

Unocal Oil & Gas Division

Unocal Corporation
900 Werner Court, P.O. Box 2620
Casper, Wyoming 82602-2620
Telephone (307) 234-1563

OIL CONSERVATION DIVISION
RECEIVED



94 APR 11 AM 8 49

April 4, 1994

State of New Mexico
Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, New Mexico 87503

Gentlemen:

Union Oil Company of California (UNOCAL) requests permission for a nonstandard Dakota/Gallup location for our Rincon Unit No. 186M well, located 1670' FSL and 1240' FWL, (NW-1/4 SW-1/4) Section 33, T27N R7W, Rio Arriba County, New Mexico.

This well is a proposed dual Basin Dakota/Largo Gallup well that does not conform, as staked, to a "standard" location (being approximately 50' to close to the east live of the NW-1/4). It is not feasible to move the proposed location to the west to conform to a "legal" location due to an existing well - Rincon Unit #26. The propose Rincon Unit #186M ulitizes the west half of the existing pad for the Rincon Unit #26. It is also not feasbile to move the proposed location (Rincon Unit 186M) to the south and then to the west because of an existing archeological sites or to move the proposed location to the north and then to the west because of the exisiting topography (approximately 40'-50' cliff). See attachments.

The offset lease operators, Central Resources Inc., Lous Drayfus Natural Gas Corp., and Meridan Oil Inc., have been contacted by "certified letter" requesting waiver of objection to this proposed unorthodox location.

If you have any questions, please contact me at 307/234-1563, Ext 116. Thank you for your help in this matter.

Sincerely,

Jim Benson
Drilling Superintendent

Attachments

cc: Ernie Busch, Aztec, NM

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

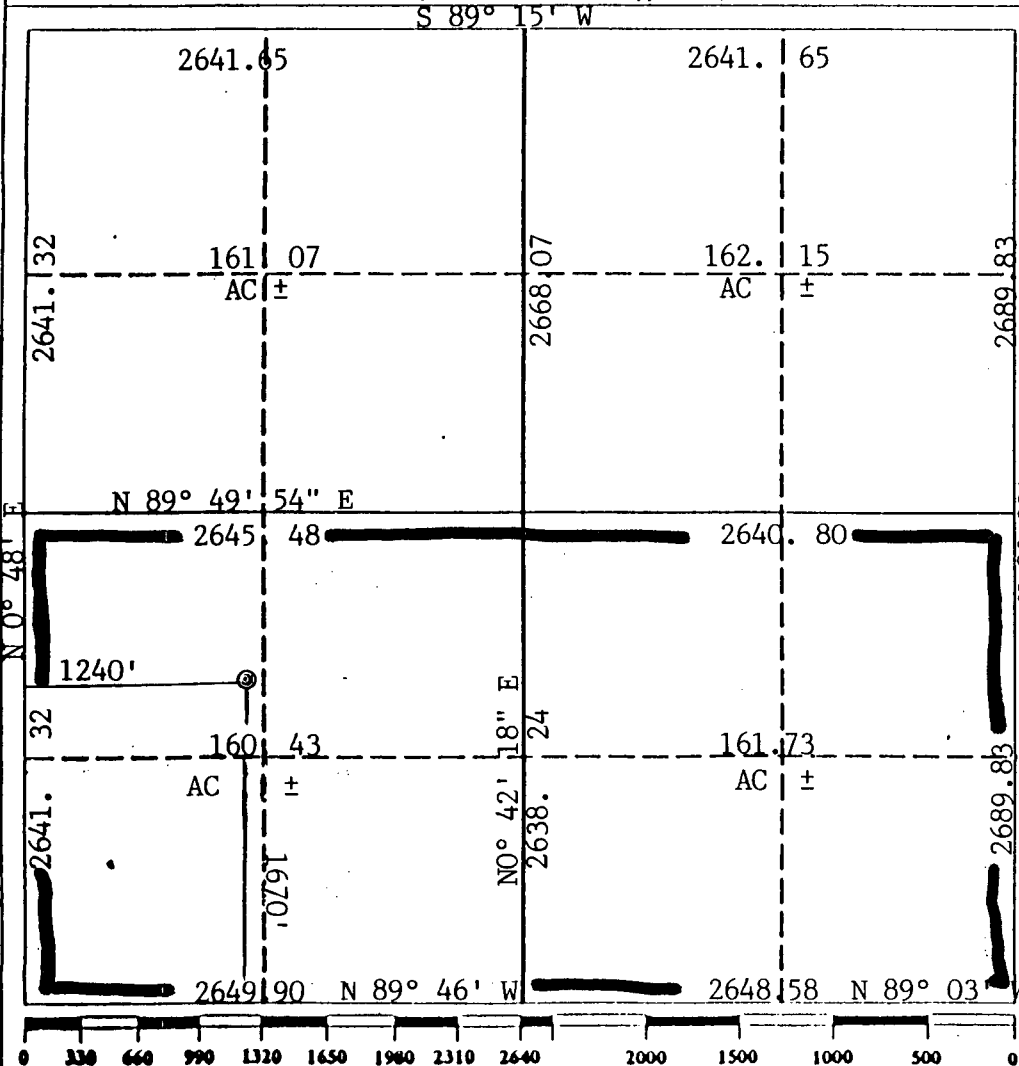
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator UNOCAL			Lease RINCON		Well No. 186-M
Unit Letter L	Section 33	Township 27N	Range 7W	County NMPM	RIO ARRIBA
Actual Footage Location of Well: 1670 feet from the SOUTH line and 1240 feet from the WEST line					
Ground level Elev. 6752	Producing Formation Dakota/Gallup	Pool Basin Dakota/Largo Gallup	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

