

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work Drill		5. Lease Number <u>7m 2m 03717A</u> SF-03717A19 PM 4:06	
1b Type of Well Gas		6. If Indian, Name of Tribe or Allottee 070 Farmington, NM	
2. Operator Norman L. Gilbreath (15991)		7. Unit Agreement Name	
3. Address & Phone No. of Operator %A. R. Kendrick Box 516, Aztec, NM 87410 (505) 334-2555		8. Well Name and Number Ben Jones #1R (013934)	
4. Location of Well <u>H</u> 667' FNL 670' FEL A-13-29N-11W		9. A.P.I. Number 30-045- 31732	
10. Field, Pool, or Wildcat (71280) Aztec-Pictured Cliffs 71280		11. Section, Township, & Range, Meridian, or Block A-13-29N-11W	
14. Distance in Miles from Nearest Town Three miles northeast from downtown Bloomfield		12. County San Juan	13. State New Mexico
15. Distance from Proposed Location To Nearest Property Line or Lease Line.	667'	16. Acres in Lease 160	17. Acres Assigned to Well <u>NE 1/4</u> 160
18. Distance From Proposed Location To Nearest Well Dr, Compl., Or Applied For On Lease.	500'	19. Proposed Depth 2100'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, RT, GR, Etc.) 5716.66		22. Approximate Date Work Will Start Summer, 2003	
23. Proposed Casing and Cementing Program:			
Exhibits attached as follows:			
"A" Location and Elevation Plat		"F" Location Profile	
"B" Vicinity Map - Access Roads		"G" Drill Rig Layout	
"C" Ten-Point Compliance Program		"H" Completion Rig Layout	
"D" Multi-Point Requirements for APD		"I" Production Facility Schematic	
"E" Blowout Preventer Schematic		"J" Pipeline Lateral Plat (On Lease)	
24. Signed <u>AR Kendrick</u> Title _____		Agent _____ Date June 19, 2003	

Permit No. _____ Approval Date _____

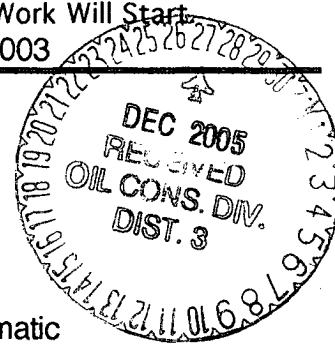
Approved By Jim Lavelle Title Acting AFM Date 12/16/05

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3160-3.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCDC

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4



State of New Mexico
Energy, Minerals & Mining Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C - 102

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

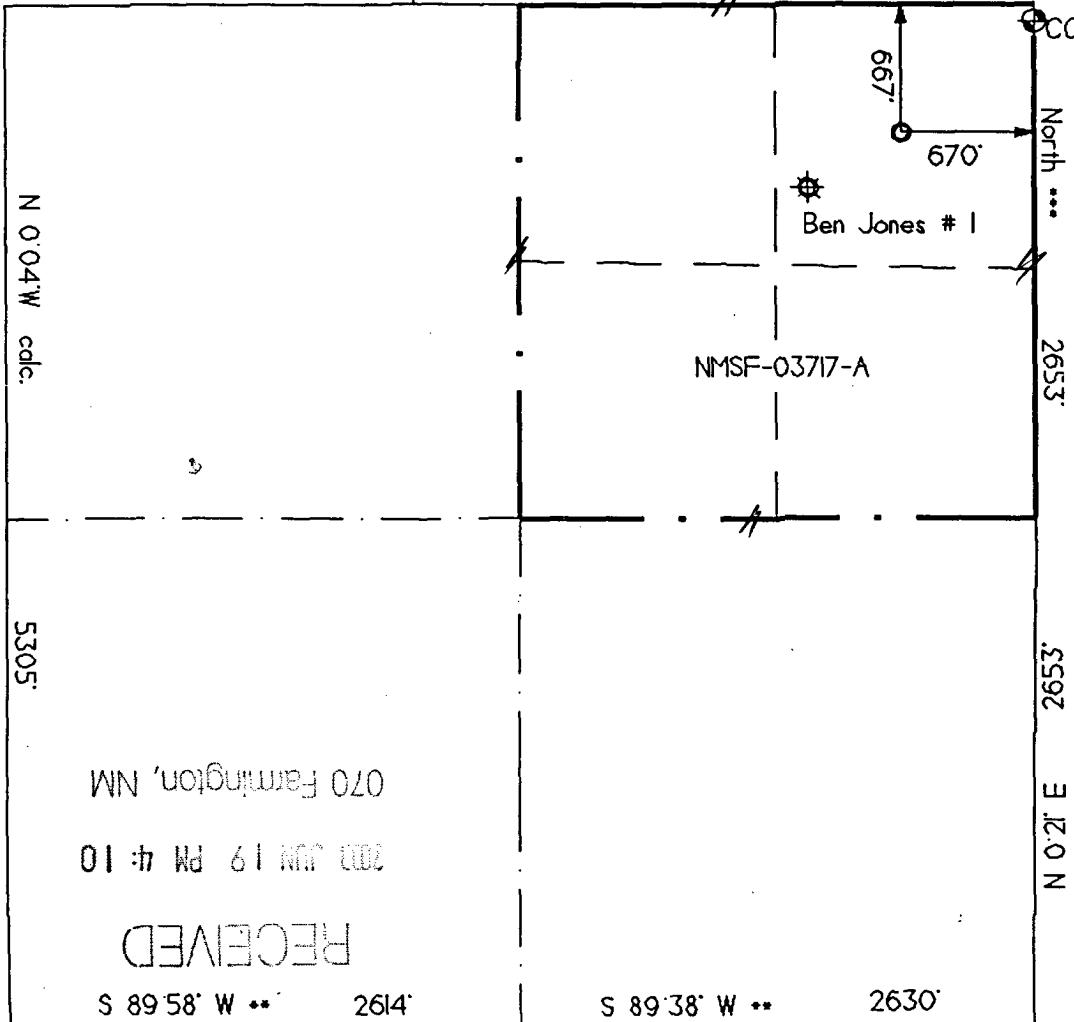
APA Number 30-045-31732	Pool Code 71280	Pool Name Aztec-Pictured Cliffs
Property Code 013934	Property Name Ben Jones	
OGRID No. 15991	Operator Name Norman L. Gilbreath	
		Well Number 1 R
		Elevation 5716' grd. GPS

