

ON-LINE TDC  
GEOSERVICES

HYDRAULIC REPORT

3/ 9/82 TIME 3:50

CAPE SORELL # 1

466660

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\* DEPTH OF EXECUTION 11576.04 FEET \*  
\* FLOW RATE 330 GPM POWER LAW \*

\* MUD DATA WEIGHT 9.50 PPG \*  
\* PV 16 CPS \*  
\* YP 12.00 LB/FT2 \*  
\* GEL 4.00 LB/100 FT2 \*  
\* N .7370 \*  
\* K .2422 LB/100 FT2 \*

\* HOLES VOLUMES WITH PIPES 777.25 BBL \*  
\* WITHOUT PIPES 933.57 BBL \*  
\* ANNULAR 644.61 BBL \*  
\* INSIDE PIPES 132.64 BBL \*

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\* FROM TO \* PIPE \* PIPE \* HOLE \* P.LOSSES \* H.P \* TYPE \* CRITICAL \* MUD \* CUTTINGS \*  
\* ID OD DIAM \* FLOW \* VELOCITY VELOCITY \*  
\* FEET \* INCH INCH INCH \* PSI \* GPM \* FT/MN FT/MN \*

*SURF. EQPT*											
*DR.STRING*	.00	4063.50	* 3.50	5.00	* 276	53	*				
*DR.STRING*	4063.50	10573.50	* 3.50	5.00	* 441	85	*				
*DR.STRING*	10573.50	11031.17	* 3.00	5.00	* 65	13	*				
*DR.STRING*	11031.17	11604.50	* 2.25	6.25	* 324	62	*				
*BIT	*	*	*	*	* 068	167	* FT/S	*	319.8	*	*
*ANNULUS	* 11576.04	11002.63	*	6.25	8.50	* 17	3 * LA	353.1	* 243.7	238.7	*
*ANNULUS	* 11002.63	10544.96	*	5.00	8.50	* 6	1 * LA	388.5	* 171.2	167.9	*
*ANNULUS	* 10544.96	9002.00	*	5.00	8.50	* 19	4 * LA	388.5	* 171.2	167.9	*
*ANNULUS	* 9002.00	4034.96	*	5.00	8.75	* 52	10 * LA	407.2	* 156.9	153.7	*
*ANNULUS	* 4034.96	381.00	*	5.00	8.75	* 39	7 * LA	407.2	* 156.9	153.7	*
*ANNULUS	* 381.00	.00	*	5.00	17.37	* 1	0 * LA	1089.5	* 29.2	27.3	*
* TOTAL*	*	*	*	*	* 2120	410	*	*	*	*	*

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\*ANNULAR PRESSURE LOSSES 133 PSI

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\*EQUIV.CIRCULATING DENSITY 9.72 PPG

\* MAX DEPTH 36694.09

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\* MUD LAG TIMES S -> B 16.00 MN

\* B -> S 82.04 MN

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\* CUTTINGS DATA SIZE .10 IN

\* DENSITY 20.00 PPG

\* LAG TIME 84.37 MN

\* MAX SLIP VELOCITY 5.05 FT/MN

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\* BIT DATA SIZE 8.50 INCH

\* NOZZLES 12 12 12 /32NDS

\* NOZZLES EFFICIENCY 75 %

\* BIT P. LOSSES 868 PSI

\* H.H.P RATIO 40.77 %

\* BIT H.H.P 2.944

\* BIT VELOCITY 319.75 FT/S

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