



Geophysical and Geological Reviews of Exploration Plans and Development Operations Coordination Documents



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Example Geophysical and Geological Reviews

Data Utilized

Plan Attachments



Review : Geophysical Review **Control No:** **Type:** **Received:**
Operator : **Rig Type :**
Lease(s) : **Area/Block :**
Reviewer : Remark :
Completed :

Item	Response Text	Item	Response Text
1	<i>The information in the plan is sufficiently adequate, accurate, and comprehensive to perform a geophysical review</i>	3	DEEP SEISMIC EVALUATION
2	SHALLOW HAZARDS EVALUATION	3.1	Seismic Data:
2.1	High Res Survey Report:	3.2	Proximity: (Line#, Shot Point#, Line Spacing)
2.2	HRG Data: (Echo, Sss, Spkr, CDP, Other)	3.3	Structure:
2.3	Proximity: (Line#, Shot Point#, Line Spacing)	3.4	Bright Spot:
2.4	WD/Seafloor:	3.5	D Fault:
2.5	Fndn:	3.6	Domal Material:
2.6	Gas:	3.7	Possible Abnormal Pressures:
2.7	Fault:		
2.8	Other:		



Review : Geological Review **Control No:** **Type:** **Received:**

Operator : **Rig Type** :

Lease(s) : **Area/Block** :

Reviewer : Remark :

Completed :

