Summary Review of Title Costs for Ivar the Boneless #11H

			neticit of this a						 			 _
Title & Permits	Costs											
Budgeted	\$11,000.00										_	
Actuals per Report to	\$215,336.65											
NMOCD												
Over Budget	(\$204,336.65)											
	Date	Acreage	Zones Covered									
Drilling Title Opinion	April 16, 2015, effective July 10, 2014	Section 15: W/2	Eight (8)									
Division Order Title	November 24, 2015,	Section 15: W/2	Eight (8)									
Opinion	Effective October 1, 2015											
										` `		
Force Pooling	Acreage Pooled:	Section 15: W/2W/2										
	Zones		Only three(3) of									
		-	the zones covered by the Title									
			Opinions were part of the pool									
Notes:	Title Opinions covered twice	the pooled acreag	ge(W/2 rather than	the W/2W	/2 of Sec	tion 15.			 			
	Title Opinions covered some	eight zones, while	e only three(3) of the	e zones w	ere part o	of the fo	rce pooli	ng.	1			

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> COG Operating LLC One Concho Center 600 W. Illinois Avenue Midland, Texas 79701

Attention: Joseph Scott Landman

April 16, 2015

Effective July 10, 2014

DRILLING TITLE OPINION

IVAR THE BONELESS WELL

LEA COUNTY, NEW MEXICO

LANDS INVOLVED:

Township 17 South, Range 32 East, N.M.P.M.

Section 15: W1/2

(containing 320.00 acres, more or less)

LEASES INVOLVED:

United States Oil and Gas Lease

NMLC 054687

(see Appendix "A")

NOTE: For purposes of identification and convenience, we have delineated the lands under examination as Tracts 1-5. We note that we have further delineated Tract 5, into Tract 5A and Tract 5B. We have also further delineated the stratigraphic ownership within the tracts (See Comment 37, discussing ownership variation by depth and the designation of Zones). The Tracts and Zones are more particularly described as:

New York Colorado North Dakota Minois South Dakota Montana Pennsylvania Teras Nevada New Mexico New Jersey Utah Wyoming

Affiliated Firm Jones Waldo Holbrook & McDonough, PC

Attorneys Licensed in:

California

COG Operating LLO	С
April 16, 2015	
Page ii	

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	IVAR THE BONELESS WELL (W ¹ / ₂ W ¹ / ₂)				
Tract 1:	ion 15, Township 17 South, Range 32 East, N.M.P.M.				
	ZONE 1: Surface to base of the San Andres Formation, whi we have assumed is 4,200 feet below the surface				
	e				
	ZONE 3: Below 11,800 feet to the center of the Earth				
Tract 2:	ection 15, Township 17 South, Range 32 East, N.M.P.M.				
	ZONE 1: Surface to base of the San Andres Formation, whi we have assumed is 4,200 feet below the surface				
		to			
	ZONE 3: Below 11,800 feet to the center of the Earth				
Tract 3:	tion 15, Township 17 South, Range 32 East, N.M.P.M. ¹				
	ZONE I: Surface to 3,555 feet below the surface				
	ZONE II: Below 3,555 feet to 5,425 feet below the surface being the stratigraphic interval of the Graybur San Andres Formation				

¹ See Comment 23, discussing the leasehold interest of ConocoPhillips Company



COG Operating LLC April 16, 2015 Page iii

Tract 4:	ection 15, Township	17 South, Range 32 East, N.M.P.M.
	ZONE i:	Surface to the top of the Grayburg Formation
	EXCLUDED:	Grayburg and San Andres Formations ²

<u>E¹/₂W¹/₂</u>

- Tract 1: E¹/₂NW¹/₄, Section 15, Township 17 South, Range 32 East, N.M.P.M.
- Tract 5A: NE¹/₄SW¹/₄, Section 15, Township 17 South, Range 32 East, N.M.P.M.
- Tract 5B: SE¼SW¼, Section 15, Township 17 South, Range 32 East, N.M.P.M.
 - ZONE 1: Surface to base of the San Andres Formation, which we have assumed is 4,200 feet below the surface
 - ZONE 2: Below the base of the San Andres Formation to 11,800 feet below the surface
 - ZONE 3: Below 11,800 feet to the center of the Earth

² We note that these formations in Tract 4 have been federally unitized. See Comment 3 (discussing the Maljamar Cooperative Repressuring Unit).



COG Operating LLC April 16, 2015 Page 5

19. "Zone 1" shall mean those depths from the surface to the base of the San Andres Formation, which we have assumed is 4,200 feet below the surface, affecting Tracts 1, 2, and 5. See Comment 37.

20. "Zone 2" shall mean those depths below the base of the San Andres Formation to 11,800 feet below the surface, affecting Tracts 1, 2, and 5. *See* Comment 37.

21. "Zone 3" shall mean those depths below 11,800 feet to the center of the Earth, affecting Tracts 1, 2, and 5. See Comment 37.

22. "Zone I" shall mean those depths from the surface to 3,555 feet from the surface, affecting Tract 3. See Comment 37.

