

# Trainwreck Early Warning Indicators

	New rocks	New rig	New team	New technology	multiple targets	change of scope	complexity	space	overstretch	
Skarv 4									A	1
Bruce B7									D	3
Harding									D	1.5
Machar									D	2.5
Wamsutter									D	1
SouthPass									D	0
Crazy Horse N									A	2
Jupiter									E	3
Kings Peak									D	2.5
Ship Shoal									D	1.5
Pompano									D	3.5
Bruce A25									D	5
Andrew A15									D	3
Foinaven									D	2.5
Tuscaloosa									D	2.5
Matagorda Is.									D	1.5
Valhail									D	3
Red Mango									E	6.5
Svinoy									E	4.5
Blues Image									E	7
West Bison									E	5.5
Havsule									E	7
Chirag									D	4

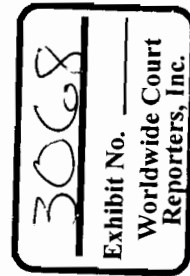
Decluttered

Had Space

Borderline

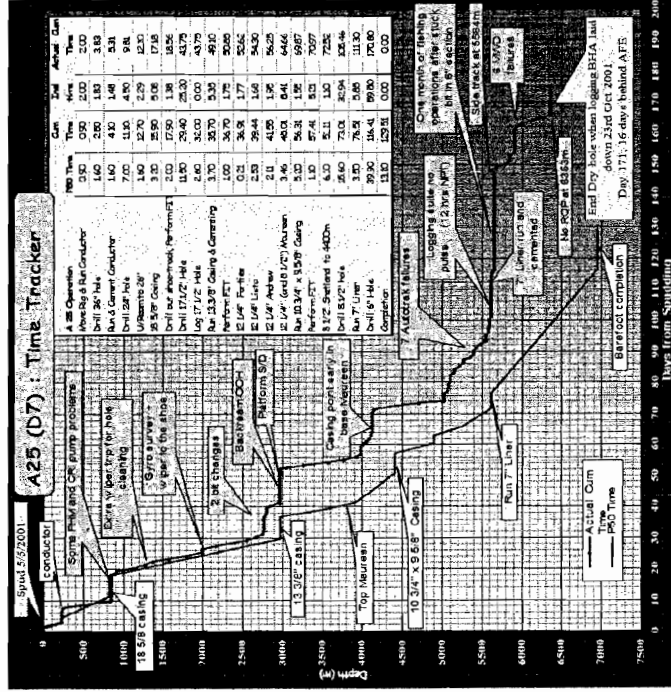
Competency

If 3 or greater = warning sign



Risk Assessment & Management  
Well Control - HPHT procedures  
Contractors - Work Over/Completions

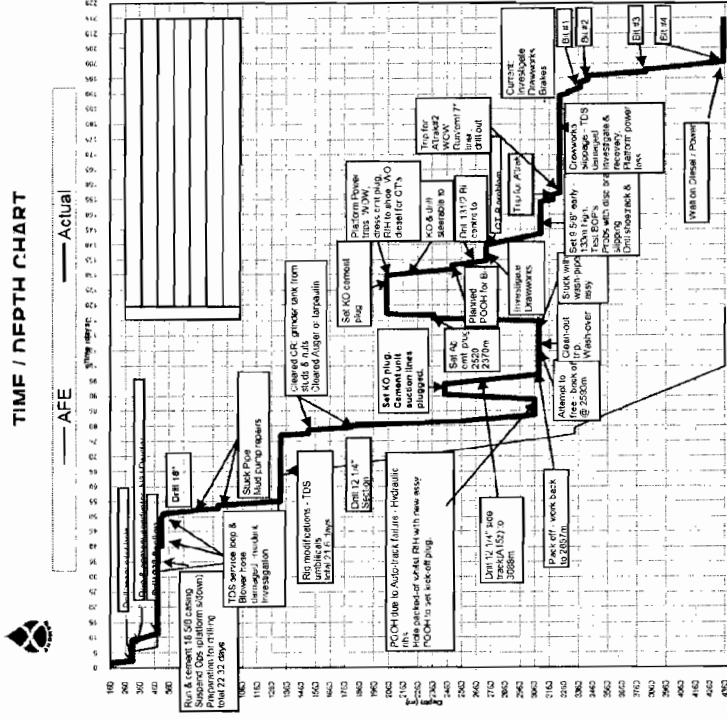
	New rocks	New rig	New team	New technology	multiple targets	change of scope	complexity	space	overstretch
Skarv 4									A G
Bruce B7									D G
Harding									D G
Machar									D G
Wamsutter									D G
South Pass									D G
Crazy Horse N									A G
Jupiter									E G
Kings Peak									D G
Ship Shoal									D A
Pompano									D A
Bruce A25									D B
Andrew A15									D B
Foinaven									D B
Tuscaloosa									D B
Matagorda Is.									D B
Vahall									E B
Red Mango									E B
Svinoy									E B
Blues Image									E B
West Bison									E B
Havsule									E B
Chirag									D B



