



Baroid Drilling Fluids, Inc.



DRILLING MUD REPORT NO. 18

DATE 3-19 1996	DEPTH 6929	☐ ft ☐ m
SPUD DATE 3-2-96	PRESENT ACTIVITY TOH	

OPERATOR Davis Pet	CONTRACTOR 4 Corners Drly	RIG NO. 14
REPORT FOR Ken Payne	REPORT FOR Jim Andes	SECTION, TOWNSHIP, RANGE 19-4N-1E
WELL NAME AND NO. Angel Eyes #1	FIELD OR BLOCK NO. Behen	COUNTY, PARISH OR OFFSHORE AREA Socorro
		STATE/PROVINCE NM

⑥ DRILLING ASSEMBLY		CASING 123	MUD VOLUME ☐ bbl ☐ m ³	CIRCULATION DATA	
BIT SIZE 8.5	TYPE SP2F	JET SIZE 12.5	SURFACE SET 1023	HOLE 515	PITS 250
DRILL PIPE SIZE 4.5	TYPE XH	LENGTH 12.5	INTERMEDIATE SET @	TOTAL CIRCULATING VOLUME 765	PUMP SIZE 6X8
DRILL PIPE SIZE	TYPE	LENGTH 8.4	INTERMEDIATE SET @	IN STORAGE	WEIGHT
DRILL COLLAR SIZE 6.5	LENGTH 7.5	PRODUCTION OR LINER SET @	MUD TYPE LSIWD	vol/stk 1.666	stk/min 102
				vol/min 6.73	282
					ANNUAL VEL. DP 123
					DC 202
					PUMP MAKE, MODEL
					ASSUMED EFF 75%
					CIRCULATION PRESSURE 1700
					psi
					bottoms UP (min) 76
					total CIRC. TIME (min) 114

Sample From		☐ F.L. ☐ PIT	☐ F.L. ☐ PIT	☐ F.L. ☐ PIT	WEIGHT 80.9.2	VISCOSITY 45-50	FILTRATE 6-8
Time Sample Taken 8:30 AM					BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTRACTOR ☐ OPERATOR'S REPRESENTATIVE ☐ OTHER		
Flowline Temperature ☐ °F ☐ °C 130°					RECOMMENDED TOUR TREATMENT		
Depth ☐ ft ☐ m 6929					HYG-200 As Needed for 45-50 vis.		
Weight ☒ lb/gal ☐ lb/cu. ft. ☐ Sp.G. ☐ kg/m ³ 8.9					Soda Ash 12 slcs per Tour		
Funnel Viscosity ☐ sec/qt API @ ☐ °F ☐ sec/L @ ☐ °C 51					Caustic - 2 slcs per Tour 9.5-10.0 PH		
Plastic Viscosity cP @ ☐ °F ☐ °C 15					Desco - 6 slcs per Tour		
Yield Point ☐ lb/100 ft ² ☐ Pa 17					Pac A - 2 slcs per Tour for 6-8 sl		
Gel Strength (10 sec/10 min) ☐ lb/100 ft ² ☐ Pa 8.15					Water - 6-8 gal per Min 9.0-9.2		
Filtrate API cm ³ /30 min 8.9					REMARKS		
API/HTHP Filtrate cm ³ /30 min @ ☐ °F @ ☐ °C					LCM if Needed		
Cake Thickness API/HTHP ☐ 32nd in. ☐ mm 3					Keep Sand Trap Clean		
Solids Content (% by Vol.) ☐ calculated ☐ retort 4					Run Desilter 6 hrs per Tour		
Liquid Content (% by Vol.) Oil/Water 96							
Sand Content (% by Vol.) 11							
Methylene Blue Capacity ☐ lb/bbl equiv. ☐ cm ³ /cm ³ mud							
pH ☐ Strip ☐ Meter @ ☐ °F ☐ °C 9.0							
Alkalinity Mud (P _m) ml							
Alkalinity Filtrate (P _f /M _p) ml/ml 11.25							
Alternate Alkalinity Filtrate (P ₁ /P ₂) ml/ml							
Chloride, mg/L 13100							
Total Hardness as Calcium, mg/L 480							

PRODUCT UNIT COST	BAROID (BULK)	BAROID (REG)	HYG-200 158	Soda Ash 11.80	Lime 9.63	Caustic 29.96	E2 Mud 122.41	Bitcarb 22.53	Pac A 241.29	C.Fiber 11.32	M.Seal 29.96	T.Thin 106.05	Desco 64.20	A.Stone 77.27	Trucking	Engineer	SOLIDS CONTROL EQUIPMENT			
STARTING INVENTORY																	SHKR 1	MAKE/ BRAND	SIZE/ SCREENS	HRS
RECEIVED			420						20				80	1			SHKR 2			
D.T. #																	SHKR 3			
USED LAST 24 HR.			20	11		5			8			6	6				SHKR 4			
COST LAST 24 HR.			124	130		150			1930			636	385		810	325	DESAND			
CUMULATIVE RECEIVED					5			10									DESILT	A.7		
CUMULATIVE USED					4												M CLNR			
CLOSING INVENTORY			540	147	1	61	24	10		100	120	16	74	1			CENT 1			
PRODUCT ☐ lb/bbl																	CENT 2			
Est CONC. ☐ kg/m ³																				

BAROID REPRESENTATIVE	OFFICE/HOME Super 8 #200	TELEPHONE 864-8188	DAILY COST \$4490.00	CUMULATIVE COST 37,929.00
Leean Berg	WAREHOUSE Farmington	TELEPHONE 325-1896		

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