23. "Zone II" shall mean those depths below 3,555 feet to 5,425 feet below the surface, being the stratigraphic interval of the Grayburg-San Andres Formation, affecting Tract 3. See Comment 37.

24. "Zone III" shall mean those depths below 5,425 feet to the center of the Earth, affecting Tract 3. See Comment 37.

25. "Zone i" shall mean those depths from the surface to the top of the Grayburg Formation, affecting Tract 4. See Comment 37.

26. "Zone ii" shall mean those depths below the base of the San Andres Formation to the center of the Earth, affecting Tract 4. See Comment 37.



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November 24, 2015

Effective October 1, 2015

COG Operating LLC One Concho Center 600 W. Illinois Avenue Midland, Texas 79701

Attention: Joseph Scott Landman

DIVISION ORDER TITLE OPINION

IVAR THE BONELESS FEDERAL #11H WELL AND IVAR THE BONELESS FEDERAL #23H WELL

LEA COUNTY, NEW MEXICO

W ¹ / ₂ W ¹ / ₂ of Section 15:	Limited from the top of the Glorieta Formation to the top of the Tubb Formation ¹
E ¹ / ₂ W ¹ / ₂ of Section 15:	Limited for depths between the base of the San Andres Formation and 11,800 feet below the surface

LANDS INVOLVED:

Township 17 South, Range 32 East, N.M.P.M. Section 15: W¹/₂

(containing 320.00 acres, more or less)

LEASE INVOLVED:

United States Oil and Gas Lease

(see Underlying Opinion Appendix "A")

¹ See Comment 37 (discussing stratigraphic limitation of Opinion).

Attorneys Licensed in:

California New York Colorado North Dakota Hilnois South Dakota Montana Pennsylvania Newada Texas New Mexico Utah New Jersey Wyoming

Affiliated Firm Jones Waldo Holbrook & McDonough, PC

NMLC 054687



COG Operating LLC November 24, 2015 Page 4

11. "Tract" or "Tracts" means the geographical area of the Subject Lands defined by mineral ownership.

12. "Tract 1 Lands" or "Tract 1" means the N½NW¼, SE¼NW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M. Tract 1 is also described as Tract 1A and Tract 1B. See Comment 64 (discussing division of Tract 1 into Tracts 1A and 1B).

13. "Tract 1A Lands" or "Tract 1A" means the NW¼NW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M. See Comment 64 (discussing division of Tract 1 into Tracts 1A and 1B).

14. "Tract 1B Lands" or "Tract 1B" means the E½NW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M. See Comment 64 (discussing division of Tract 1 into Tracts 1A and 1B).

15. **"Tract 2 Lands"** or "**Tract 2**" means the SW¹/₄NW¹/₄ of Section 15, Township 17 South, Range 32 East, N.M.P.M.

16. **"Tract 3 Lands**" or "**Tract 3**" means the NW¹/₄SW¹/₄ of Section 15, Township 17 South, Range 32 East, N.M.P.M.

17. "**Tract 4 Lands**" or "**Tract 4**" means the SW¼SW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M.

18. **"Tract 5 Lands", "Tract 5"** means the E½SW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M. Tract 5 is also described as Tract 5A and Tract 5B.

19. "Tract 5A Lands" or "Tract 5A" means the NE¼SW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M

20. "Tract 5B Lands" or "Tract 5B" means the SE¼SW¼ of Section 15, Township 17 South, Range 32 East, N.M.P.M.

21. "Zones" shall mean those stratigraphic intervals for which working interest ownership is common within each tract, and in which leasehold rights amongst the various Tracts are uniform across the Subject Lands. *See* Comment 37 of the Underlying Opinion.

22. "Zone 1" shall mean those depths from the surface to the base of the San Andres Formation, which we have assumed is 4,200 feet below the surface, affecting Tracts 1, 2, and 5. Comment 37 of the Underlying Opinion.



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COG Operating LLC November 24, 2015 Page 5

23. "Zone 2" shall mean those depths below the base of the San Andres Formation to 11,800 feet below the surface, affecting Tracts 1, 2, and 5. *See* Comment 37 of the Underlying Opinion.

24. "Zone 3" shall mean those depths below 11,800 feet to the center of the Earth, affecting Tracts 1, 2, and 5. *See* Comment 37 of the Underlying Opinion.

25. "Zone I" shall mean those depths from the surface to 3,555 feet from the surface, affecting Tract 3. See Comment 37 of the Underlying Opinion.

26. "Zone II" shall mean those depths below 3,555 feet to 5,425 feet below the surface, being the stratigraphic interval of the Grayburg-San Andres Formation, affecting Tract 3. See Comment 37 of the Underlying Opinion.

27. "Zone III" shall mean those depths below 5,425 feet to the center of the Earth, affecting Tract 3. See Comment 37 of the Underlying Opinion.

28. "Zone i" shall mean those depths from the surface to the top of the Grayburg Formation, affecting Tract 4. See Comment 37 of the Underlying Opinion.

29. "Zone ii" shall mean those depths below the base of the San Andres Formation to the center of the Earth, affecting Tract 4. See Comment 37 of the Underlying Opinion.