT WORTH,TX, 76147
05/29/2018 10:53	ARRIVAL AT UNIT	FORT WORTH,TX, 76107
05/25/2018 14:56	SHIPMENT RECEIVED ACCEPTANCE PENDING	SANTA FE,NM, 87501
05/23/2018 10:04	PRE-SHIPMENT INFO SENT USPS AWAITS ITEM	SANTA FE,NM, 87501



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Shipment Confirmation Acceptance Notice

A. Mailer Action

Note to Mailer: The labels and volume associated to this form online, **must** match the labeled packages being presented to the USPS® employee with this form.

COG - Fascinator 601H 602H 603H 701H 702H 703H Wells
CM#51500.0010 20180525
PP List

Shipment Date: 05/23/2018

Shipped From:

Name: HOLLAND & HART LLP

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®*	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	15
Total	15

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

Note to RSS Clerk:

1. Home screen > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail.
Leave form with customer or in customer's mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0008 5740 76



Name and Address of Sender
Holland & Hart LLP
110 N Guadalupe St # 1
Santa Fe NM 87501

Check type of mail or service
 Adult Signature Required
 Adult Signature Restricted Delivery
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 Certified Mail Restricted Delivery
 Collect on Delivery (COD)
 Insured Mail
 Priority Mail
 Priority Mail Express
 Registered Mail
 Return Receipt for Merchandise
 Signature Confirmation
 Signature Confirmation Restricted Delivery

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Postmark with Date of Receipt.

USPS Tracking/Article Number	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1. 9214 8901 9403 8306 3780 58	1.21	3.45							1.50				
Scratch Properties LLC PO BOX 1287 Artesia NM 88211													
2. 9214 8901 9403 8306 3780 65	1.21	3.45							1.50				
The Estate of Jamie Ann Medlin Billington decd 4433 S Lipscomb Amarillo TX 79110													
3. 9214 8901 9403 8306 3780 72	1.21	3.45							1.50				
The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Scott Mason 20765 Oasis Ave Peyton CO 80831													
4. 9214 8901 9403 8306 3780 89	1.21	3.45							1.50				
The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Scott Mason 6421 Turret Drive Colorado Springs CO 80918													
5. 9214 8901 9403 8306 3780 96	1.21	3.45							1.50				
The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Bruce Mason 3905 Oneal Street Greenville TX 75401													
6. 9214 8901 9403 8306 3781 02	1.21	3.45							1.50				
Charlotte Garza 324 Heneretta Drive Hurst TX 76054													
7. 9214 8901 9403 8306 3781 19	1.21	3.45							1.50				
Robert Enfield Rev Trust c/o Wells Fargo Bank SAO PO BOX 41778 Austin TX 78704													
8. 9214 8901 9403 8306 3781 26	1.21	3.45							1.50				
Mona Enfield 28 Camino Putillo Lamy NM 87540													
Total Number of Pieces Listed by Sender	Postmaster, Per (Name of receiving employee)												
15													

Total Number of Pieces Received at Post Office



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Name and Address of Sender

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Santa Fe NM 87501

Check type of mail or service

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- Adult Signature Restricted Delivery
- Certified Mail
- Certified Mail Restricted Delivery
- Collect on Delivery (COD)
- Insured Mail
- Priority Mail
- Priority Mail Express
- Registered Mail
- Return Receipt for Merchandise
- Signature Confirmation
- Signature Confirmation Restricted Delivery

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9. 9214 8901 9403 8306 3781 33	1.21	3.45								1.50			
10. 9214 8901 9403 8306 3781 40	1.21	3.45								1.50			
11. 9214 8901 9403 8306 3781 57	1.21	3.45								1.50			
12. 9214 8901 9403 8306 3781 64	1.21	3.45	Handling Charge - if Registered and over \$50,000 in value				Adult Signature Required	Adult Signature Restricted Delivery	Restricted Delivery	Return Receipt	Signature Confirmation	Signature Confirmation Restricted Delivery	Special Handling
13. 9214 8901 9403 8306 3781 71	1.21	3.45								1.50			
14. 9214 8901 9403 8306 3781 88	1.21	3.45								1.50			
15. 9214 8901 9403 8306 3781 95	1.21	3.45								1.50			
<p>Total Number of Pieces Listed by Sender: 15</p> <p>Total Number of Pieces Received at Post Office: 15</p>													
<p>Postmaster, Per (Name of receiving employee)</p>													