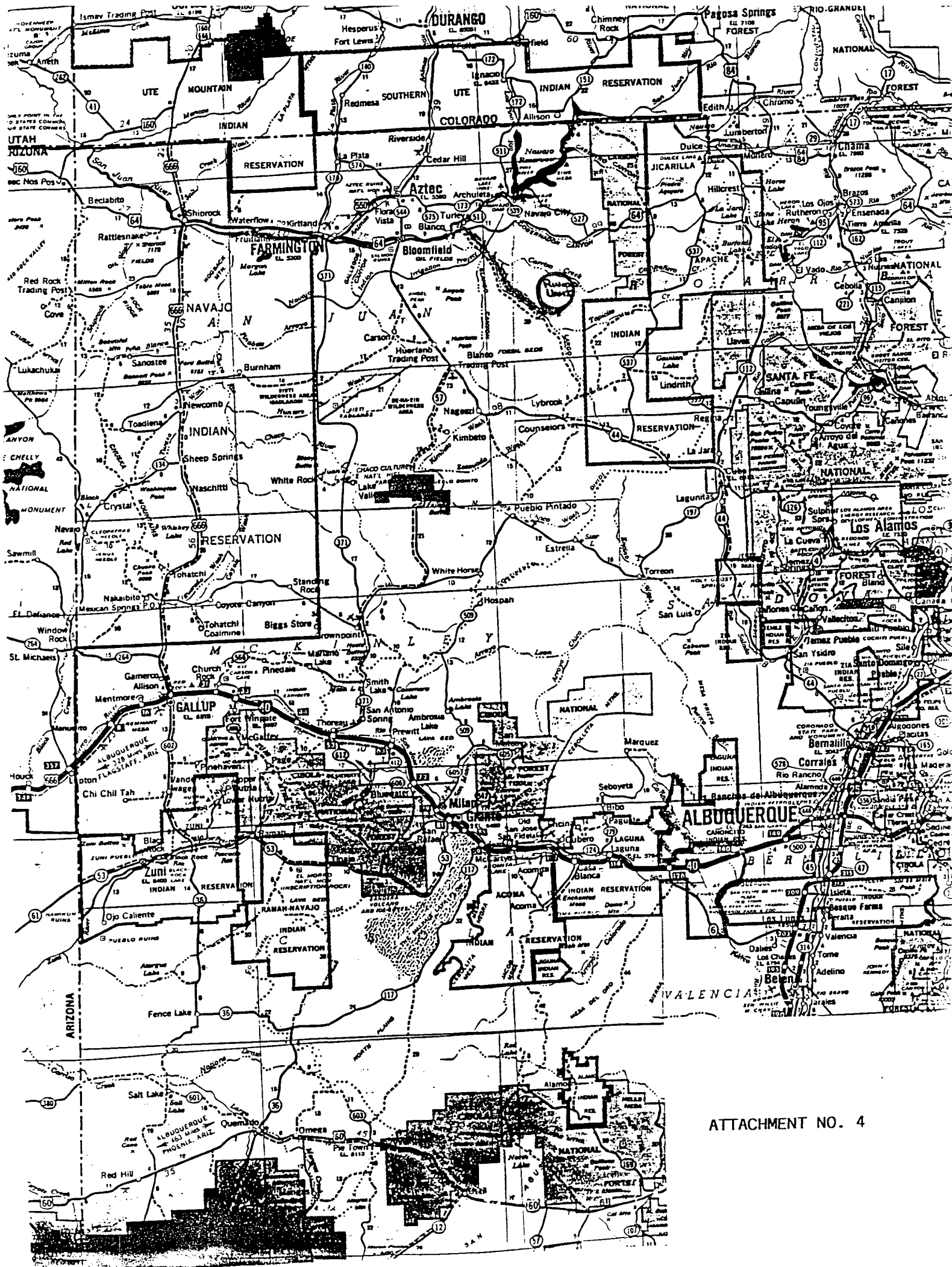
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *Jim Benson*
Jim Benson
Printed Name
Drilling Superintendent
Position
Union Oil Co. of Calif.
Company
3/24/94
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown 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 knowledge and belief.

Date Surveyed
October 22, 1993
Signature & Seal of Professional Surveyor
Cecil B. Tullis
Cecil B. Tullis
Certificate No. 9617
PROFESSIONAL LAND SURVEYOR