# Organisational Capability Levers

Roles
Accountability
Style & influence
Single vision
Mid term planning
Target setting and Changes
Rewards and motivation
Within teams
Between teams
Cross discipline
With contractors/ service cos
Individual
Contractor/service co
Performance management
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Informal structure

	New rig	New team	New technology	multiple targets	change of scope	complexity	space	overtorch	
Skarv 4									A G
Bruce B7									D G
Harding									D G
Machar									D G
Wamsutter									D G
SouthPass									D G
Crazy Horse N									A G
Jupiter									E G
Kings Peak									D G
Ship Shoal									D A
Pompano									D A
Bruce A25									D B
Andrew A15									D B
Folhaven									D B
Tuscaloosa									D B
Matagorda Is.									D B
Valhail									D B
Red Mango									E B
Svinoy									E B
Blues Image									E B
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	New rocks	New rig	New team	New technology	multiple targets	change of scope	complexity	space	overshoot
Skarv 4									A G
Bruce B7									D G
Harding									D G
Machar									D G
Wamsutter									D G
SouthPass									D G
Crazy Horse N									A G
Jupiter									E G
Kings Peak									D G
Ship Shoal									D A
Pompano									D A
Bruce A25									D B
Andrew A15									D B
Foinaven									D B
Tuscaloosa									D B
Matagorda Is.									D B
Valhall									D B
Red Mango									E B
Svinoy									E B
Blues Image									E B
West Bison									E B
Havsule									E B
Chirag									D B


**Tuscaloosa Pickett #1 Well Control Event and HPHT Practices Review**

### Findings

- Pickett Well Control Event**
  - Standard procedures were not followed
  - Structured trend analysis was not performed prior to the kick to fully understand the well condition
  - Incorrect assumptions were made regarding the well status at the time of the kick
  - Rig team failed to recognize an escalating situation during the initial kill attempt
- HPHT Practices Review**
  - Operational success primarily reliant on competent people
  - Rig is adequately equipped for the deep, high pressure wells
  - Well control equipment is well set up to handle large amounts of gas
  - More detailed procedures for HPHT operations are needed
  - Contingency planning was not done
  - Focused HPHT training is lacking
  - Resources are stretched, teamwork could be enhanced

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	New rocks	New rig	New team	New technology	multiple targets	change of scope	complexity	space	oversretch
Skarv 4									A G
Bruce B7									D G
Harding									D G
Machar									D G
Wamsutter									D G
SouthPass									D G
Crazy Horse N									A G
Jupiter									E G
Kings Peak									D G
Ship Shoal									D A
Pompano									D A
Bruce A25									D B
Andrew A15									D B
Folhaven									D B
Tuscaloosa									D B
Matagorda Is.									D B
Valhail									D B
Red Mango									E B
Svinoy									E B
Blues Image									E B
West Bison									E B
Havsule									E B
Chirag									D B

