



February 13, 2014

Via Certified Mail  
Certificate Number: 91 7199 9991 7033 4972 9877

Oxy Y-1 Company  
5 Greenway Plaza, Suite 110  
Houston, TX 77046-0521

Attn: Permian Land Manager

RE: Well Proposal – Stonewall 9 Fee #2H  
SHL: 150' FNL & 1700' FWL (Unit C)  
BHL: 330' FSL & 1700' FWL (Unit N)  
Section 9, T19S, R26E, Eddy County, New Mexico

Dear Madam or Sir:

COG Operating LLC (“COG”), as Operator, proposes to drill the Stonewall 9 Fee #2H at the above-captioned location or at an approved surface location within location unit letter C, to a depth of approximately 3000’ TVD, 7415’MD to test the Yeso Formation (“Operation”). The total cost of the Operation is estimated to be \$3,548,000 and a detailed description of the cost is set out in the enclosed Authority for Expenditure (“AFE”). COG anticipates that it will spud the well on or before July 4, 2014.

COG is proposing to drill this well under the terms of a modified 1989 AAPL Model Form Operating Agreement (“OA”) covering the E ½ of the W ½ of Section 9, T-19-S, R-26-E, with the following general provisions:

- 200/500 Non-consenting penalty
- Drilling and Producing rate:  
\$4500/\$450 for vertical wells from surface to 8000’  
\$5450/\$545 for vertical wells below 8000’ and horizontal wells all depths
- COG named as Operator

If you wish to participate, please sign and return the AFE and the additional set of signature pages to the OA.

If you do not wish to participate in the Operation, COG would like to acquire a Term Assignment of your interest for the following general terms:

- Three year primary term
- Delivering a 77.5% NRI, proportionately reduced
- \$500 per net acre bonus consideration

This offer to acquire your interest is subject to the approval of COG’s management and verification of title.

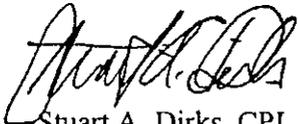
BEFORE THE OIL CONVERSION  
DIVISION  
Santa Fe, New Mexico  
Exhibit No. 4  
Submitted by: COG OPERATING LLC  
Hearing Date: April 30, 2014

If we do not reach an agreement 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 you desire to receive well information regarding the subject operations, please return a Well Information Requirements list to COG. Technical questions should be directed to Carl Bird at 432-686-3057 and land questions to the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLC

A handwritten signature in black ink, appearing to read "Stuart A. Dirks". The signature is written in a cursive, flowing style.

Stuart A. Dirks, CPL  
Senior Landman

**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

WELL NAME: Stonewall 9 Fee #2H	PROSPECT NAME: LAKEWOOD/CEMETARY
SHL: 150' FNL & 1700' FWL UL: C	STATE & COUNTY: New Mexico, Eddy
BHL: 330' FSL & 1700' FWL UL: N	OBJECTIVE: SH9 Yeso Horizontal
FORMATION: Yeso	DEPTH: 7,415
LEGAL: Sec. 9 T19S R26E API#: 30-015-39778	TVD: 3,000

		<u>BCP</u>	<u>ACP</u>	<u>TOTAL</u>
<u>INTANGIBLE COSTS</u>				
Title/Curative/Permit	201	10,000		10,000
Insurance	202	22,000	302 0	22,000
Damages/Right of Way	203	50,000	303 0	50,000
Survey/Stake Location	204	3,000	304 0	3,000
Location/Pits/Road Expense	205	55,000	305 25,000	80,000
Drilling / Completion Overhead	206	2,500	306 2,000	4,500
Turnkey Contract	207		307	0
Footage Contract	208		308	0
Daywork Contract (0 days @spud-rts @ \$0)	209	160,000	309 29,000	189,000
Directional Drilling Services (0 dir days @ \$0)	210	125,000	310	125,000
Fuel & Power	211	33,000	311 6,000	39,000
Water	212	27,000	312 130,000	157,000
Bits	213	25,000	313 5,000	30,000
Mud & Chemicals	214	21,000	314 0	21,000
Drill Stem Test	215		315 0	0
Coring & Analysis	216			0
Cement Surface	217	42,000		42,000
Cement Intermediate	218	0		0
Cement 2nd Intermediate/Production	218	0	319 61,000	61,000
Cement Squeeze & Other (Kickoff Plug)	220		320 0	0
Float Equipment & Centralizers	221	2,000	321 20,000	22,000
Casing Crews & Equipment	222	5,000	322 12,000	17,000
Fishing Tools & Service	223		323	0
Geologic/Engineering	224	8,000	324	8,000
Contract Labor	225	16,000	325 21,000	37,000
Company Supervision	226	2,000	326 2,000	4,000
Contract Supervision	227	19,000	327 20,000	39,000
Testing Casing/Tubing	228	3,000	328 5,000	8,000
Mud Logging Unit (logging 1/24 days)	229	10,000	329	10,000
Logging	230	0	330	0
Perforating/Wireline Services	231	1,500	331 85,000	86,500
Stimulation/Treating			332 1,100,000	1,100,000
Completion Unit			333 30,000	30,000
Swabbing Unit			334	0
Rentals-Surface	235	16,000	335 200,000	216,000
Rentals-Subsurface	236	26,000	336 60,000	86,000
Trucking/Forklift/Rig Mobilization	237	43,000	337 20,000	63,000
Welding Services	238	5,000	338 2,500	7,500
Water Disposal	239	0	339 130,000	130,000
Plug to Abandon	240	0	340 0	0
Seismic Analysis	241	0	341 0	0
Closed Loop & Environmental	244	55,000	344 0	55,000
Miscellaneous	242	0	342 0	0
Contingency 10%	243	79,000	343 198,500	277,500
<b>TOTAL INTANGIBLES</b>		<b>866,000</b>	<b>2,174,000</b>	<b>3,040,000</b>
<u>TANGIBLE COSTS</u>				
Surface Casing (8 5/8" 32# J55 LTC)	401	25,000		25,000
Intermediate Casing(2150' 8 5/8" 32# J55 LTC)	402	0	503 0	0
Production Casing (5 1/2" 17# L80)			503 107,000	107,000
Tubing			504 15,000	15,000
Wethead Equipment	405	6,000	505 20,000	26,000
Pumping Unit			506 60,000	60,000
Prime Mover			507 20,000	20,000
Rods			508 12,000	12,000
Pumps			509 70,000	70,000
Tanks			510 21,000	21,000
Flowlines			511 8,000	8,000
Heater Treater/Separator			512 30,000	30,000
Electrical System			513 20,000	20,000
Packers/Anchors/Hangers	414	0	514 2,500	2,500
Couplings/Fittings/Valves	415	500	515 60,000	60,500
Gas Compressors/Meters			516 5,000	5,000
Dehydrator			517	0
Injection Plant/CO2 Equipment			518	0
Miscellaneous	419	500	519 500	1,000
Contingency	420	2,000	520 23,000	25,000
<b>TOTAL TANGIBLES</b>		<b>34,000</b>	<b>474,000</b>	<b>508,000</b>
<b>TOTAL WELL COSTS</b>		<b>900,000</b>	<b>2,548,000</b>	<b>3,548,000</b>

COG Operating LLC

By: Carl Bird \_\_\_\_\_

Date Prepared: 9/9/2013 \_\_\_\_\_

GB

We approve:  
\_\_\_\_\_% Working Interest

COG Operating LLC

By: \_\_\_\_\_

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.