Item **Response Text**

1 *Is the information in the plan sufficient to perform a geological review?*

2 *Shallow Hazards:*

3 *Domal material*

4 *Deep bright spots and faults, and other possible lost circulation zones:*

5 *Geopressure and possible abnormal pressure zones:*

6 *Distance from nearest well or platform:*

7 *Geologic setting of the trap:*

8 *H2S information and classification:*

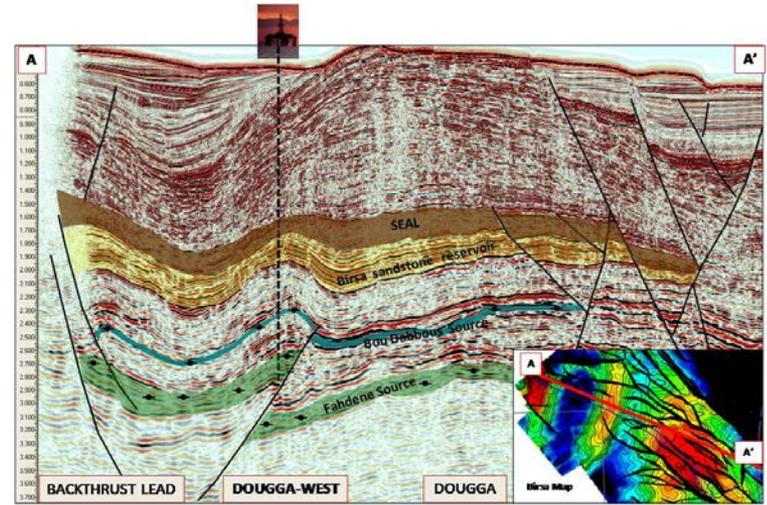
9 *Remarks:*

10 *Geologic review conclusion and recommendations:*

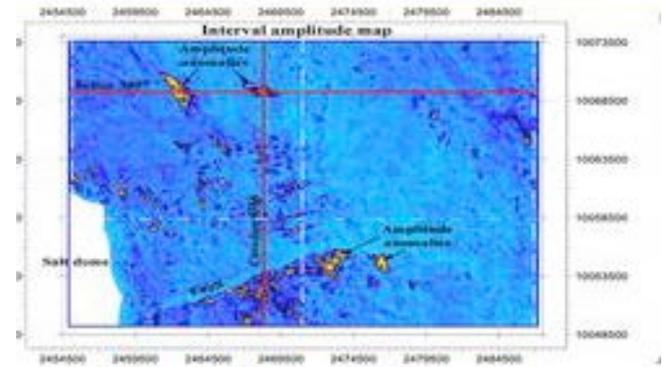


- **Operator Submitted Plan**

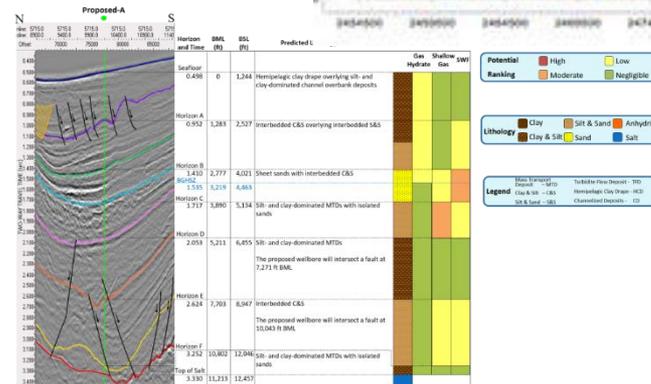
-- **Maps and cross-sections**



