

IN LIEU OF CEMENT TICKET (SURFACE)
DAILY DRILLING REPORT

NIOBRARA DEVELOPMENT WELL - OK'ed by DAVE WILLIAMS

WELL NAME 2-17 Holzwarth		24 HR PROG 468	TMD 473	TVD -	REPT # 1	DATE 3-16-01
SUPERVISOR Walt Smith		RIG NAME & # Stewart 51	FIELD NAME Cherry CR	AUTH TO 1600	DAILY TANG \$ -	CUM TANG \$ -
CURRENT STATUS Drilling 6 1/4 hole					DAILY INT \$ -	CUM INTANG \$ -
24 HR FORECAST Drill to TD					DAILY TOTAL \$ 14125	CUM COST \$ 14125
LITHOLOGY SD, shale, clay		LAST CASING 7 IN @ 327 FT	NEXT CASING 4 1/2 IN @ 1380 FT		AFE # -	AUTH COST \$ -
MUD DATA		ADDITIVES	QTY	BIT RUN DATA		PUMP DATA
DENS (ppg)	8.7	Gel	29	BIT #	1 2	STROKE
VIS (sec/qt)	36	Driscoll	2	SIZE (in)	9 7/8 6 1/4	DEPTH IN
WL- API	7.5	Polymer	3	MFR	- -	DEPTH OUT
pH	7	KCL	93	TYPE	- Drag	WOB
		Starch	36	SERIAL #	- -	mix max
		Ring out	1	NETS 1/2/3	18, 15, 18	RPM
						mix max
FROM	TO	HOURS	OPERATIONS SUMMARY			

0700	1130	4 1/2	MIRU Notify Herb Dyness, KCC, 3-8-01, 11:23
1130	1645	5 1/4	Drill Surface 5 - 333' (shale @ 165)
1645	1715	1/2	circulate @ 333' KB
1715	1830	1 1/4	TOOTH
1830	2115		Ran 10 Jts (322.18) used 7" 17" 828 STC open-ended w/ Centralizer landed @ 327' KB. Pumped 7 Bbl Water pre flush @ 15° PPG, displace w/ 13.3 Bbl Fresh Water circ 2 Bbl Cement to surface Cement in place @ 2115
2115	0500	7 3/4	WOC drill cmt 62' cmt
0500	0700	2	Drill 333 - 473
			Rig Mob - Demob 1000
			Rig Surf 9840
			Rig 6 1/4" 1820
			Pts - 200 Sessions
			SA + loc 200 Andrew
			handle cmt 150 Sessions
			Konin 100
			PCI 565
			Water 250

24 HR SUMMARY
MIRU, Drill surface, Ran 1 cmt + Surf Coq, WOC,
Drill

DAILY DRILLING REPORT
NIORARA DEVELOPMENT WELL

WELL NAME 2-17 Holzworth	24 HR PROG 907	TMD 1380	TVD -	REPI # 2	DATE 2-17-01
SUPERVISOR Walt Smith	TRIG NAME & # Stewart 51	FIELD NAME Cherry Cr	AUTH TO 1600	DAILY TANG \$ -	CUM TANG \$ -
CURRENT STATUS Running E-Loggs	24 HR FORECAST Run & Cmt Prod C39			DAILY INT \$ -	CUM INTANG \$ -
LITHOLOGY	LAST CASING 7 in @ 327 ft	NEXT CASING 4 1/2 in @ 1380 ft	AFE # -	DAILY TOTAL \$ 12756	CUM COST \$ 27181
				AUTH COST \$ -	

MUD DATA		ADDITIVES		QTY	BIT RUN DATA		PUMP DATA		
DENS (ppg)	8.8	KCL	33	BIT #	2	BIT #	2	STROKE	10
VIS (sec/ft)	38	Driscac	1	SIZE (in)	6 1/4	DEPTH IN	333	LINER	5
WL-API	6			MFR	-	DEPTH OUT	1380	SPM	72
pH	7			TYPE	TYAG	WOB (lb-ft)	10,200	OUTPUT (GPM)	195
				SERIAL #	-	RPM	90-100	PRESS (PSI)	375
				JETS 1/2/3	1 1 1				

FROM	TO	HOURS	OPERATIONS SUMMARY
0700	1300	6	Drill 468-842
1300	1345	3/4	TODTS 842-340
1345	1445	1	Rig Repair - Adjust main clutch
1445	1515	1/2	TIA 340-842
1515	0230	1 1/4	Drill 842-1380
	0300	1/2	Circ @ 1380
	0430	1 1/2	Short trip 1380-920, WSR 60 to Bottom
	0545	3/4	Circ @ 1380
0545	0700	1 1/4	Lay down drill string
			Water Truck 300
			Rig fgc 11797
			Kevin 100
			PCI 565
			<u>12756</u>

24 HR SUMMARY
Drill, Rig Repair, Drill, Circ, Short trip, Circ, Lay down string, Log

DAILY DRILLING REPORT
NIOBARA DEVELOPMENT WELL

WELL NAME 2-77 Holzworth	24 HR PROG -0-	TMD 1380	TVD -	REPT # 3	DATE 3-18-01
SUPERVISOR Walt Smith	RIG NAME & # Stewart 51	FIELD NAME Cherry Cr	AUTH ID -	DAILY TANG \$	CUM TANG \$
CURRENT STATUS WOC Prod Csg				DAILY INT \$	CUM INTANG \$
24 HR FORECAST Moved to next well				DAILY TOTAL \$ 12589	CUM COST \$ 39770
LITHOLOGY	LAST CASING IN @	FT	NEXT CASING IN @	AFE #	AUTH COST \$

MUD DATA		ADDITIVES	QTY	BIT RUN DATA				PUMP DATA						
DENS (lb/gal)	VIS (sec/cp)	WL- API	pH	BIT #	SIZE (in)	MFR	TYPE	DEPTH IN	DEPTH OUT	STROKE	LINER	SPM	OUTPUT (bbl)	STRESS (psi)

FROM	TO	HOURS	OPERATIONS SUMMARY
0700	0900	2	LOGS
0900	1130	2 1/2	Run 5-Logs; DIL 1378-325, CNL-FDC 1368-400', Log TD 1386, Beecher Island 1227-1265, Ave Res 4, Min 3 1/2, MAX 6, Ave X O 1227-1255 1440, 1255-1265 19%
1130	1730	6	Run & Cmt 4 1/2 Prod Csg Run ss float shoe 1.42' on 34 Jt5 (1366.63') new 4 1/2 10.5 J-55, grad 575 casing. Total 1368.05' Set @ 1372' KB PSTD 1330' KB Circ 1/2 hr. Pump 10 bbl fresh water preflush, 100 sx regular premixed @ 153 PPG. Wash out lines. Displace w/ 21.1 bbl fresh water. Float held.
1730	1800	1/2	Flang casing w/ 11,800# Flange of Wellhead
1800	-	-	Rig Released @ 18:00, Rigging Down

24 HR SUMMARY	Log, Run & Cmt 4 1/2 Prod Csg, Flang casing, Release Rig	PAGE 1 of 2
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