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9214 8901 9403 83063781 95	Robert Landreth 110 W Louisiana Suite 404 Midland TX 79701	Delivered Signature Received	No	
9214 8901 9403 83063781 88	SAP LLC 4901 Whitney Lane Roswell NM 88203	Delivered Signature Received	No	
9214 8901 9403 83063781 71	Thomas Deason 6402 CR 7420 Lubbock TX 79424	In-Transit	No	
9214 8901 9403 83063781 64	Richard Deason 1301 N Havenhurst #217 West Hollywood CA 90046	Delivered Signature Received	No	
9214 8901 9403 83063781 57	DMA Inc PO BOX 1496 Roswell NM 88202	Delivered Signature Received	No	
9214 8901 9403 83063781 40	Howard Rubin Inc PO BOX 51933 Midland TX 79710	Delivered Signature Received	No	
9214 8901 9403 83063781 33	Jerune Allen PO BOX 1207 Mesilla Park NM 88047	Return To Sender Signature Received	No	
9214 8901 9403 83063781 26	Mona Enfield 28 Camino Patrillo Lamy NM 87540	Delivered Signature Received	No	
9214 8901 9403 83063781 19	Robert Enfield Rev Trust c/o Wells Fargo Bank SAO PO BOX 41779 Austin TX 78704	Delivered Signature Received	No	
9214 8901 9403 83063781 02	Charlotte Garza 324 Heneretta Drive Hurst TX 76054	Delivered Signature Received	No	
9214 8901 9403 83063780 96	The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Bruce Mason 3905 Oneal Street Greenville TX 75401	In-Transit	No	
9214 8901 9403 83063780 89	The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Scott Mason 6421 Turret Drive Colorado Springs CO 80918	Delivered Signature Received	No	
9214 8901 9403 83063780 72	The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Scott Mason 20765 Oasis Ave Peyton CO 80831	Delivered Signature Received	No	
9214 8901 9403 83063780 65	The Estate of Jamie Ann Medlin Billington decd	Delivered Signature Received	No	

Barcode	Recipient	Status	DL	Custom
9214 8901 9403 83063780 58	4433 S Lipscomb Amarillo TX 79110 Scratch Properties LLC PO BOX 1287 Artesia NM 88211	Delivered Signature Received	No	

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Recipient

Thomas Deason
6402 CR 7420
Lubbock TX 79424

Date & Time	Event	Event Location
06/07/2018 23:51	DELIVERY STATUS NOT UPDATED	SANTA FE,NM, 87501
06/07/2018 09:51	OUT FOR DELIVERY	SANTA FE,NM, 87501
06/07/2018 09:41	SORTING/PROCESSING COMPLETE	SANTA FE,NM, 87501
06/06/2018 11:18	ARRIVAL AT UNIT	SANTA FE,NM, 87501
06/02/2018 22:01	DEPART USPS FACILITY	ALBUQUERQUE,NM, 87101
06/02/2018 15:00	PROCESSED THROUGH USPS FACILITY	ALBUQUERQUE,NM, 87101
05/31/2018 02:49	DEPART USPS FACILITY	COPPELL,TX, 75099
05/31/2018 01:08	PROCESSED THROUGH USPS FACILITY	COPPELL,TX, 75099
05/29/2018 09:55	UNABLE TO DELIVER PROBLEM WITH ADDRESS	LUBBOCK,TX, 79424
05/26/2018 23:50	DEPART USPS FACILITY	LUBBOCK,TX, 79402
05/26/2018 19:58	PROCESSED THROUGH USPS FACILITY	LUBBOCK,TX, 79402

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Recipient

The Robert Mason & Jean Mason Rev Living Trust Agreement c/o Bruce Mason
3905 Oneal Street
Greenville TX 75401

Date & Time	Event	Event Location
07/08/2018 04:37	REMINDER TO SCHEDULE REDELIVERY	SANTA FE,NM, 87504
07/03/2018 11:29	AVAILABLE FOR PICKUP	SANTA FE,NM, 87501
07/03/2018 09:49	ARRIVAL AT UNIT	SANTA FE,NM, 87501
06/29/2018 17:43	PROCESSED THROUGH USPS FACILITY	ALBUQUERQUE,NM, 87101
06/28/2018 23:45	DEPART USPS FACILITY	ALBUQUERQUE,NM, 87101
06/28/2018 20:47	PROCESSED THROUGH USPS FACILITY	ALBUQUERQUE,NM, 87101
06/27/2018 15:31	PROCESSED THROUGH USPS FACILITY	COPPELL,TX, 75099
06/23/2018 15:30	UNCLAIMED/BEING RETURNED TO SENDER	GREENVILLE,TX, 75401
05/25/2018 14:56	SHIPMENT RECEIVED ACCEPTANCE PENDING	SANTA FE,NM, 87501
05/23/2018 10:14	PRE-SHIPMENT INFO SENT USPS AWAITS ITEM	SANTA FE,NM, 87501



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