



National Cooperative Refinery Association

415 W. Wall, Suite 2215 • MIDLAND, TEXAS 79701 • 915/683-2734

*District
Production
Office*

July 22, 1988

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88241-1980

Attention: Elevyn Downs

Re: Dedicated Acreage
Lease No. NM-0631
Federal 11-20-34 No. 2
Lea County, New Mexico

Dear Evelyn:

The Federal 11-20-34 No. 2, 2080' FWL and 760' FSL of Section 11, T-20-S R-34-E was Shut-In July 6, 1988 and it's acreage dedicated to Federal 11-20-34 No. 3, a newly drilled well completed 7-6-88.

Attached is a copy of the C-102 showing the location of the No. 2 well. This well will be abandoned at a later date.

If you need farther information, please contact me at 915/683-2734.

Very truly yours,

Carrie A. Baze

Carrie A. Baze
Production Clerk

*#2 SI July 6, 1988 - 2080' FWL & 760' FSL
dedicated to #3-L.*

NATIONAL COOPERATIVE REFINERY ASSOCIATION
FEDERAL 11-20-34 #3
1890' FSL X 660' FWL, Section 11, T20S, R34E
Lea County, New Mexico

SURFACE USE PLAN

1. Existing roads and existing wells are shown on the attached map.
2. The proposed location is just off an existing road and no road construction will be required.
3. See No. 1.
4. The anticipated production facilities will consist of a flowline that will leave the wellpad as shown on the attached plat and tie into an existing flowline. This flowline runs to an existing battery that will be expanded if necessary to handle the anticipated hydrocarbon production.
5. Water (both fresh and brine) will be trucked from the closest available source which is believed to be in the northeast quarter of the southwest quarter of Section 13, T20S, R34E.
6. Materials for the construction of the location will consist of caliche which will be hauled from a Federally owned pit located in the southeast quarter of the northwest quarter of Section 25, T19S, R34E, Lea County, New Mexico.
7. All waste materials will be buried on location. Drill cuttings will be allowed to dry then spread evenly in the reserve pit and buried.
8. No camp or airstrip will be constructed for the drilling of this well.
9. The well site layout is shown on the attached plat.
10. Reclamation of the well site will be accomplished according to the surface owner's specifications.
11. The surface of the proposed well location is privately owned by: Mr. Mark Smith c/o Kenneth Smith, Box 764, Carlsbad, NM 88221, phone (505) 887-3374.
12. The proposed location is currently being drained by a Read & Stevens well located 680 feet from NCRA's lease line. That well is called the North Lea Federal No. 1Y.

NCRA's federal 11-20-34 #2 well will be shut in upon the successful completion of the proposed well to honor the current spacing rules in the Lea Penn (Gas) Pool.

Attached is a copy of the Surface Agreement between NCRA and the surface owner.

WRS COMPLETION REPORT

REISSUES SEC 11 TWP 20S RGE 34E
PI# 30-T-0006 07/31/89 30-025-30424-0000 PAGE 1

NMEX LEA * 1890FSL 660FWL SEC NW SW
STATE COUNTY FOOTAGE SPOT
NATIONAL COOP REFINERY D DG
OPERATOR WELL CLASS INIT FIN
3 FEDERAL "11-20-34"
WELL NO LEASE NAME
3653KB 3637GR LEA
OPER ELEV FIELD POOL AREA
API 30-025-30424-0000

LEASE TYPE/NO PERMT OR WELL I.D. NO
04/07/1988 07/06/1988 ROTARY GAS
SPUD DATE COMP. DATE TYPE TOOL STATUS
13300 PNNSYLVN MORANCO 2 RIG SUB 15
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 13348 PB 13254 FM/TD MORROW
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