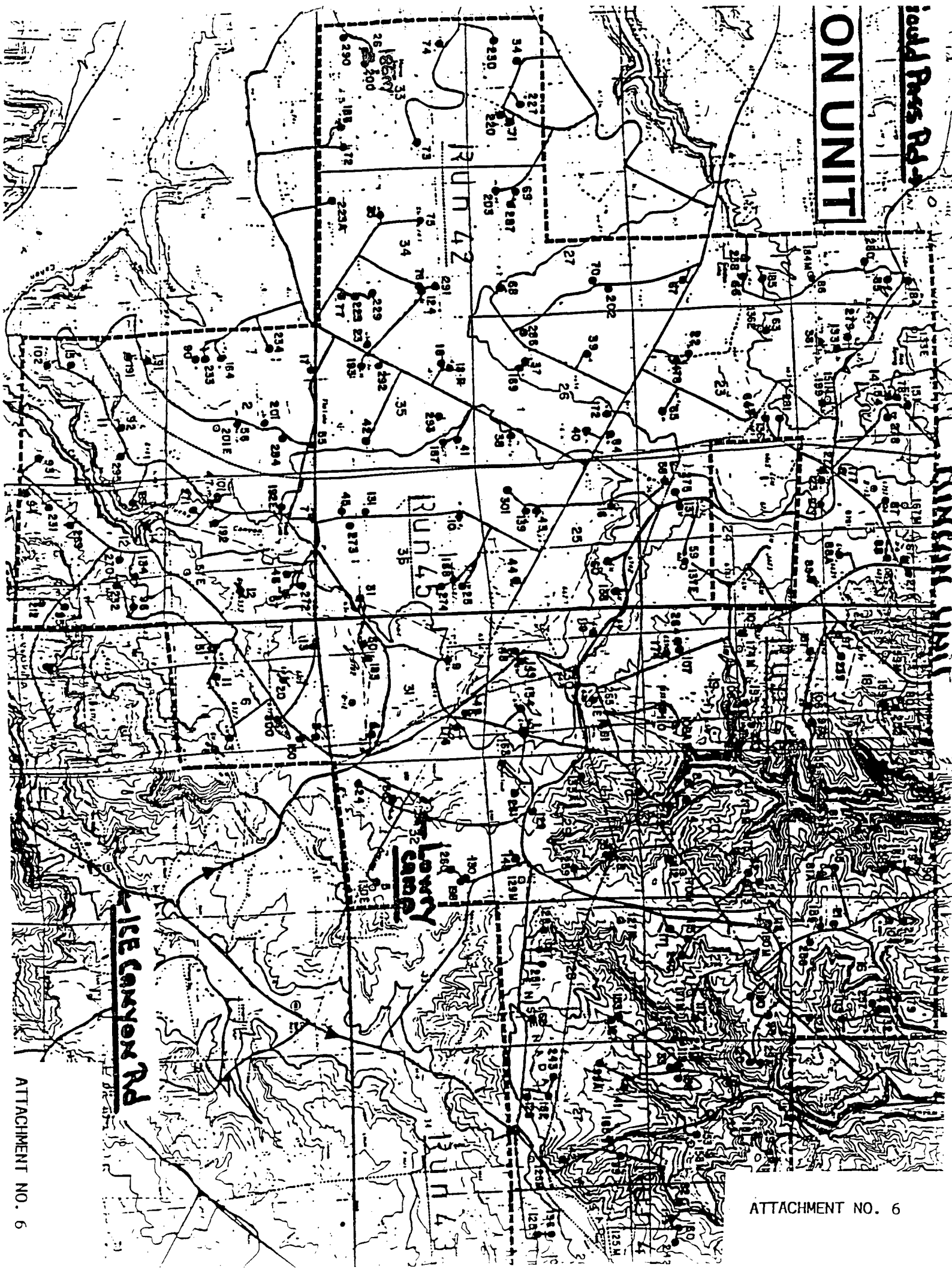
Topographic map of the Rincon area in New Mexico. The map features a grid with coordinates and various elevation points. Key labels include:

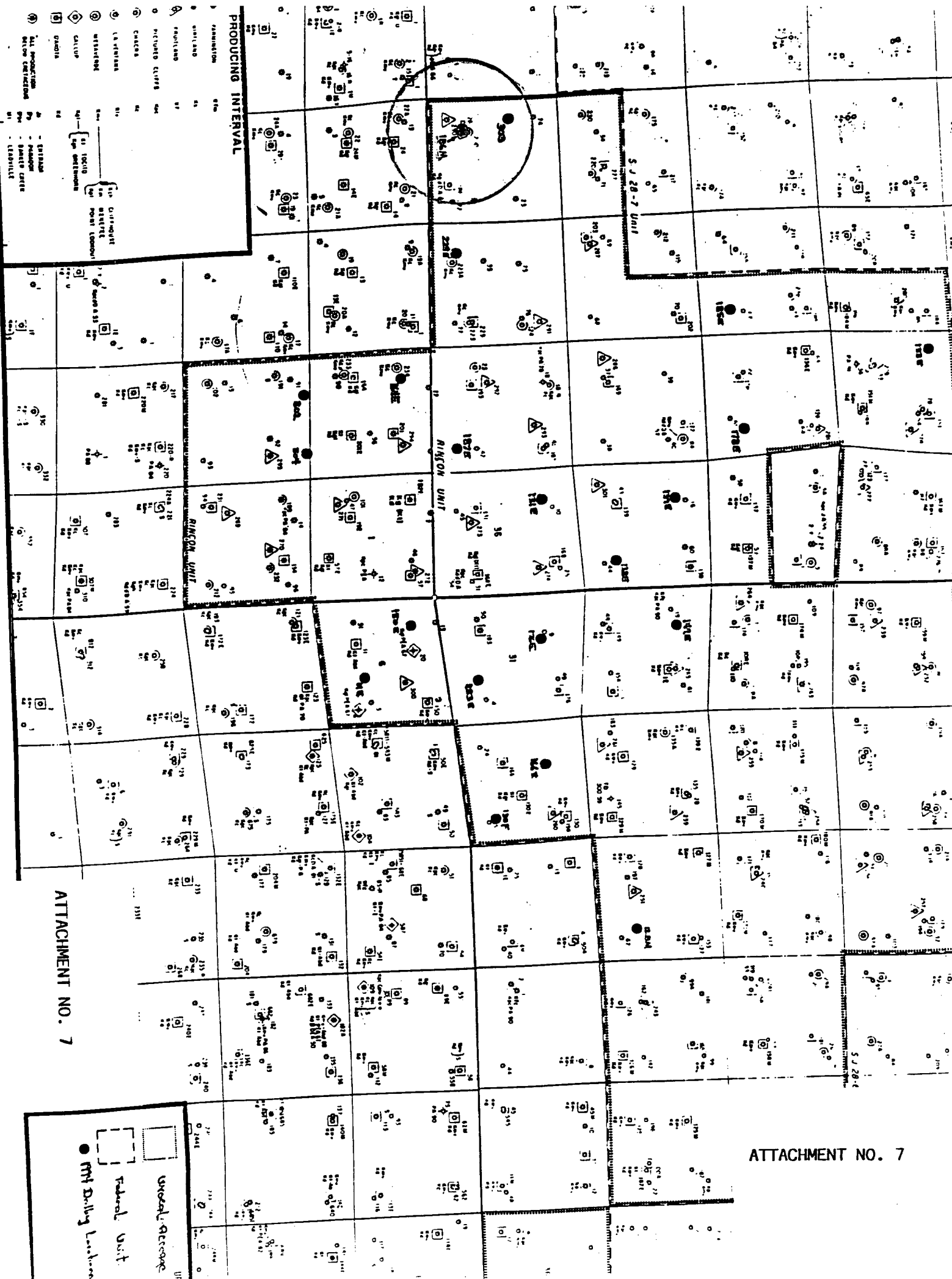
- CANON** (top left)
- RINCON** (top center)
- 1670 F/SL & 1240 F/WL** (top center)
- Sec. 33 T27N R7W. N.M.P.M.** (top center)
- Rto Arriba County, NM** (top center)
- Filer Springs** (center right)
- Flat Lake** (bottom center)
- ATTACHMENT NO. 5** (bottom left)

