DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth: 323 to 440m

36" Hole - 30" Conductor

Mud Type: Spud Mud

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	50 kg/sx	200	$ 6.50	$ 1,300.00
Bentonite	M.T.	25	$ 405.56	$ 10,139.00
Caustic Soda	20 kg/sx	8	$ 22.05	$ 176.40
Lime	40 kg/sx	11	$ 5.15	$ 56.65
Soda Ash	50 kg/sx	8	$ 22.81	$ 182.48
Mica Fine	25 kg/sx	4	$ 19.38	$ 77.52
			Total:	$ 11,932.05

Total cost : $ 11,932.05

Cost per meter : $ 101.98

Total volume made: 1880 bbls

Total volume lost: 1880 bbls

Meters drilled : 117 m

$ 1,307 over estimated cost, can be contributed to 200 sx Barite, used as weight for temperture guide base not included in tender.

DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth: 440m to 913m

24" Hole - 18-5/8" CSG

Mud Type: Native

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.. .	44	$ 142.00	$ 6,248.00
Bentonite	M.T.	32	$ 405.56	$ 12,977.92
Caustic Soda	25 kg/sx	21	$ 22.05	$ 463.05
Soda Ash	50 kg/sx	11	$ 22.81	$ 250.91
Lime	40 kg/sx	12	$ 5.15	$ 61.80
			Total:	$ 22,001.68

Total cost : $ 22,001.68
Cost per meter : $ 42.29
Total volume made: 1247 as mud
Total volume lost: 2316 as mud & seawater
Meters drilled : 473m

This section was drilled at 67% of tender price. This is due to native mud being utilized.

DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth: 913m to 1971m

17-1/2" Hole - 13-3/8" CSG

Mud Type: CMC/Gypsum

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.	162	$ 142.00	$ 23,004.00
Bentonite	M.T.	46	$ 405.56	$ 18,655.76
Caustic Soda	25 kg/sx	130	$ 22.05	$ 2,866.50
Soda Ash	50 kg/sx	7	$ 22.81	$ 159.67
Gypsum	40 kg/sx	425	$ 10.90	$ 4,632.50
CMC H.V.	25 kg/sx	79	$ 68.30	$ 5,395.70
CMC L.V.	25 kg/sx	178	$ 65.70	$ 11,694.60
Spersene	25 kg/sx	74	$ 21.90	$ 1,620.60
D.D.	55 gal/dr	4	$ 567.00	$ 2,268.00
Drispac	25 kg/sx	2	$ 198.50	$ 397.00
Nut Plug	50 kg/sx	4	$ 20.00	$ 80.00
			Total:	$ 70,774.33

Total cost : $ 70,774.33
Cost per meter : $ 66.89
Total volume made: 3194 bbls
Total volume lost: 3134 bbls
Meters drilled : 1058 mtrs

This section was drilled at 81.92% of original estimate due to less volume required.

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WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth: 1971m to 1990m

12-1/4" Hole

Mud Type: CMC/Gypsum

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.	156	$ 142.00	$ 22,152.00
Bentonite	M.T.	52	$ 405.56	$ 21,089.12
Caustic Soda	25 kg/sx	57	$ 22.05	$ 1,256.85
Gypsum	40 kg/sx	261	$ 10.90	$ 2,844.90
Soda Ash	50 kg/sx	6	$ 22.81	$ 136.86
CMC H.V.	25 kg/sx	102	$ 68.30	$ 6,966.60
CMC L.V.	25 kg/sx	90	$ 65.70	$ 5,913.00
Spersene	25 kg/sx	61	$ 21.90	$ 1,335.90
Drispac	25 kg/sx	34	$ 198.50	$ 6,749.00
			Total:	$ 68,444.23

Total cost : $ 68,444.23
Total volume made: 1104 bbls
Total volume lost: 1397 bbls
Meters drilled : 19 m
Cost per meter : $ 3,602.33

The high cost of this section can be contributed directly to the problems encountered , higher mud weights and a more inhibitive system required.

DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth 1794m to 2149m

12-1/4" hole - Side Track A

Mud Type: CMC/Gyp

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.	79	$ 142.00	$ 11,218.00
Bentonite	M.T.	4	$ 405.56	$ 1,622.24
Caustic Soda	25 kg/sx	3	$ 22.05	$ 66.15
Gypsum	40 kg/sx	150	$ 10.90	$ 1,635.00
CMC H.V.	25 kg/sx	18	$ 68.30	$ 1,229.40
CMC L.V.	25 kg/sx	75	$ 65.70	$ 4,927.50
Drispac	25 kg/sx	16	$ 198.50	$ 3,176.00
Spersene	25 kg/sx	8	$ 21.90	$ 175.20
XP-20	25 kg/sx	8	$ 33.76	$ 270.08
D.D.	55 gal/dr	11	$ 567.10	$ 6,238.10
Magconol	55 gal/dr	1	$ 1049.00	$ 1,049.00
			Total:	$ 31,606.67

Total cost : $ 31,606.67
Total volume made: 490 bbls
Total volume lost: 65 bbls
Meters drilled : 355 m
Cost per meter : $ 89.03

Costs for this second attempt can again be contributed to a higher wt. mud with lower filtrate loss.

DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth 1860m to 2780m

12-1/4" Hole - Sidetrack B

Mud Type: CMC/Gyp

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.	915	$ 142.00	$ 129,930.00
Bentonite	M.T.	19	$ 405.56	$ 7,705.64
Caustic Soda	25 kg/sx	236	$ 22.05	$ 5,203.80
Gyp	40 kg/sx	575	$ 10.90	$ 6,267.50
CMC H.V.	25 kg/sx	57	$ 68.30	$ 3,893.10
CMC L.V.	25 kg/sx	265	$ 65.70	$ 17,410.50
Lime	40 kg/sx	10	$ 5.15	$ 51.50
Spersene	25 kg/sx	716	$ 21.90	$ 15,680.40
XP-20	25 kg/sx	172	$ 33.76	$ 5,806.72
D.D.	55 gal/dr	5	$ 567.10	$ 2,835.50
Magcolube	55 gal/dr	5	$ 924.10	$ 4,620.50
Bicarbonate	50 kg/sx	4	$ 26.10	$ 104.40
Soda Ash	50 kg/sx	18	$ 22.81	$ 410.58
			Total:	$ 199,920.14

Total Cost : $ 199,920.14
Total Volume Made: 4313 bbls
Total Volume Lost: 4040 bbls
Meters Drilled : 920 mtrs
Cost Per Meter : $ 217.30

The high cost for completing this section can again be contributed directly to high mud weights and poor solids equipment requiring large volumes of dilution mud to control Low Gravity Solids percentages.

DRESSER

WELL SUMMARY

MATERIAL CONSUMPTION AND COSTS BY INTERVAL

Depth 2771m to 3693m

8-1/2" Hole

Mud Type: Spersene/XP-20

PRODUCT	UNIT SIZE	UNITS	UNIT COST	COST
Barite	M.T.	115	$ 142.00	$ 16,330.00
Bentonite	M.T.	114	$ 405.56	$ 46,233.84
Caustic Soda	25 kg/sx	177	$ 22.05	$ 3,902.85
Gyp	40 kg/sx	13	$ 10.90	$ 141.70
CMC H.V.	25 kg/sx	2	$ 68.30	$ 136.60
CMC L.V.	25 kg/sx	21	$ 65.70	$ 1,379.70
Lime	40 kg/sx	20	$ 5.15	$ 103.00
Spersene	25 kg/sx	717	$ 21.90	$ 15,702.30
XP-20	25 kg/sx	365	$ 33.76	$ 12,322.40
Resinex	25 kg/sx	531	$ 81.58	$ 43,318.98
Soda Ash	50 kg/sx	12	$ 22.81	$ 273.72
Drispac	25 kg/sx	16	$ 198.50	$ 3,176.00
Magcolube	55 gal/dr	3	$ 924.10	$ 2;772.30
Mica Course	25 kg/sx	10	$ 21.40	$ 214.00
Nut Plug Course	50 kg/sx	25	$ 20.00	$ 500.00
			Total:	$ 146,507.39

Total Cost : $ 146,507.39
Total Volume Made: 4831 bbls
Total Volume Lost: 5121 bbls
Meters Drilled : 922 mtrs
Cost Per Meter : $ 158.90

50% more volume was required to drill this section than programmed. Indications point to poor solids control equipment as being the problem.