Await Report from Scott Sigurdson  
Currently for review with Shelf

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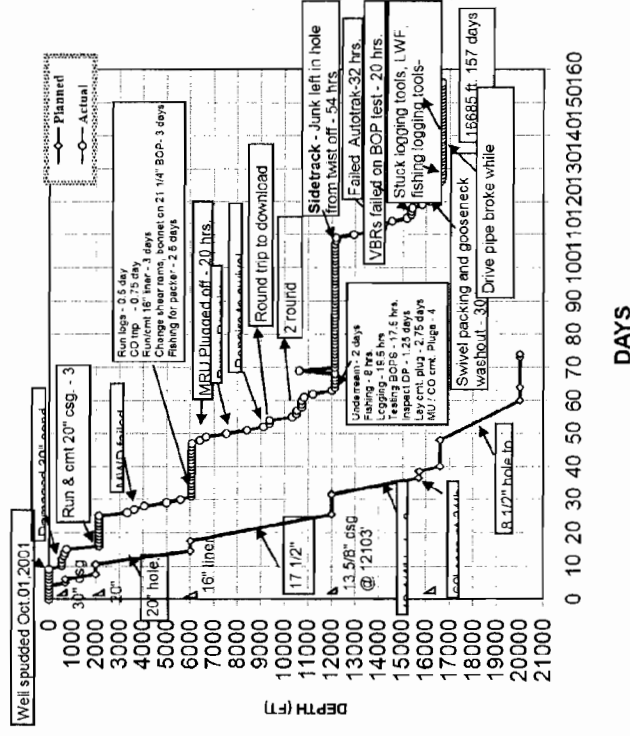


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Harding									D G
Machar									D G
Wamsutter									D G
SouthPass									D G
Crazy Horse N									A G
Jupiter									E G
Kings Peak									D G
Ship Shoal									D A
Pompano									D A
Bruce A25									D B
Andrew A15									D B
Foinaven									D B
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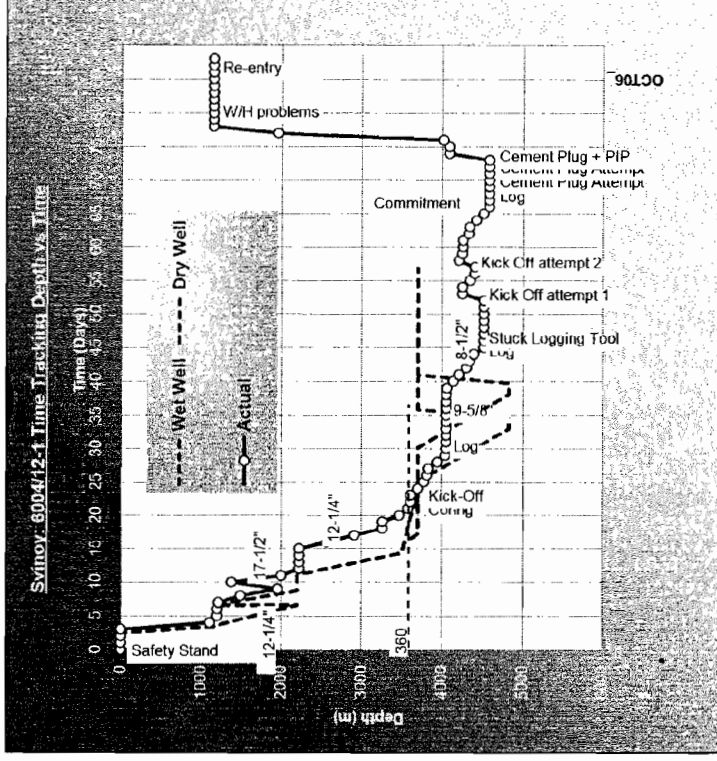
# RED MANGO-2 EXPLORATION WELL DAY VS DEPTH CURVE