The map shows contour lines indicating elevation, with various points marked by numbers and letters (e.g., 6610, 6612, 6618, 6627, 6637, 6647, 6652, 6653, 6657, 6667, 6677, 6687, 6692, 6696, 6698, 6706, 6710, 6717, 6723, 6727, 6737, 6747, 6752, 6757, 6767, 6777, 6787, 6792, 6796, 6798, 6807, 6817, 6827, 6837, 6847, 6852, 6857, 6867, 6877, 6887, 6892, 6896, 6898, 6907, 6917, 6927, 6937, 6947, 6952, 6957, 6967, 6977, 6987, 6992, 6996, 6998, 7007, 7017, 7027, 7037, 7047, 7052, 7057, 7067, 7077, 7087, 7092, 7096, 7098, 7107, 7117, 7127, 7137, 7147, 7152, 7157, 7167, 7177, 7187, 7192, 7196, 7198, 7207, 7217, 7227, 7237, 7247, 7252, 7257, 7267, 7277, 7287, 7292, 7296, 7298, 7307, 7317, 7327, 7337, 7347, 7352, 7357, 7367, 7377, 7387, 7392, 7396, 7398, 7407, 7417, 7427, 7437, 7447, 7452, 7457, 7467, 7477, 7487, 7492, 7496, 7498, 7507, 7517, 7527, 7537, 7547, 7552, 7557, 7567, 7577, 7587, 7592, 7596, 7598, 7607, 7617, 7627, 7637, 7647, 7652, 7657, 7667, 7677, 7687, 7692, 7696, 7698, 7707, 7717, 7727, 7737, 7747, 7752, 7757, 7767, 7777, 7787, 7792, 7796, 7798, 7807, 7817, 7827, 7837, 7847, 7852, 7857, 7867, 7877, 7887, 7892, 7896, 7898, 7907, 7917, 7927, 7937, 7947, 7952, 7957, 7967, 7977, 7987, 7992, 7996, 7998, 8007, 8017, 8027, 8037, 8047, 8052, 8057, 8067, 8077, 8087, 8092, 8096, 8098, 8107, 8117, 8127, 8137, 8147, 8152, 8157, 8167, 8177, 8187, 8192, 8196, 8198, 8207, 8217, 8227, 8237, 8247, 8252, 8257, 8267, 8277, 8287, 8292, 8296, 8298, 8307, 8317, 8327, 8337, 8347, 8352, 8357, 8367, 8377, 8387, 8392, 8396, 8398, 8407, 8417, 8427, 8437, 8447, 8452, 8457, 8467, 8477, 8487, 8492, 8496, 8498, 8507, 8517, 8527, 8537, 8547, 8552, 8557, 8567, 8577, 8587, 8592, 8596, 8598, 8607, 8617, 8627, 8637, 8647, 8652, 8657, 8667, 8677, 8687, 8692, 8696, 8698, 8707, 8717, 8727, 8737, 8747, 8752, 8757, 8767, 8777, 8787, 8792, 8796, 8798, 8807, 8817, 8827, 8837, 8847, 8852, 8857, 8867, 8877, 8887, 8892, 8896, 8898, 8907, 8917, 8927, 8937, 8947, 8952, 8957, 8967, 8977, 8987, 8992, 8996, 8998, 9007, 9017, 9027, 9037, 9047, 9052, 9057, 9067, 9077, 9087, 9092, 9096, 9098, 9107, 9117, 9127, 9137, 9147, 9152, 9157, 9167, 9177, 9187, 9192, 9196, 9198, 9207, 9217, 9227, 9237, 9247, 9252, 9257, 9267, 9277, 9287, 9292, 9296, 9298, 9307, 9317, 9327, 9337, 9347, 9352, 9357, 9367, 9377, 9387, 9392, 9396, 9398, 9407, 9417, 9427, 9437, 9447, 9452, 9457, 9467, 9477, 9487, 9492, 9496, 9498, 9507, 9517, 9527, 9537, 9547, 9552, 9557, 9567, 9577, 9587, 9592, 9596, 9598, 9607, 9617, 9627, 9637, 9647, 9652, 9657, 9667, 9677, 9687, 9692, 9696, 9698, 9707, 9717, 9727, 9737, 9747, 9752, 9757, 9767, 9777, 9787, 9792, 9796, 9798, 9807, 9817, 9827, 9837, 9847, 9852, 9857, 9867, 9877, 9887, 9892, 9896, 9898, 9907, 9917, 9927, 9937, 9947, 9952, 9957, 9967, 9977, 9987, 9992, 9996, 9998, 10007, 10017, 10027, 10037, 10047, 10052, 10057, 10067, 10077, 10087, 10092, 10096, 10098, 10107, 10117, 10127, 10137, 10147, 10152, 10157, 10167, 10177, 10187, 10192, 10196, 10198, 10207, 10217, 10227, 10237, 10247, 10252, 10257, 10267, 10277, 10287, 10292, 10296, 10298, 10307, 10317, 10327, 10337, 10347, 10352, 10357, 10367, 10377, 10387, 10392, 10396, 10398, 10407, 10417, 10427, 10437, 10447, 10452, 10457, 10467, 10477, 10487, 10492, 10496, 10498, 10507, 10517, 10527, 10537, 10547, 10552, 10557, 10567, 10577, 10587, 10592, 10596, 10598, 10607, 10617, 10627, 10637, 10647, 10652, 10657, 10667, 10677, 10687, 10692, 10696, 10698, 10707, 10717, 10727, 10737, 10747, 10752, 10757, 10767, 10777, 10787, 10792, 10796, 10798, 10807, 10817, 10827, 10837, 10847, 10852, 10857, 10867, 10877, 10887, 10892, 10896, 10898, 10907, 10917, 10927, 10937, 10947, 10952, 10957, 10967, 10977, 10987, 10992, 10996, 10998, 11007, 11017, 11027, 11037, 11047, 11052, 11057, 11067, 11077, 11087, 11092, 11096, 11098, 11107, 11117, 11127, 11137, 11147, 11152, 11157, 11167, 11177, 11187, 1119