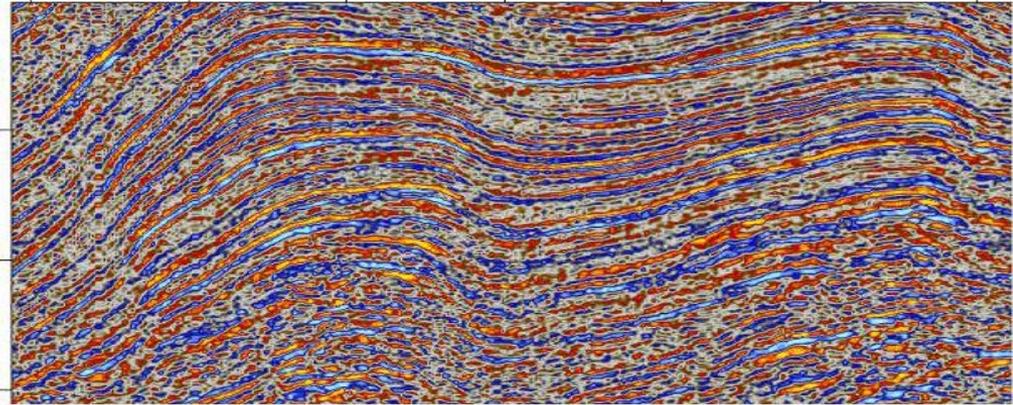
-- **Hazard Assessments**



-- **Data at Wells**

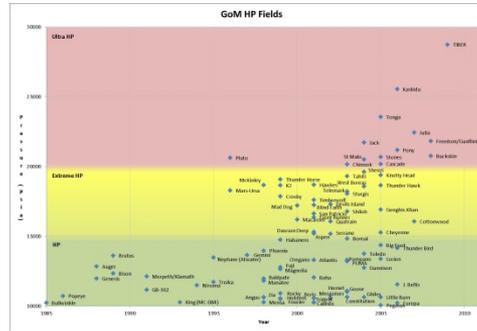


-- In-House Seismic

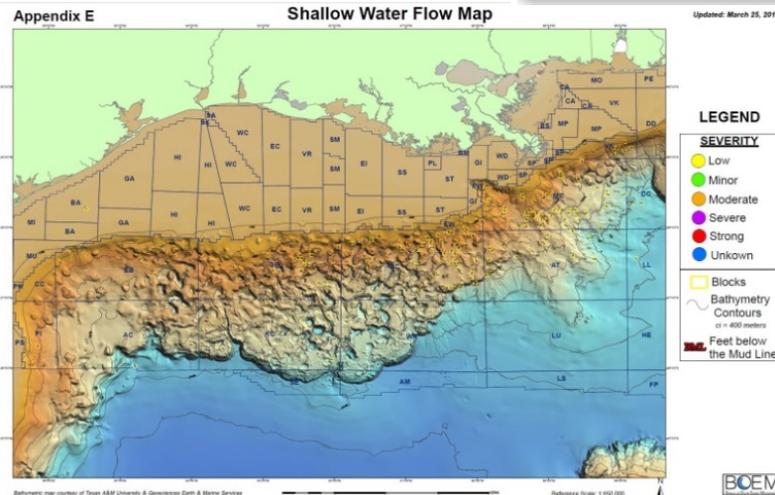


-- In-House Databases

- IHS formation pressure db
- Hydrogen sulfide (H₂S) db



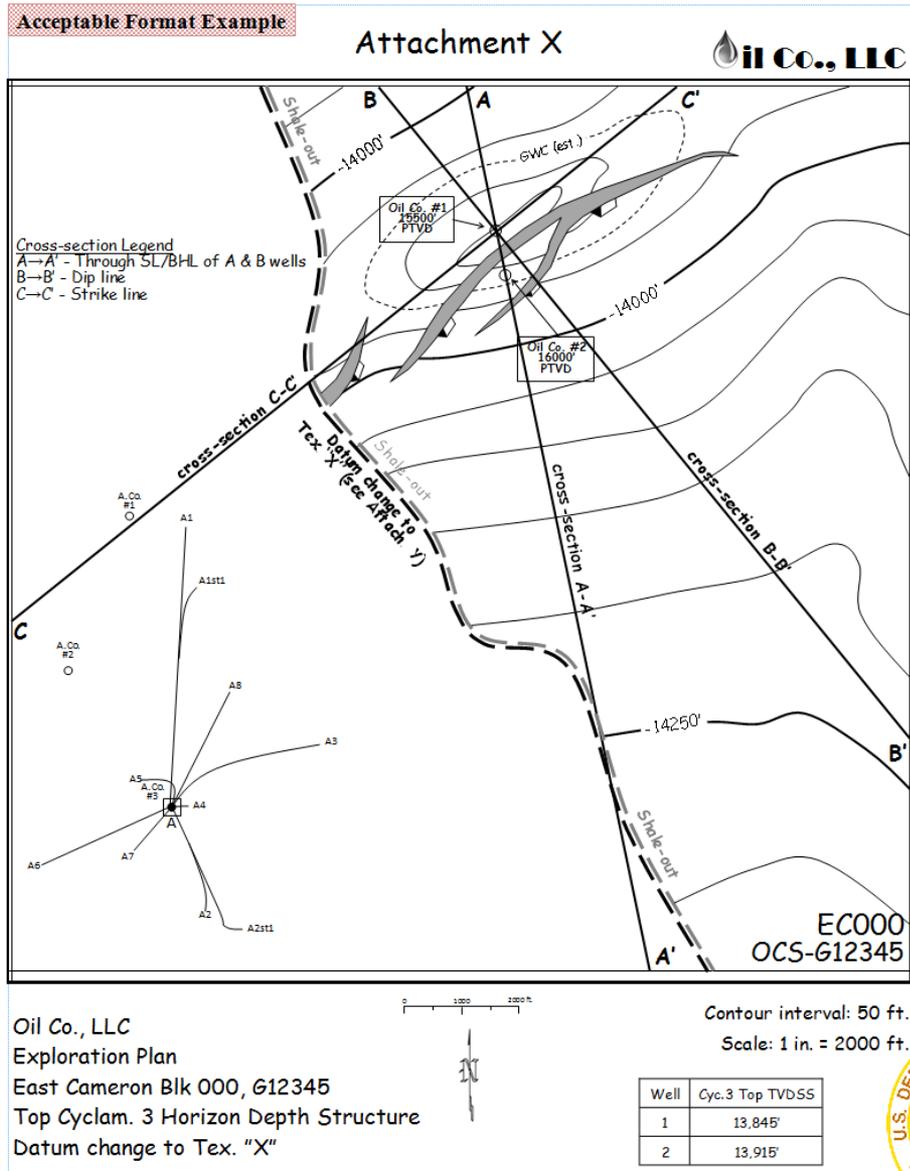
-- Reference Maps



- Shallow hazards reports
 - ✓ (usually sent to BOEM months/years prior to Plan)
- Shallow hazards assessments
 - ✓ Site clearance letters
 - ✓ Top-hole prognosis
 - ✓ High resolution seismic lines
- Geologic structure contour maps
- Geologic cross-sections
- 3D/2D Seismic cross-sections
- Biostratigraphic columns

