

September 4, 1998

Ernie Bush
c/o NM O & G Comm.
1000 Rio Brazos Road
Aztec, NM 87410

Mr. Bush:

In re your request for pipe and cement numbers on:

E. F. Durkee & Associates
Garcia #4 -, West Chama Area
Rio Arriba County, New Mexico

Enclosed are 4 pages of data with the numbers requested.

Ed Freund [303] 779 1148, Denver, Colorado faxed them in return to my call. He was the engineer for Mr. Durkee, when he drilled the well in August of 1996.

Jim Wilson
Jim Wilson

RECEIVED
SEP 9 1998
OIL CON. DIV.
DIST. 3

Sheet1

E.F.DURKEE & ASSOCIATES
DAILY DRILLING REPORT

DATE 16-Aug-96 DAY NO. 2 WELL NAME GARCIA NO. 4 FIELD W. CHAMA

OPERATION AT RPT TIME: W.O.C.

FOOTAG/24HRS.: 74' HOURS: DRLG 4 TRIP 1/2 OTHER 7

TD: 134' FORMATION: MANCOS SHALE

MUD DATA

WT	VIS	FL cc	FC	PH	CH	ppm PV	YP	GELS
OIL %		SOLIDS		SAND %		SPGR		LCM

BIT NO.	OD/MAKE	TYPE	SER NO.	JETS(32)	OUT	FTGE	HRS	WT	RPM	COND
1	8.75" STC	1-1-1 DS	NA	1/2-1/2-O	134'	134'	7	1000	160	6-7-4

HYDRAULICS

PUMP# 1: LINER 5" STROKE 10 SPM 60 GPM 182 PSI 150

PUMP#2: LINER 5" STROKE 8" SPM GPM PSI

PUMP#1 SPR: _____ @ _____ PSI
PUMP#2 SPR: _____ @ _____ PSI

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OIL CON. DIV
DIST. 2

OPERATIONAL BREAKDOWN
ACTIVITY

FROM	TO	HRS	ACTIVITY
0700	0730	1/2	RIH TO 60'. TWO (2') FILL OVERNIGHT.
0730	1100	3 1/2	DRLD 8 3/4" HOLE FROM 60' TO 134' (74')
1100	1130	1/2	CIRC HOLE CLEAN. POH
1130	1230	1	RAN SIX (6) JTS (127.75') 7" OD 20# J-55 8 RD STC RGE 2 & 3 COND B CSG. LANDED CSG @ 133' W/COLLAR 5' BELOW RKB.
1230	1330	1	CIRC & COND HOLE.
1330	1336		MIXED 50 SX (10.5 BBLS) CLASS "B" CMT W/2 % CaCl @ 15.6 #/GAL. MIXING TIME 4". CMT CIRC TO SURF. DISP T/CMT TO 107' W/4.25 BW. FULL RETURNS DURING JOB. CIRC EST 20 CX CMT. SI WELL & JOB COMPLETE @ 1:36 PM, 15 AUG 96.
DAILY COST:			\$3,850
CUM. COST:			\$10,000

Sheet1

E.F.DURKEE & ASSOCIATES**DAILY DRILLING REPORT**

DATE 20-Aug-96 DAY NO. 6 WELL NAME GARCIA-NO. 4 FIELD W. CHAMA

OPERATION AT RPT TIME: W.O.C.

FOOTAG/24HRS.: 78 HOURS: DRLG 3 1/2 TRIP 2 OTHER 9

TD: 1017 FORMATION: MORRISON SS

MUD DATA
WT VIS FL cc FC PH CH ppn PV YP GELS
OIL % SOLIDS SAND % SPGR LCM

BIT NO.	OD/MAKE	TYPE	SER NO.	JETS(32)	OUT	FTGE	HRS	WT	RPM	COND
3	6.25 STC	5-7-1 F2	NA	0-0-0	825	433	16 1/2	10000	165	4-0-1
4	6.25 VAREL	5-7-1 F2 TYPE	NA	0-0-0	1017	192	10	10000	165	7-7-1

HYDRAULICS
PUMP# 1: LINER 5" STROKE 10 SPM 60 GPM 182 PSI 150
PUMP#2: LINER 5" STROKE 8" SPM GPM PSI

PUMP#1 SPR: _____ @ _____ PSI
PUMP#2 SPR: _____ @ _____ PSI

FROM TO HRS. OPERATIONAL BREAKDOWN
ACTIVITY

0700	0730	1/2	OPENED BOP - NO PRESSURE. RIH TO 939'. NO FILL OVERNIGHT
0730	1100	3 1/2	DRLD 939' TO 1010'. DRLG RIG WENT ON DW AT 1100 HRS.
1100	1300	2	LDDP & DC.
1300	1830	5 1/2	RAN OH LOGS: DLL, GRN, FDN & SONIC. CORR. TD FROM 1010 TO 1017.
1830	2000	1 1/2	RAN 24 JTS (1033') 4 1/2" 10.5# JE 8 RD STC R3 COND A CSG & LANDED @ 1016'.
2000	2030	1/2	RU CEMENTERS INC. PPD 16 BW. (CSG VOL).
2030	2130	1	MIXED 150 SX CLASS "B" W/2% EXTENDER+1/4# CELLOFLAKE/SK + 4# GILSONITE /SK' @ 12.5PPG @ 200PSI @ 2 1/2 BPM UNTIL CMT TO SURF F/B 65 SX CLASS "B" @ 15.6 PPG + SAME ADDITIVES @ 2 1/2 BPM. DISP PLUG W/15.75 BW (2%KCL) @ 900 PSI @ 2 1/2 BPM. BUMPED PLUG @ 973' TO 1100 PSI. REL PR/CK HELD. CIRC EST 25 BBLs CMT. PLUG DOWN & JOB COMPLETE @ 0928 HRS, 8-19-96. SDON. W.O.C.
DAILY COST:			\$15,350
CUM. COST:			\$39,700