NO. 5

Gold Pass Rd
ON UNIT





ATTACHMENT NO. 7

ATTACHMENT NO. 7

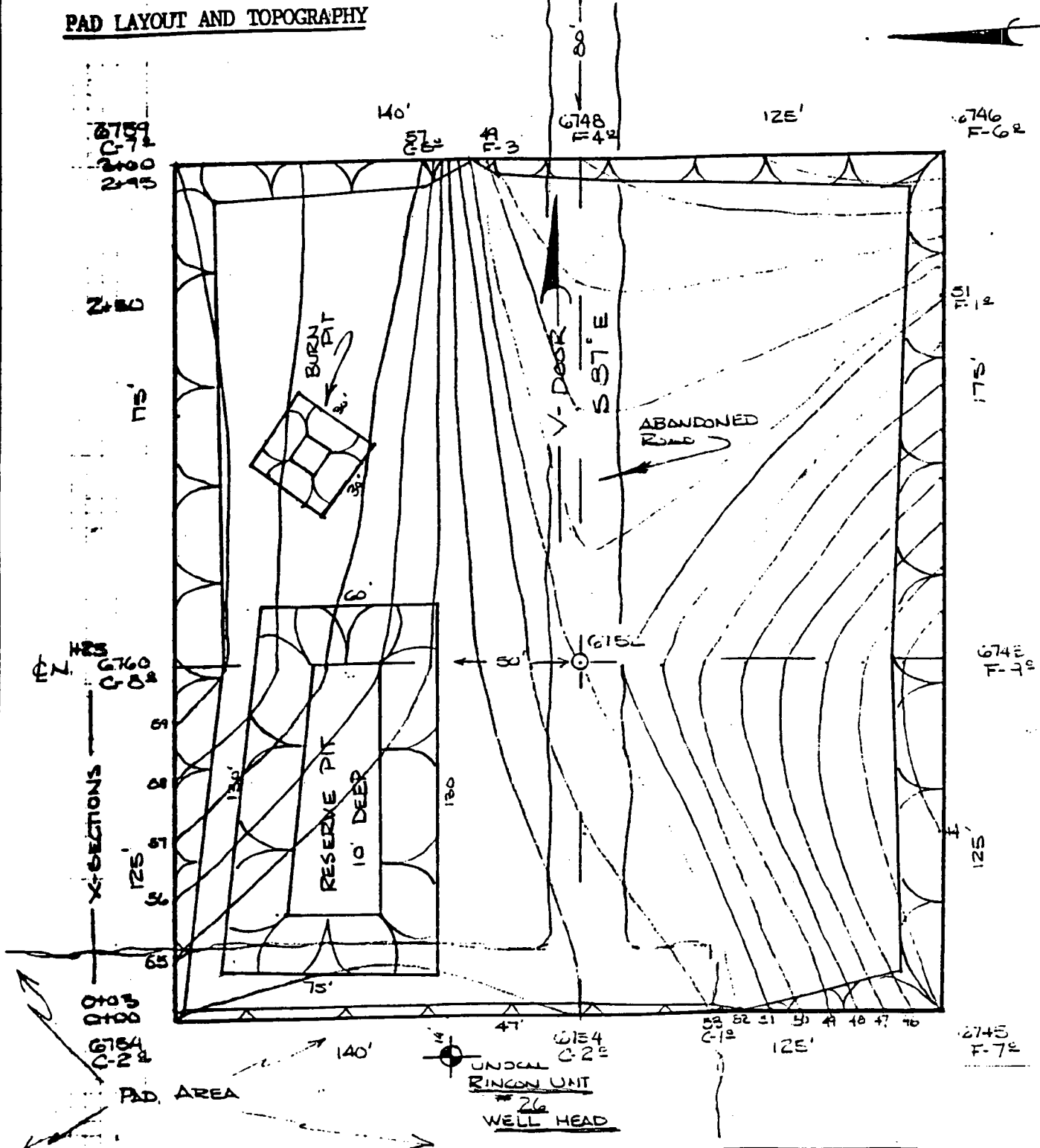
Scale: 1" = 50'