Surface Location									
UL or Lot A	Sec. 13	Twp. 29 N.	Rge. 11 W.	Lot Idn.	Feet from >	North/South NORTH	Feet from >	East/West EAST	County SAN JUAN

Bottom Hole Location If Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
Dedication 160	Joint ? N	Consolidation			Order No.				

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

S 89°48' W ** from BLM plat 5267



OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>A.R. Kendrick</i>
Printed Name	A.R. Kendrick
Title	Agent
Date	
SURVEYOR CERTIFICATION	
I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
Date of Survey	
Signature and Seal of Professional Surveyor	<i>[Signature]</i>

EXHIBIT A

TEN-POINT PROGRAM
Norman L. Gilbreath
Ben Jones #1R
667' FNL 670' FEL, A-13-29N-11W
San Juan County, New Mexico
Lease No. SF-03717-A

1. THE GEOLOGICAL SURFACE FORMATION IS: Nacimiento.
2. THE TOPS OF IMPORTANT GEOLOGICAL MARKERS: (BASED ON EXISTING LOG INFORMATION)

Kirtland	930'
Fruitland	1800'
Pictured Cliffs	2040'
Total Depth	2100'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

<u>SUBSTANCE</u>	<u>FORMATION</u>	<u>ANTICIPATED DEPTH</u>
Gas	Pictured Cliffs	2040'

4. THE CASING PROGRAM:

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>CASING O.D.</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TYPE</u>	<u>NEW/USED</u>
0 -150'	8-3/4"	7"	20#	J-55	ST&C	NEW
0 - TD	6-1/4"	4-1/2"	10.5#	J-55	ST&C	NEW

PROPOSED CEMENT PROGRAM: To effectively isolate and seal off all water, oil gas and coal-bearing strata encountered by the utilization of spacers, centralizers and swirling centralizers at the base of the Ojo Alamo formation as specified by NTL-FRA 90-1 III.B and API standards; and by using cement volumes as follows: (Exact volumes to be determined from logs.)

SURFACE: 50 Cu Ft (50 Sx) Class B w/0.25# Flocele/Sx plus 2% CaCl (100% Excess).

PRODUCTION: 293 Cu Ft (248 Sx) Standard w/additives by cementer, being 50% excess.

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Exhibit E is a schematic of the blowout preventer used by the contractor for other wells in the area.

The BOP to be used is an Annular BOP with screwed connections with high-pressure inlet and outlet hoses, all tested to 2000 psi minimum.

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6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS:

SURFACE CASING: Spun flocculating bentonite with lime.

PRODUCTION CASING: Low solids non-disbursing system.