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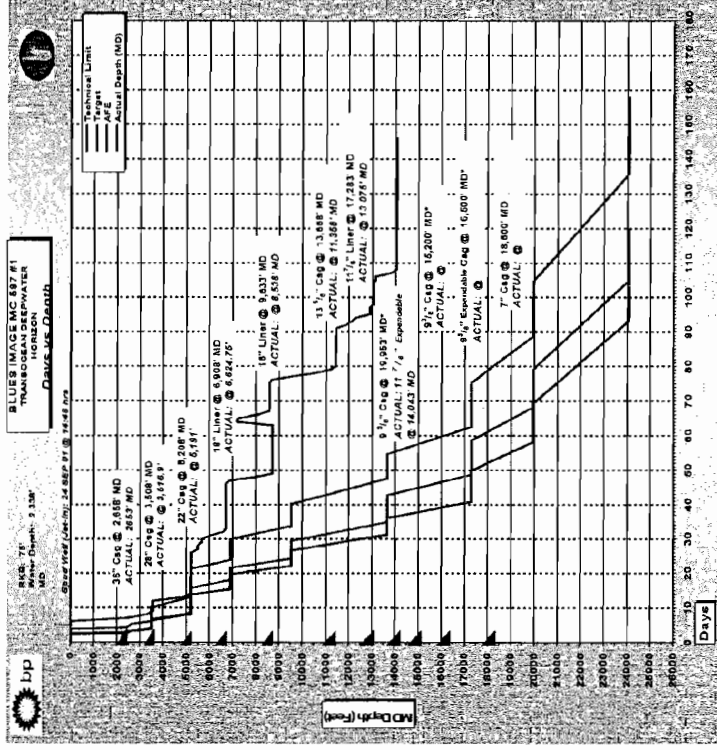
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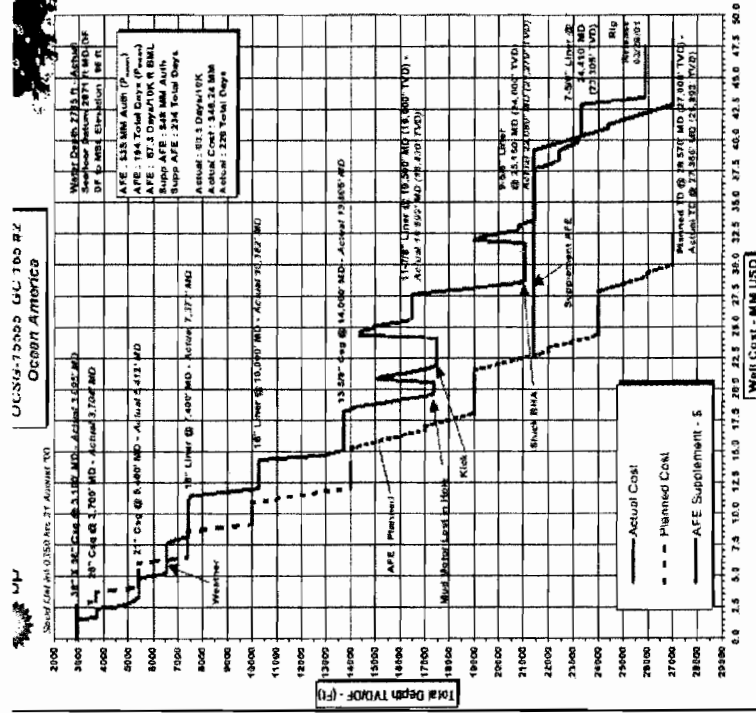
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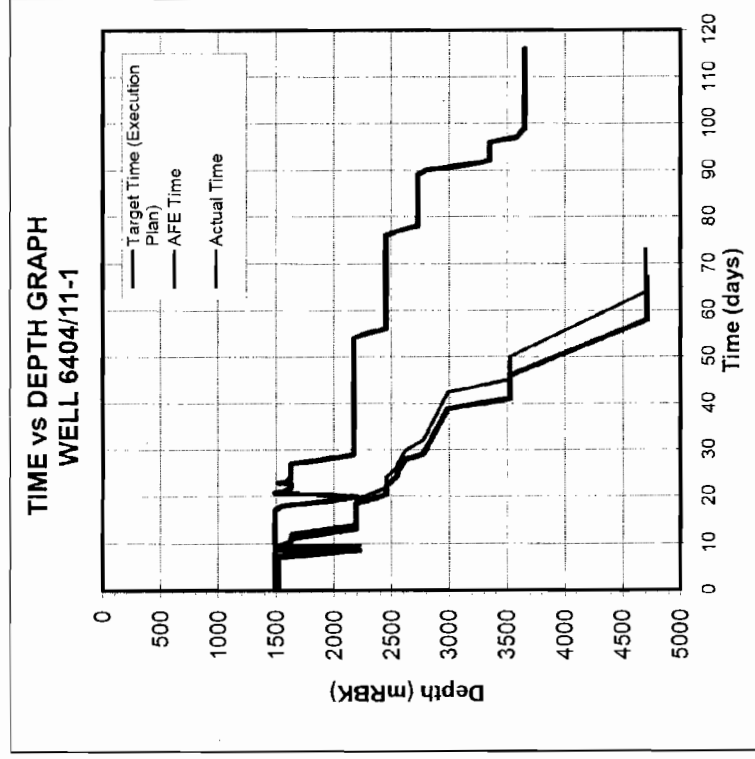
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SouthPass								D G
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