$$\text{Contour Int.} = 1'$$

RINCON 186-M
1670 F/SL & 1240 F/WL
Sec. 33 T27N R7W N.M.P.M.
Rio Arriba County, NM

UNOCAL
RINKUN UNIT
#200
(P&A)

PAD LAYOUT AND TOPOGRAPHY



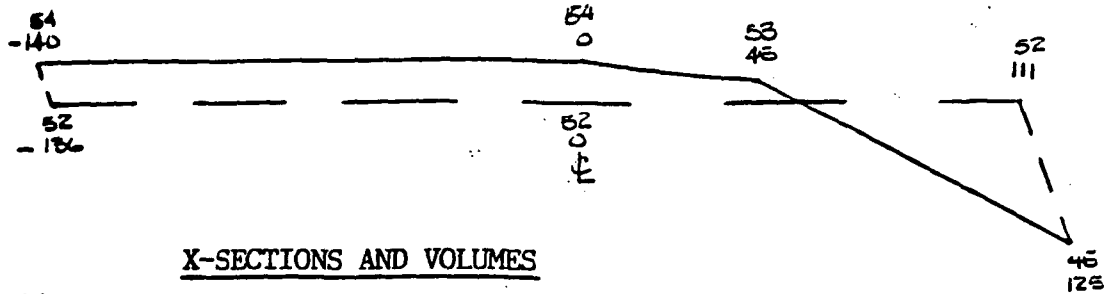
Scale Horiz. 1" = 50'
Vert. 1" = 10'

