



Black Sea

BS 11/00 and BS 11/96 Surveys

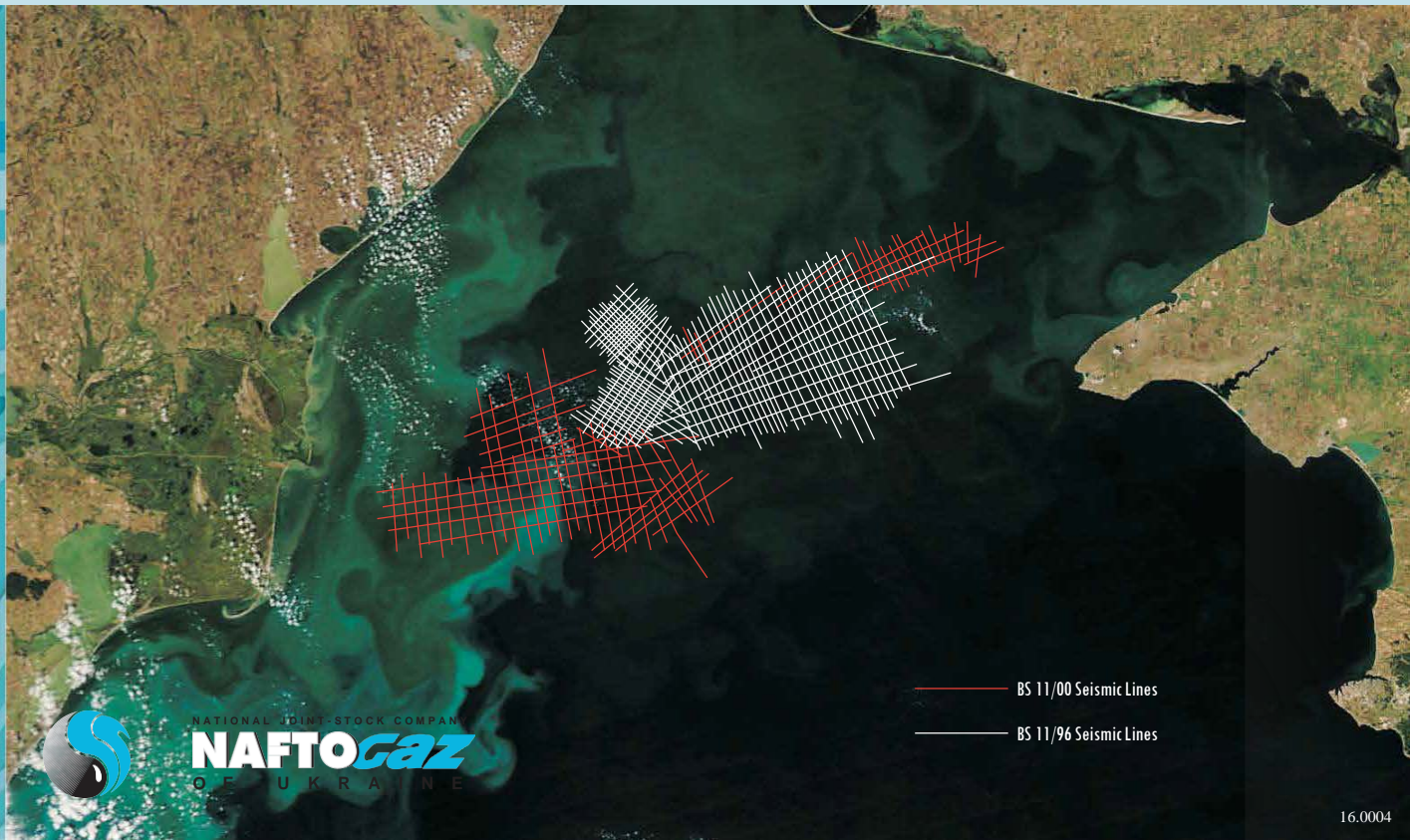
Petro Seismic Agency and ERCL are pleased to announce the availability for licensing of the BS 11/00 and BS 11/96 surveys in the offshore Black Sea.

SMNG acquired two 2D seismic surveys in the Black Sea (Ukraine) in 1996 (BS 11/96 survey) and 2000 (BS 11/00 survey) under an agreement with Ukrainian Chernomorneftegaz. Seismic data acquisition was performed by SMNG's Professor Rjabinkin and Iskatel-3 vessels.

The BS 11/96 survey targeted three areas (Karkinitskaya, Bezymyannaya and Odessksya) and totalled some 3,183 line kms. Processing was undertaken by SMNG.

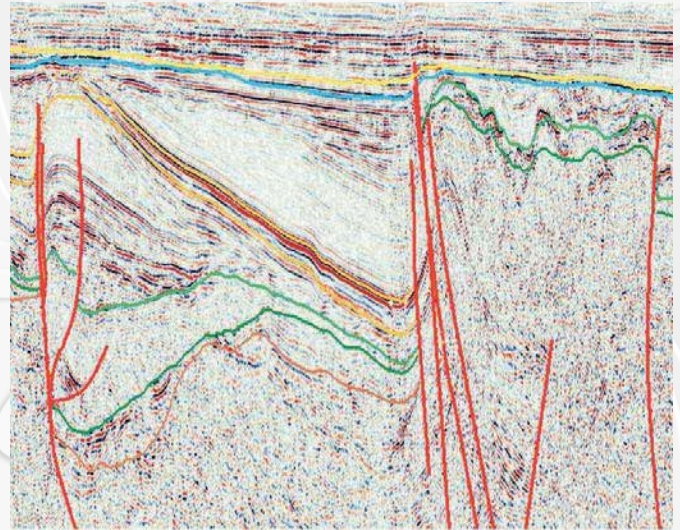
The BS 11/00 survey targeted two areas (Gubkinskaya and Golyzynskaya) and totalled some 2,010 line kms. Processing was undertaken by MNG. In 2002, the data Gubkinskaya area (BS 11/00 Survey) was re-processed.

