

NIOBARRA DEVELOPMENT WELL

SUPERVISOR Hartkins		24 HR PROJ 1127		TMD 1427		TVD 1427		REF # 2		DATE 5-25-01	
WELL NAME Smith-Stewart 51		FIELD NAME Cherry Cr		AUTH ID 1550		DAILY TANK \$		CUM TANK \$			
CURRENT STATUS Circulating @ 1427' KB		24 HR FORECAST Log, Run & Cmt Prod Cn, Release rig		DAILY INT \$		CUM INTANG \$					
LITHOLOGY Shale, Chalk		LAST CASING 7" IN @ 319'		NEXT CASING 7 1/2" IN @ 1413'		DAILY TOTAL \$ 14851		CUM COST \$ 25216			
MUD DATA		ADDITIVES		QTY		MTR RUN DATA		MTR DATA			
WENS	8.7	KCL	126	BIT #	1	2	BIT #	1	2	STROKE	5 1/2
VIS	40	Starch	50	SIZE (in)	9 7/8	6 1/4	DEPTH IN	5	325	LINE	10
WL - API	4.0	Driscoll	4	WFR	-	Moore	DEPTH OUT	325	1427	SPM	72 X 2
PH	-	Rings out	2	TYPE	-	Drag	WOB	2.10	5.12	OUTPUT (KWH)	395
		Soda Ash	1	SERIAL #	-	-	RPM	60.95	75005	PRESS (PSI)	225
		Surf drill	1	RTS 1/2/3	18	18					
		Petrolube	1								
OPERATIONS SUMMARY											
0700	0730	1/2	Drilling 300 - 325' KB Shale @ 175' KB								
0730	0815	3/4	Circulate @ 325' KB								
0815	1000	13/4	Trip out - Trip in - Wiper Trip								
1000	1030	1/2	Circulate @ 325' KB								
1030	1100	1/2	TOOL								
1100	1115	1/4	Rig up to run casing								
1115	1315	2	Ran 11 J45 (314.53') 7" 17" H-40 8ad STC open-ended casing w/1 centralizer landed @ 319' KB.								
1315	1330	1/4	Circulate casing @ 319' KB								
1330	1400	1/2	Pump 7 Bbl fresh water pretlush, 90 SX regular w/ 3% cc premixed @ 15.3 PPG, displaced w/ 11.5 Bbl mud. Circulate 2 Bbl cement to surface Cement in place @ 14:00								
1400	2200	8	WOC								
2200	0615	8 1/4	Drilling 325 to 1427' KB								
0615	0700	3/4	Circulate @ 1427' KB								
			Rig 9 7/8 hole 150								
			Rig 6 1/4 hole 14326								
			Rig haul water 375								
			14851								
24 HR SUMMARY											
Drill surf, run & cmt surf casing, WOC, drill to TD, Circulate											

DAILY DRILLING REPORT

NIOBRARA DEVELOPMENT WELL

DATE: 5-26-01		TIME: 1427		TIME: 1427		REPT # 3	
SUPERVISOR: D Harkins		24 HR PROGS: -0-		FIELD NAME: Cherry Cr		DAILY TANG: -	
RIG NAME & #		STEWART 51		AUTH ID: 1550		DAILY INT: -	
CURRENT STATUS: WOB Production Casing		24 HR FORECAST: WOB		DAILY TOTAL: 15017		CUM TANG: -	
LITHOLOGY: -		LAST CASING: 4 1/2 IN @ 1413'		NEXT CASING: -		CUM INTANG: -	
						CUM COST: 40,237	
						AUTH COST: -	

MUD DATA				ADDITIVES				QTY				MATERIALS SUMMARY				MUD DATA			
DENS												BIT #				STROKE			
(lb/gal)																5 1/2			
VIS												SIZE				DEPTH IN			
(sec/cf)												(in)				10			
WL - API												MFR				DEPTH OUT			
																72			
												TYPE				WOB			
																195			
												SERIAL #				PRESS			
																175			
												ARTS LOGS							

TIME		HOURS		MATERIALS SUMMARY	
0700	0715	1/4	Circulate @ 1427' KB		
0715	0745	1/2	Short Trip 1427 - 1082		
0745	0830	3/4	Circulate @ 1427' KB		
0830	1400	5 1/2	Wait on Schlumberger - Circ @ 1427' KB		
1400	1600	2	Lay down drill string		
1600	1730	1 1/2	Wait on Schlumberger		
1730	1930	2	Schlumberger ran E-Logs; DIL		
			1419 - 318, CNL/FDC 1397 - 450, Logger		
			TD 1427' KB. Boecher Island 1240 -		
			1278, Ave Res 3 1/2, min 3, max 4 1/2		
			Ave XO 1240 - 1268 21%, 1268 - 1278		
			24%.		
1930	2000	1/2	Rig Up to run Prod Csg		
2000	2200	2	Ran SS Float Shoe (1427') on 34 JTs		
			(1407.67') Now 4 1/2 10" J-55 8rd JTC		
			Casing. Total 1409.09' Set @ 1413' KB		
			PBTID 1371' KB		
2200	2230	1/2	Circulate Casing @ 1413' KB		
2230	2300	1/2	Pump 10 Bbl fresh water preflush,		
			100 SK regular premixed @ 15.3 PPG,		
			Wash out lines, displace latch		
			down plug to a shut off w/ 21.8 Bbl		
24 HR SUMMARY					
Wait on Schlumberger, Log, run & cement Prod Csg,					
hang casing, release rig					

DAILY DRILLING REPORT NIOBRARA DEVELOPMENT WELL

NAME 1-10 Harkins		24 HR PROG		TMD 1427	TVD 1427	REPT # 3 Cont'd	DATE 5-26-01		
SUPERVISOR Walt Smith		RIG NAME & # Howard SI-Cherry CR		FIELD NAME 1550		AUTH TO			
CURRENT STATUS						DAILY TANG \$	CUM TANG \$		
24 HR FORECAST						DAILY INT \$	CUM INTANG \$		
LITHOLOGY						DAILY TOTAL \$	CUM COST \$		
LAST CASING IN @ FT				NEXT CASING IN @ FT		AFE #		AUTH COST \$	
MUD DATA		ADDITIVES		QTY		BIT RUN DATA		MUD DATA	
DENS (ppg)						BIT #			STROKE
VIS (sec/qt)						SIZE (in)			LINER
WL- API						MFR			SPM
pH						TYPE			OUTPUT (gpm)
						SERIAL #			PRESS (psi)
						NETS 1/2/3			
FROM	TO	HOURS	OPERATIONS SUMMARY						
			Fresh water. Good circulation						
			While cementing. Plug down						
			@ 23:00 Float held - OK						
2300	2330	1/2	Hang casing w/ 12,500#. Flange						
			up wellhead. Rig Released @ 23:30						
2330	-	-	Rigging Down						
			Rig Day work 9 hr 2475						
			Schlumberger 4000						
			Wellhead 575						
			Float Equip 775						
			Handle Csg 200						
			Casing 5462						
			Cement 865						
			PCI 565						
			Nervin 100						
			15017						
24 HR SUMMARY									
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