<u>INTERVAL</u>	<u>MUD WEIGHT</u>	<u>VISCOSITY</u>	<u>FLUID LOSS</u>	<u>pH</u>	<u>ADDITIVES</u>
0 - 150'	9.0	45	- - -	9	Gel, Lime
150' - TD	8.6 to 9.2	30-50	<15 cc	9	Chemicals as needed

7. AUXILIARY EQUIPMENT TO BE USED IS AS FOLLOWS:

- a. Float valve above bit.
- b. Monitoring of mud system will be visual.
- c. A safety valve and subs to fit all drill strings will be used.

8. TESTING, LOGGING, AND CORING WILL BE AS FOLLOWS:

- a. Cores: none.
- b. Drill stem tests: none anticipated.
- c. Gamma Ray/Neutron for perforation control.

9. ANTICIPATED ABNORMAL PRESSURES AND TEMPERATURES:

No abnormal pressures, temperatures or Hydrogen Sulfide gases are anticipated during the completion of this well. The maximum bottom hole pressure is expected to be less than 500 psi.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

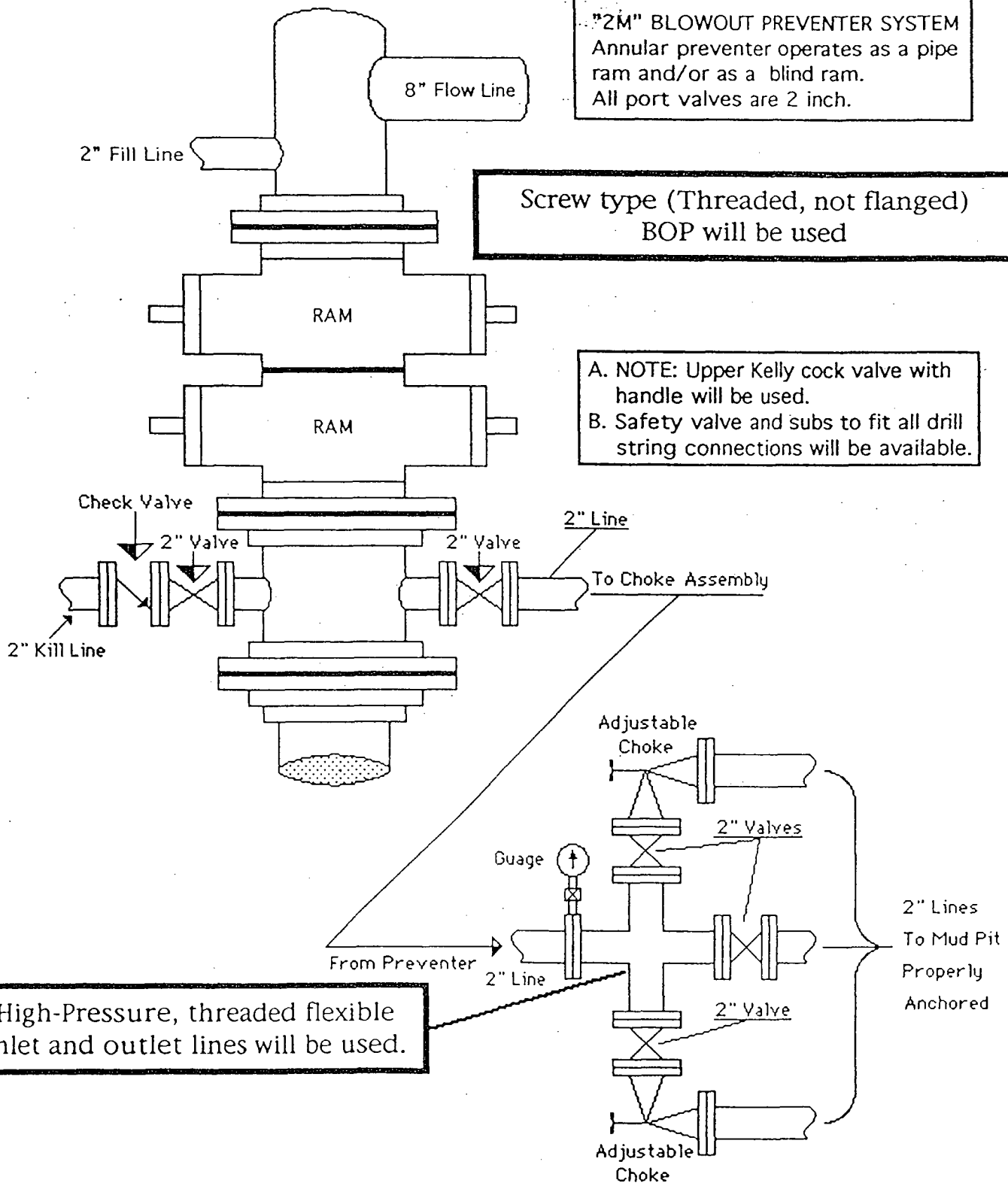
The anticipated starting date is Summer, 2003. The drilling operations should be completed within 15 days after rig-up date. Completion will be done when equipment is available and weather permits.