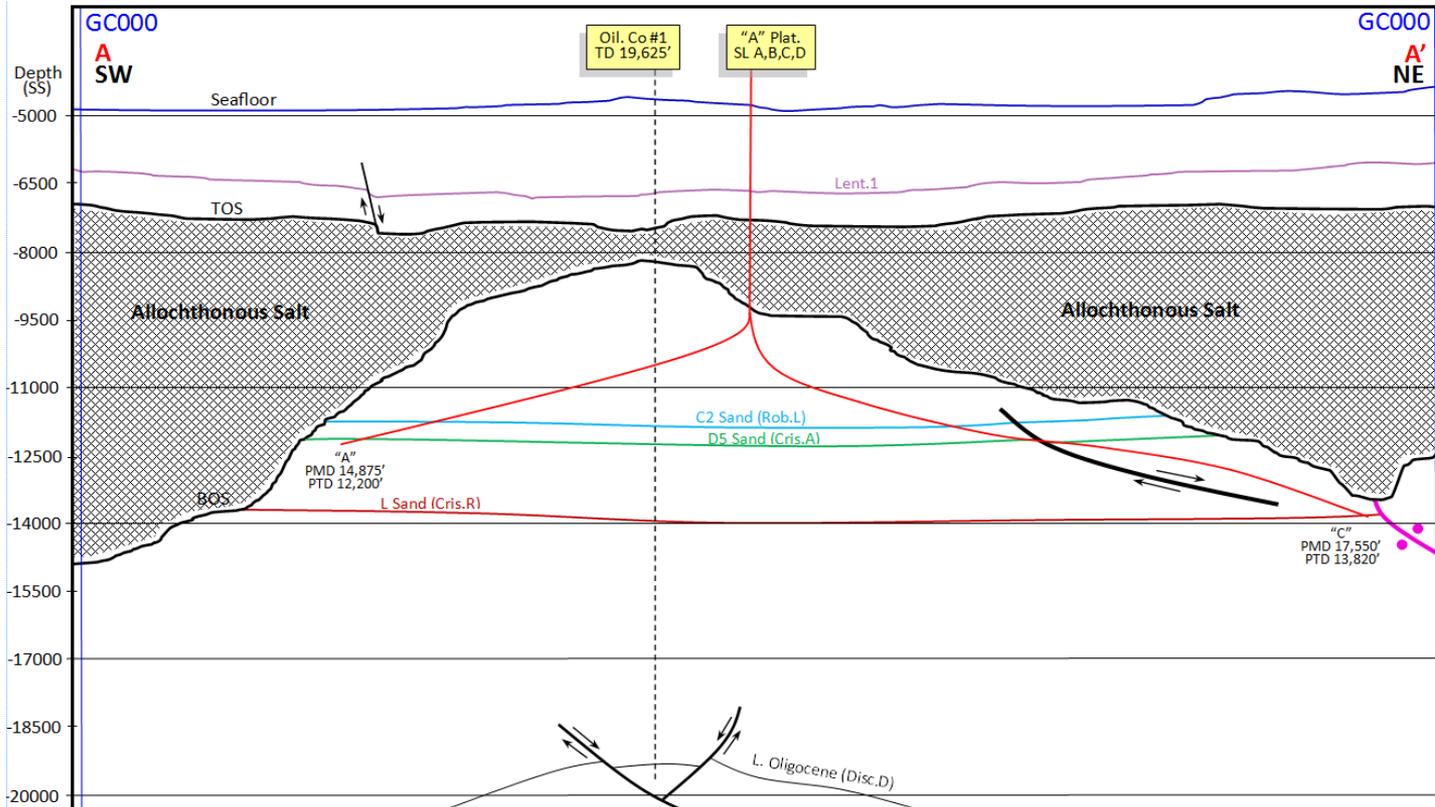


- Wellpaths
- Depths to targets
- Locations of cross-sections



**Non-proprietary
data and
interpretation**





Attachment 3B

Acceptable Format Example



**Non-proprietary
data and
interpretation**

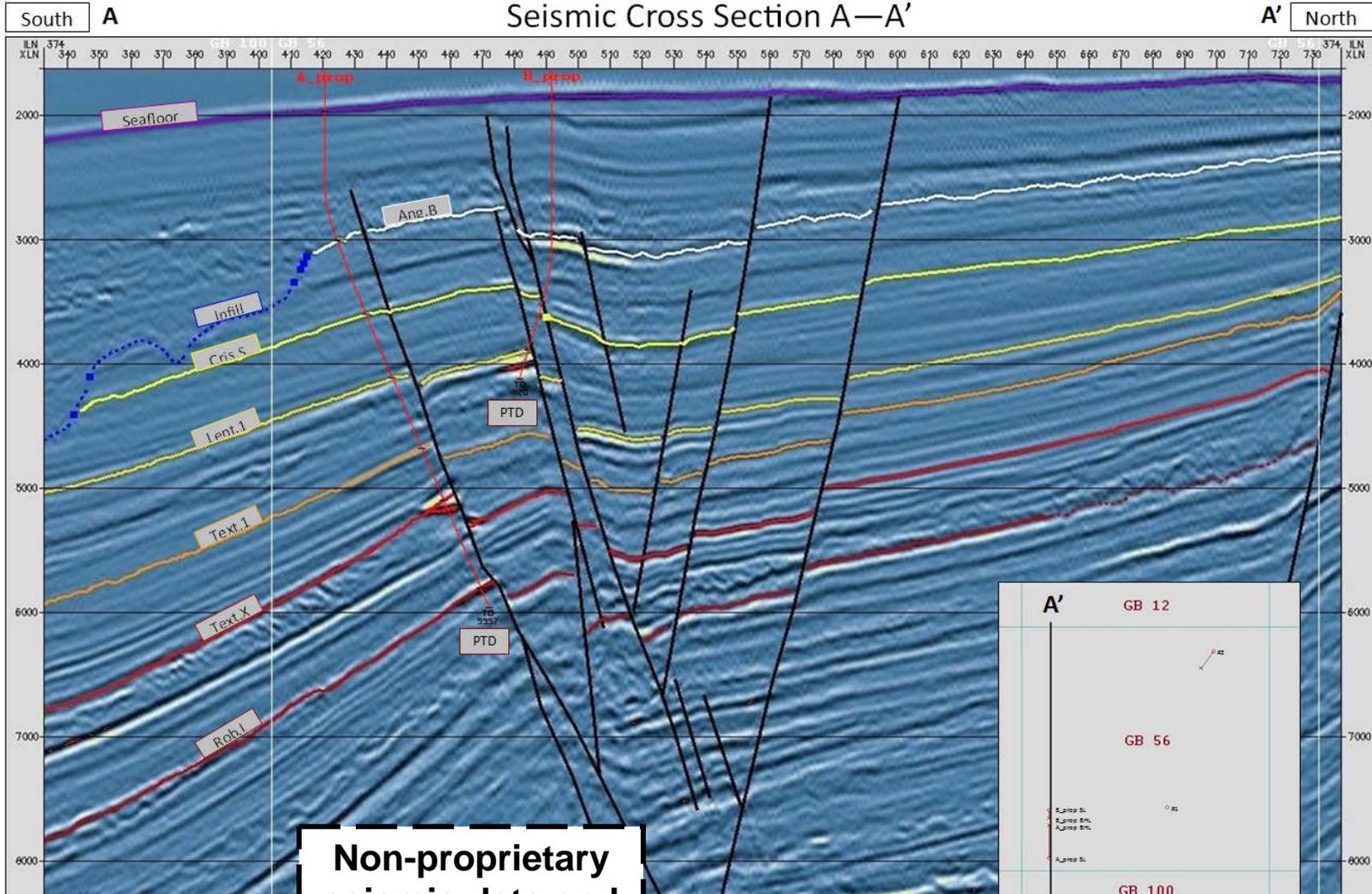
Geologic Cross-section A → A'

Field: Sparta	Version: 1.0
Mapped by: K. Kramer	Date Created: 4/1/2014



Acceptable Format Example

Attachment K Seismic Cross Section A—A'



**Non-proprietary
seismic data and
interpretation**



Biostratigraphic Columns

Stratigraphic Column				
Walker Ridge Block 000 Well A				
Age	Depth (ft)	Lithology	Paleo	Targets
	3,750	Water		
Pleistocene	4,000	Unconsolidated drape		
Jurassic Allochthonous Salt	5,000	Salt		
	6,000			
	7,000			
	8,000			
	9,000			
	10,000			
	11,000			
U. Miocene	12,000	Interbedded Sands and Shales	Tex. X	
	13,000			
M. Miocene	14,000			
L. Miocene	15,000		Disc. B	
Oligocene	16,000	Marl and Sheet Sands		
	17,000			
	18,000		Rob. A	
	19,000			
	20,000			
Eocene	21,000	Turbidite Sands		Target interval
	22,000		Glob. bul.	Wilcox 1 - 22,500
Paleocene	23,000			
	24,000		Disc. w.	
Cretaceous	25,000			Wilcox 2 - 24,950
	26,000	Carbonate		TD 26,100

Non-proprietary
data

