DAILY DRILLING REPORT
NIOBRARA DEVELOPMENT WELL

WELL NAME: NEITZEL 1-12	SURF CSG: 315	MD: 320	TVD: 320	REPT #: 1	DATE: 5/20/01
SUPERVISOR: ANDY PETERSON	RIG NAME & #: STEWART 51	FIELD NAME: CHERRY CREEK	AUTH TD: 1475	DAILY TANG: $	CUM TANG: $
CURRENT STATUS: WOC				DAILY INT: $	CUM INTANG: $
24 HR FORECAST: DRILL TO TD, LOG				DAILY TOTAL: $ 10,775	CUM COST: $ 10,775
LITHOLOGY: SHALE	LAST CASING: 7 IN @ 315 FT	NEXT CASING: 4½ IN @ TD FT		AFE #:	AUTH COST: $

MUD DATA			ADDITIVES	QTY
DENS (PPG)	8.5		GEL	20
VIS (SEC/QT)	45		SHIZOIL	1
WL - API			RINGSOUT	1
PH			REDMUDBE	1
			SURFOAM	1
			LCL	30

BIT RUN DATA					
BIT #	1		BIT #	1	
SIZE (in)	9⅞		DEPTH IN	5	
MFR	?		DEPTH OUT	320	
TYPE	?		WOB (min/max)	2/10	/
SERIAL #	?		RPM (min/max)	80/90	/
JETS 1/32's	15,15,15	/ /			

PUMP DATA	
STROKE	10
LINER	5½
SPM	72x2
GPM (calc)	395
PRESS (psi)	200

TIME	TO	HOURS	OPERATIONS SUMMARY
1615	1800	1.75	MOVE IN. SPUD NOTICE 16:45 5/17/01 BRUCE BAYCE - ASP
1800	1930	1.50	RIG UP
1930	2015	0.75	MIX MUD
			SPUD 2015 5/19/01
2015	2400	3.75	DRILL 9⅞" HOLE TO 320' KB, BLUE SHALE @ 55'
2400	2430	0.50	CIRCULATE
2430	0130	1.00	SHORT TRIP
0130	0230	1.00	CIRCULATE
0230	0300	0.50	POOH
0300	0315	0.25	NO TONGS TO RUN CSG
0315	0430	1.25	RIH 14 JTS 7" 17# LS & TC SURFACE CSG (310.05')
			OPENENDED w/ 1 CENTRALIZER. CASING
			SET @ 315.05' KB
0430	0500	0.50	CIRCULATE CASING
0500	0530	0.50	CEMENT SURFACE CSG w/ 90 SX REGULAR
			CMT, PREMIXED @ 15.3 PPG. 7 BFW PRE-
			FLUSH, DISPLACED w/ 11.4 BBL MUD, GOOD
			RETURNS, 1 BBL CMT TO PIT.
			CEMENT IN PLACE 0530 CST 5/19/01
0530	0700	1.50	WOC

24 HR SUMMARY: MIRU, DRILL 9⅞" SURFACE HOLE, RUN & CEMENT 7" SURFACE CSG

DAILY DRILLING REPORT
NIOBRARA DEVELOPMENT WELL

WELL NAME: NEITZEL 1-12	REPORT #: 1047	MD: 1367	TVD: 1367	BIT #: 2	DATE: 5/21/01
SUPERVISOR: ANDY PETERSON	RIG NAME & #: STEWART 51	FIELD NAME: CHEYENNE	AUTH TD: 1475	DAILY TANG: $	CUM TANG: $
CURRENT STATUS: LDDS				DAILY INT: $	CUM INTANG: $
24 HR FORECAST: LOG, CASE, CEMENT				DAILY TOTAL: $ 14,661	CUM COST: $ 25,436
LITHOLOGY: NIOBRARA	LAST CASING: 7 IN @ 315 FT	NEXT CASING: 4½ IN @ 1345 FT		AFE #:	AUTH COST: $