Some examples of the data are shown overleaf.



Processing Sequence - BS 11/00 Survey

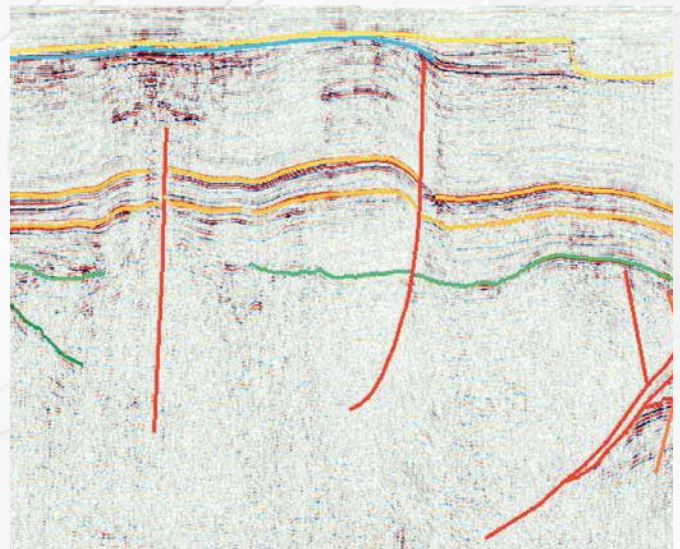
1. Input seg-D data: 7,100 ms/2 ms, 120 chan`s
2. Resample 4 ms
3. Bulk statics to sea level
4. Editing traces: noise traces edit
5. True amplitude recovery: spherical divergence correction
6. Band-pass filter: 4-8-60-70 Hz
7. Velocity analysis: step 2 km
8. Automatic gain control: operator length 600 ms
9. Top muting
10. F-K filter: fan, -1,440-2,740 m/s, 1,440-2,740m/s, 5-50 Hz
11. Adapt. deconvolution: operator length 160 ms; predict. dist. 32 ms; rate of adapt 0.2
12. Top muting
13. Radon velocity filter
14. Automatic gain control: remove AGC
15. Velocity analysis for DMO: step 2 km
16. Common offset F-KDMO
17. Velocity analysis for stack: step 2 km
18. NMO, top and bottom muting (for multiple attenuation)
19. CDP/ensemble stack: min./max. exclude
20. Automatic gain control: operator length 600 ms
21. Predictive deconvolution: operator length 240 ms; predict. dist. 32 ms; white noise 1.0
22. F-X decon.: horizon; window length 11; number of filter samples 7
23. Kirchhoff time migration: max. dip of 45 deg, 0,95 veloc. RMS (smooth), max. freq. of 70 Hz



25. Band-pass filter: 7-13-50-70 Hz, T 0-1,200 ms; 5-10-40-50 Hz, T 1,500-3,000 ms; 4-8-25-35 Hz, T 3,500-6,000 ms
26. Time-variant scaling - time gates
27. Time-variant scaling - user gain values 1.0 T 0-3,300; 0.4 T 4,000-6,600 ms
28. Header static: +10 ms - down
29. Seg-Y output

Processing Sequence - BS 11/96 Survey

1. Input seg-D data: 7,100 ms/2 ms, 120 chan`s
2. Resample 4 ms
3. Bulk statics to sea level
4. Editing traces: noise traces edit
5. True amplitude recovery: spherical divergence correction
6. Band-pass filter: 4-8-60-70 Hz
7. Velocity analysis: step 2 km
8. Automatic gain control: operator length 600 ms
9. Top muting
10. F-K filter: fan, -1,440-2,740 m/s, 1,440-2,740m/s, 5-50 Hz
11. Adapt. deconvolution: operator length 160 ms; predict. dist. 32 ms; rate of adapt 0.2
12. Top muting
13. Radon velocity filter
14. Automatic gain control: remove AGC
15. Velocity analysis for DMO: step 2 km
16. Common offset F-KDMO
17. Velocity analysis for stack: step 2 km
18. NMO, top and bottom muting (for multiple attenuation)
19. CDP/ensemble stack: min./max. exclude
20. Automatic gain control: operator length 600 ms
21. Predictive deconvolution: operator length 240 ms; predict. dist. 32 ms; white noise 1.0
22. F-X decon.: horizon; window length 11; number of filter samples 7
23. Kirchhoff time migration: max. dip of 45 deg, 0,95 veloc. RMS (smooth), max. freq. of 70 Hz
24. Automatic gain control: remove AGC



25. Time-variant scaling gain: 0.6, T 0-1,300 ms; 2.1, T 1,900-3,500 ms; 1.6, T 4,000-7,000 ms
26. Time-variant band-pass filter: 4-10-50-60 Hz, T 0-800 ms; 4-10-40-50 Hz, T 1,200-2,000 ms; 4-10-30-40 Hz, T 2,500-3,500 ms; 4-10-25-35 Hz, T 4,000-7,000 ms
27. Trace equalisation: time gate 400-7,000 ms
28. Seg-Y output

Get in touch

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