BIT DATA		C	ASING 8	DRILLING ASSEMBLY			Pit Vol. 250		PUMP #1		PUN	AP #2	HYDRAULICS				
Bit Size 7 7/8		Size 8 5/		set @			Pipe Capacity		Ideco		Ideco		ANNULAR VELOCI			ITY	
Bit Type		_		set@		Ft		bbls		x14		x14		Pipe		ft/mii	
Bit No.	3 .	Size		set @		Ft		olume	54	SPM	0	SPM		Collar		ft/mir	
Jets (32nd)		Size Drill Collar		set @	0.05	Ft	246 bbls Hole Volume			5.52 G/ST		0.00		CIRCULATING			
16	18	Drill Co		6 1/4	2.25	283		bbls	298 GPM 7.10 BPM				400 psi BOT. UP 35			min	
10		Drill Pi		4 1/2	3.826	3562		Cir Vol		GPM	Tota	IBPM		TO BIT	7.3	min	
H.W. Drill Pipe							bbls		298		10 TOT. CIR TII			77	min		
Sample From V Flowline Pit				Mud Properties			Calculate Alkalinit		y Check				HYDRAULICS				
Flowline Temperature (°F)				94										Ft/Sec	Noz	zle Are	
						-	_								-	AVELEN SERVICE	
Time Sample Taken				9am			-					power				3 Sq I	
Depth (ft)				3,845				Impact Force 3.9 lbf/S					ECD				
Mud Weight (ppg)				9.0			Press Loss at Bit 153psi						9.	2 ppg			
Mud Gradient (psi/ft)				0.4680			Press Loss at Bit 38%										
Funnel Viscosity @ P				47			Recommended Equipment										
Plastic Visc.cp @			°F	14			Cntrfuge		Shaker Des		Desande	er 🔲	Other				
Yield Point (lb/100ft2)				9	19		Degasser Desilter D										
Gel Strength) 10-sec		1			Recommended Mud Properties										
Gel Strength			_	12			By Authority of: Company Representative Drilling Contractor										
							-		_						_		
Gel Strength	(Ib/100ft ⁻)	30-min		14						Filti	rate:	8-10cc	122	osity:	50	-	
Filtrate API (cm3/30 min)				10.2			LC	LCM: 10.0 Excess Lime:							lb/b		
Filtrate AP	HTHP (cm3/30 m	in)						RE	COMME	NDED T	OURLY	TREATM	ENT			
Cake Thickne	ess (/3:	2nds)		2			GEL> for a 50sec/qt viscosity to LOG										
Solids Content (% by vol)				4.8			Caustic> 3 sks Days										
				95.2			Lignite> 2 sks Days										
Water Content (% by Vol.)				.5													
Sand Content (% by vol)				.5			Regure and break circulation at least once an value way book to better										
Bentonite Content (Ib/bbl)							Be sure and break circulation at least once on your way back to bottom										
pH Strip Meter				9.5			from Logging										
Alkalinity Mud (Pm) cm3 N/50 Acid				.8													
Alkalinity, Pf / Mf				.3/1.9													
Chloride (mg/l)				1000			HULLS> for 10-12#/bbl. LCMCHECK OFTEN										
Total Hardness as Calcium (mg/l)				40			Water> for a 8.9-9.1#/gal mud wt.										
Oil Content																	
				10			let and along with to unit PUT learn plants of the control of										
LCM (lb/bbl)				10			Jet and clean pits tourly BUT keep plenty of volume in case of loss										
Excess Lime (lb/bbl)							KEEP HOLE FULL AT ALL TIMES! DAILY REMARKS										
Solids Anal																	
L.G. Solids	100000	%	The second second second second	.G. Solids		%	MUD LOC	MUD LOOKS GOOD—Thank you guys									
L.G. Solids		ppb		.G. Solids		ppb											
Correcte	d Solids	ppb	%		je Sp. Gr.	ppb	-										
Ch	nemicals	Gel	Lime	Soda Ash	Caustic	Lignite	Drispac	Hulls	Pallets	Shrink	Cedar	Maxi				T	
Cost per	Unit	11.35	7.80	26.21	46.00	18.80	258.00	11.15	18.50	15.50	16.65	21.20					
Starting I	nventory	285	3	31	48	36	1	230	15	15	33	32					
Chemicals R	Received																
Closing I		280	3	31	45	34	1	210	10	5	30	30					
Chemica	-	5	0	0	3	2	0	20	5	10	3	2					
	aily Cost	56.75	0.00	0.00	138.00	37.60	0.00	223.00	92.50	155.00	49.95	42.40					
	nemicals													" 0 1		004	
Cost Per Unit												Est		ily Cost:		19 604	
Staring Inventory Chemicals Received												Est. Cumulative Cos Est. Drayage			18,601		
Closing Inventory												Est. Taxes:				39	
Chemica	_													unusi			
	aily Cost																
TECHNICAL REP:			G	ary Fleming		ADDF	RESS:		En	Enid		PHONE:		580-541-2158			
CELL PHONE NO.			,														
ANS. SERVICE:				WAR			EHOUSE:	USE:				PHONE:					
																10	