"2M" BLOWOUT PREVENTER SYSTEM

"2M" BLOWOUT PREVENTER SYSTEM
Annular preventer operates as a pipe ram and/or as a blind ram.
All port valves are 2 inch.

Screw type (Threaded, not flanged)
BOP will be used

A. NOTE: Upper Kelly cock valve with handle will be used.
B. Safety valve and subs to fit all drill string connections will be available.



High-Pressure, threaded flexible
inlet and outlet lines will be used.

Ben Jones # I R
well pad and section

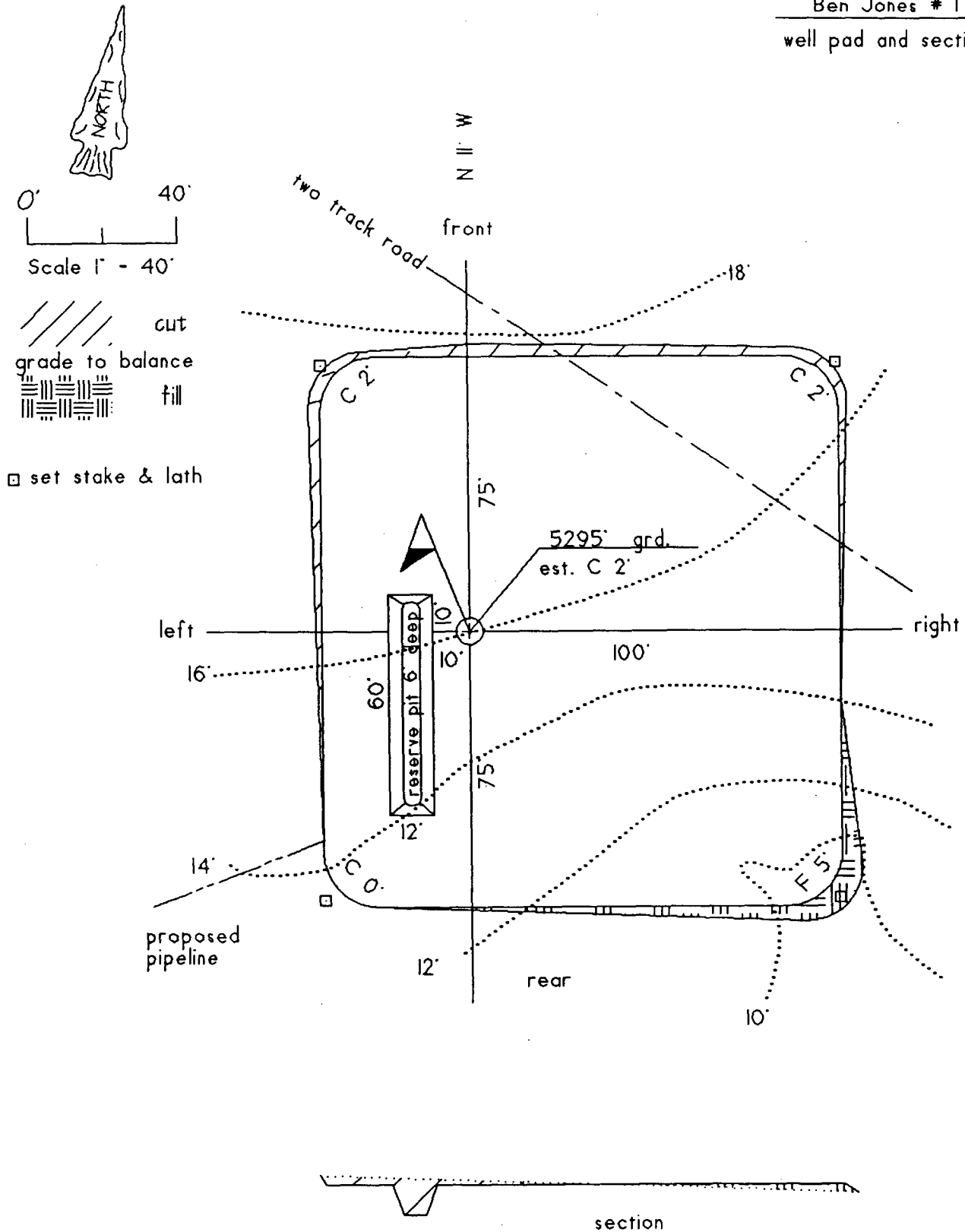


EXHIBIT F