MUD DATA			ADDITIVES	QTY
DENS (ppg)	8.6			
VIS (sec/qt)	42			
WL - API	4.8			
PH				

BIT RUN DATA					
BIT #	2		BIT #	2	
SIZE (in)	6 1/4		DEPTH IN	320	
MFR	MOAB		DEPTH OUT	1367	
TYPE	DRAG		WOB (min/max)	2, 10	
SERIAL #			RPM (min/max)	90, 100	
JETS 1/32	/ /	/ /			

SURVEY DATA	
STROKE	10
LINER	5½
RPM	72x2
OUTPUT (gpm)	395
PRESS (psi)	700

FROM	TO	HOURS	OPERATIONS SUMMARY
0700	1330	6.50	WOC (6 HRS TOTAL)
1330	1615	4.75	WORK ON RIG (NEW ROTARY TABLE, SPOOL NEW ϕLINE)
1615	0500	10.75	DRILL 6 1/4" HOLE TO 1367' DTD
0500	0600	1.00	CIRCULATE & TA
0600	0630	0.50	SHORT TRIP 1367-947
0630	0645	0.25	CIRCULATE
0645	0700	0.25	LDDS

24 HR SUMMARY: WOC, DRILL 6 1/4" MAIN HOLE, CIRCULATE, LDDS

NIOBRARA DEVELOPMENT WELL

WELL NEITBER 1-12	FIELD -0-	MD 1367	TVD —	REPT # 3	DATE 5/22/01
SUPERVISOR ANDY PETERSON	RIG NAME & # STEWART 51	FIELD NAME CHEYENNE CRK	AUTH TD 1475	DAILY TANG. $	CUM TANG $
CURRENT STATUS WOC 4½ Prod. Csg				DAILY INT $	CUM INTANG $
24 HR FORECAST WOCT				DAILY TOTAL $12796	CUM COST $38,232
LITHOLOGY	LAST CASING 4½ IN @ FT	NEXT CASING — IN @ — FT		AFE #	AUTH COST $

MUD DATA			ADDITIVES	QTY
DENS (ppg)				
VIS (sec/qt)				
WL - API				
pH				

BIT RUN DATA					
BIT #			BIT #		
SIZE (in)			DEPTH IN		
MFR			DEPTH OUT		
TYPE			WOB (max/min)	/	/
SERIAL #			RPM (max/min)	/	/
JETS 1/32's	/ /	/ /			

PUMP DATA	1	2
STROKE	10	
LINER	5½	
SPM	72	x 2
OUTPUT (gpm)	395	
PRESS (psi)	150	

FROM	TO	HOURS	OPERATIONS SUMMARY
0700	0830	1.50	LDDS
0830	1015	1.75	SCHLUMBERGER RAN PLATFORM EXPRESS AIT-CNL-LDT 1355-315'. LTD 1363' BEECHER ISLAND TOP 1166', BASE 1207' RESISTIVITY MIN 4, MAX 9, AVG 5 DENSITY/NEUTRON SEPARATION 30%
1015	1045	.50	RU TO RUN CSG
1045	1115	.50	WORK ON RIG (THROTTLE LINKAGE)
1115	1430	3.25	RUN 32 JTS 4½" 10.5# J-55 STC NEW CSG (1341.32') W/ GEMOCO SS FLOAT SHOE W/ 5 CENTRALIZERS INSTALLED 1, 3, 5, 7, 9 BROKE CIRCULATION AT 1050' CSG SET @ 1345.82', PBTD 1302.55'
1430	1500	.50	Circulate Casing @ 1345.82' KB
1500	1530	.50	Pump 10 Bbl fresh Water preflush, 100 SX regular premixed @ 15.3 PPG, Wash out lines, displace Latch down plug to a shut off w/ 20.7 Bbl fresh Water. Good circulation while Cmtg. Plug down @ 15:30 Float OK
1530	1600		Hang Csg w/ 12000# Flange up Wellhead Released Rig @ 16:00

24 HR SUMMARY

LOG, INSTALL PRODUCTION CSG, RDMO