RINCON 186-M

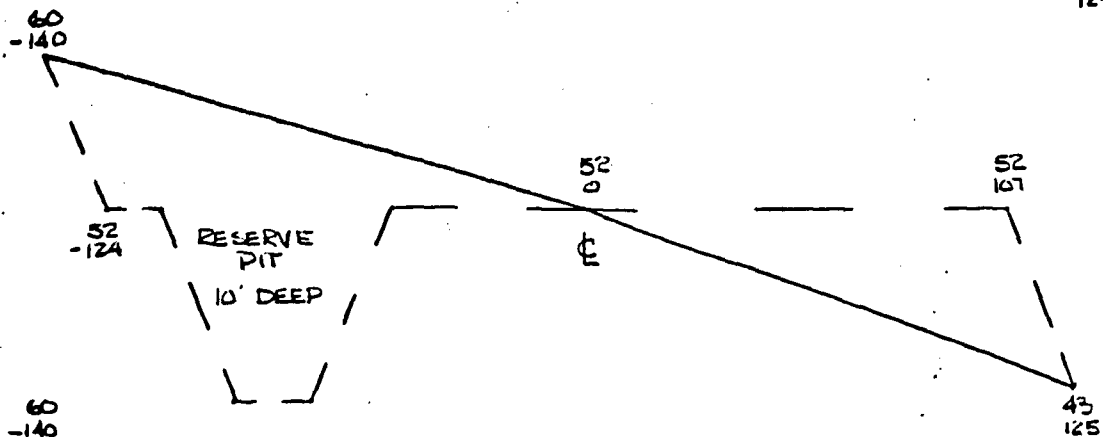
ZERO CUT/FILL

0+00

0+02

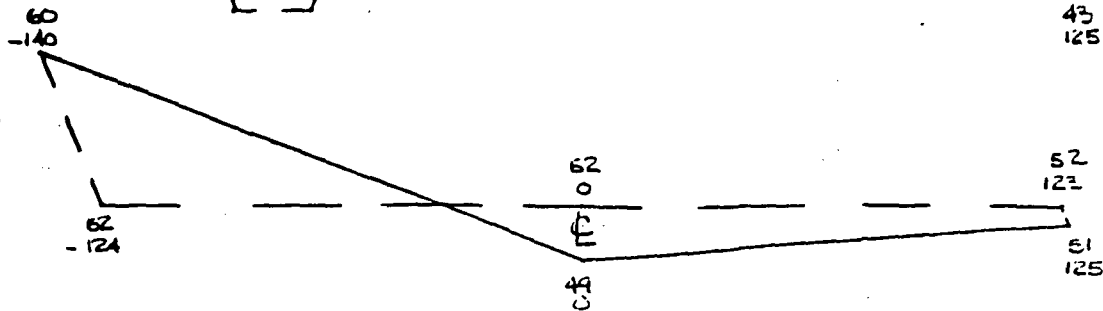
X-SECTIONS AND VOLUMES

1+23



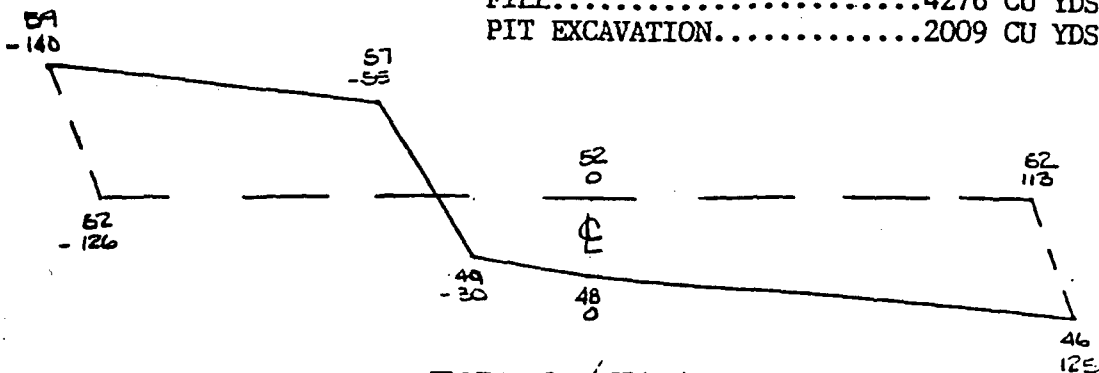
RESERVE
PIT
10' DEEP

2+50



CUT.....4619 CU YDS.
FILL.....4276 CU YDS.
PIT EXCAVATION.....2009 CU YDS.

2+95



ZERO CUT/FILL

3+00

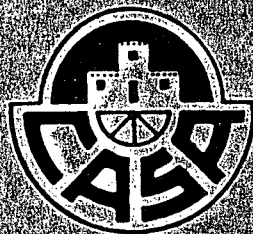
CULTURAL RESOURCE INVENTORY

17 Well Locations
UNOCAL's Rincon Unit
1994 Drilling Program
Rio Arriba County, New Mexico

Prepared by

Laurens C. and Nancy S. Hammack
Complete Archaeological Service Associates
12400 Highway 666
Cortez, Colorado 81321

[CASA 93-52]



Prepared for

UNOCAL
900 Werner Court
Casper, Wyoming 82602

Submitted to

Bureau of Land Management
Farmington District
1235 La Plata Highway
Farmington, New Mexico 87401

Permits

NM BLM CRUP 12-2920-93-H

November 18, 1993

ABSTRACT

A cultural resource inventory was undertaken on 17 proposed gas and/or oil well locations within UNOCAL's Rincon Unit on Encinada Mesa, between Largo and Carrizo Canyons, approximately 24 miles southeast of Blanco, New Mexico. The inventory was done by Laurens C. and Nancy S. Hammack, Complete Archaeological Service Associates (CASA) at the request of Jim Benson of UNOCAL. The field work, on Federal lands managed by the Farmington District, Bureau of Land Management, was done over a nine-day period between September 20 and November 5, 1993. The field work was done under the auspices of BLM Cultural Resource Use Permit 12-2920-93-H issued to CASA.

A 600-ft by 600-ft area (8.27 acres) was inventoried for each well pad with dimensions of 300-ft by 265-ft (1.82 acres). A total of 165.4 acres was inventoried for the 17 final well locations plus three additional well locations which required relocation. Only six of the wells will require access roads as most border existing roads. An additional 15.73 acres were inventoried along approximately 5700 feet of new road alignment where a 120-ft wide corridor was surveyed for a 20-ft wide easement. Six prehistoric archaeological sites and eight isolated find were recorded during these investigations. All of the sites, LA 89072, LA 897073, LA 89074, LA 102256, LA 102257, and LA 102364 are considered significant and eligible for nomination to the National Register of Historic Places. None of the isolated finds are considered significant. All of the sites have been avoided and there will be no affect by construction of the well locations and access roads. Cultural resource clearance is recommended for all 17 of the proposed wells at the final locations as described in this report.