LOCATION DESCRIPTION

12 MI NE HALFWAY, NM

CASING/LINER DATA

CSG 13 3/8 @ 876 W/ 760 SACKS
CSG 9 5/8 @ 5158 W/ 2075 SACKS
CSG 7 @ 5171 W/ 750 SACKS
CSG 4 1/2 @ 13339 W/ 1590 SACKS

TUBING DATA

TBG 2 3/8 AT 12856

INITIAL POTENTIAL

IPF 33BCPD 1844 MCFD 28/64CK 24HRS
MORROW PERF W/ 4/FT 12964-13235 GROSS
PERF 12964-12970 13001-13014 13105-13106 13201-13206
PERF 13230-13235
ACID 13105-13235 1000GALS
7 1/2% NEFE
TP 3600
FIELD /RESERVOIR
/PENNSYLVANIAN

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER		1602 2051	
LOG	YATES		3695 -42	

CONTINUED IC# 300257001388

REISSUES
PI# 30-T-0006 07/31/89 SEC 11 TWP 20S RGE 34E
30-025-30424-0000 PAGE 2

NATIONAL COOP REFINERY
3 FEDERAL "11-20-34" D DG

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	MID-DELA		5572	-1919		
LOG	BONE SPG		8218	-4565		
LOG	BONE SP1		9460	-5807		
LOG	BONE SP2		9966	-6313		
LOG	BONE SP3		10640	-6987		
LOG	WOLFCAMP		10968	-7315		
LOG	STRAWN		12024	-8371		
LOG	ATOKA		12380	-8727		
LOG	ATOKA	LS	12498	-8845		
LOG	MORROW		12786	-9133		

SUBSEA MEASUREMENTS FROM KB

FORMATION TEST DATA

DST 1 9441- 9553 BONE SPG S
OVERLAPS BONE SP1
REC 30.0 FT OCW 210.0 FT WTR
IFP 107 OP 1 HR 30 MIN
FSIP 112 IHP 4129 FHP 4172
OP 1 HR 30 MIN - 3 1/2 OZ PRES
SI 4 HRS 30 MIN

DST 2 9832- 9882 BONE SP1 S
GAS TS IN 1H10M
REC 3.0 BBL OIL 2.6 BBL WTR
IFP 223 OP 1 HR 30 MIN
FSIP 4436 IHP 4369 FHP 4302
OP 1 HR 30 MIN, 24 PSI
SI 3 HRS 45 MIN

DST 3 12875-13039 MORROW S
REC 13.0 BBL OIL
IFP 1052
FFP 1136
ISIP 2141 FSIP 2120 IHP 6535 FHP 6535
SPL CHAM PRESS FINAL 420
FLWG 2.7 MCFGPD ON 1/2 INCH CHK

DRILLING PROGRESS DETAILS

NATIONAL COOP REFINERY
415 W WALL STE 2215

CONTINUED

REISSUES SEC 11 TWP 20S RGE 34E
PI# 30-T-0006 07/31/89 30-025-30424-0000 PAGE 3

NATIONAL COOP REFINERY D DG
3 FEDERAL "11-20-34"

DRILLING PROGRESS DETAILS

MIDLAND, TX 79701
915-683-2734
01/11 LOC/1988/
04/04 MIRT
04/25 DRLG 7750
05/09 DRLG 9100
05/16 DRLG BELOW 9100
06/01 DRLG 12343
06/16 DRLG 13348
06/24 13348 TD, WOCT
07/07 13348 TD, WOCT
07/13 13348 TD, WOCT
07/22 13348 TD, WOCT
08/31 TD REACHED 06/16/88 RIG REL 06/16/88
13348 TD, PB 13254
COMP 7/6/88, IPF 1844 MCFG, 33 BCPD, 28/64
CK, FTP 3600
PROD ZONE - PENNSYLVANIAN 12964-13235
NO CORES, THREE DSTS RPTD
07/25 REISSUED TO CORRECT NO CORES STMT & ADD
TBG, TRTMNTS, LOG TOPS & DSTS
REPLACEMENT FOR CT ISSUED 9/2/88