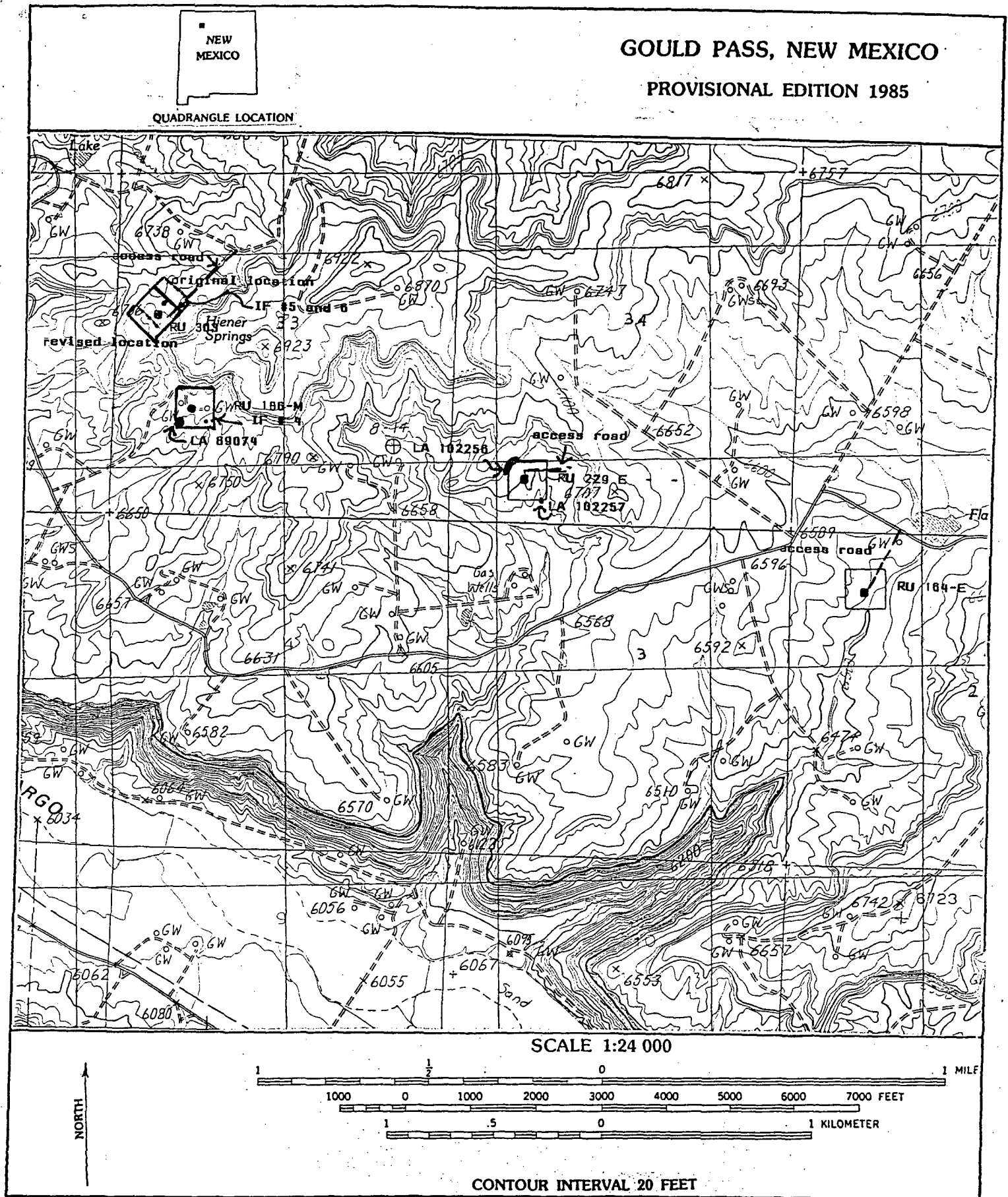


Figure 3. Location map for Rincon Unit Wells 164-E, 186-M, 229-E, 303, and Sites LA 89074 LA 102256, and LA 102257 and Isolated Finds No.s 4, 5, and 6.

Table 1. Sites recorded within 1/2 mile of survey area,
Museum of New Mexico sites (Page 2 of 3).

Well No.	LA No.	Feature	Culture	Period
Rincon Unit 302	88794	Hearth Possible subterranean structure Lithic scatter	Anasazi	BM2: AD 1-500
	88800	Hogan	Navajo	Gobern: 1693-1753
Rincon Unit 164E	78895	Lithic/ceramic scatter	Anasazi	P1-P2: AD700-1100
	86345	Ash lens Lithic/ceramic scatter	Navajo	Gobern: 1693-1753
Rincon Unit 229E	78174	Hogan Stain Fire-cracked/burned rock	Navajo	Gobern: 1693-1753
	78669	Ceramic scatter	Navajo	Gobern: 1693-1753
Rincon Unit 186M	25907	Lithic/ceramic scatter Fire-cracked/burned rock	Anasazi	P1-P2: AD 700-1100
	77121	Stain Lithic/ceramic scatter Midden	Navajo	Gobern: 1693-1753
	78865	Fire-cracked/burned rock Ceramic scatter Lithic	Navajo	Gobern: 1693-1753
	86230	Ceramic scatter Lithic	Unknown	Unknown
Rincon Unit 303	77121	Stain Lithic/ceramic scatter Midden	Navajo	Gobern: 1693-1753
	78865	Fire-cracked/burned rock Ceramic scatter Lithic	Navajo	Gobern: 1693-1753
	86230	Ceramic scatter Lithic	Unknown	Unknown
Rincon Unit 187E	86345	Ash lens Lithic/ceramic scatter	Navajo	Gobern: 1693-1753
Rincon Unit 231E	77102	Stain Ground stone Lithic scatter	Unknown	Unknown
	82994	Ceramic scatter Lithic	Anasazi	BM3-P1: AD 500-900
	82995	Hearth Stain	Navajo	Gobern: 1693-1753
	83008	Pithouse Midden Lithic/ceramic scatter	Anasazi	BM3-P1: AD 500-900
	83681	Fire-cracked/burned rock Lithic scatter Ground stone	Anasazi	Unknown

Well Name: Rincon Unit 186-M

Location: Original Location: NE¼ SW¼ SW¼ Section 33, T27N, R7W
Revised Location: NW¼ SE¼ SW¼ Section 33, T27N, R7W, Rio Arriba County,, New Mexico (Figure 3).

Operator: UNOCAL

Map Reference: Gould Pass, New Mexico, 1985 [Provisional]

Staked Footages: Original Location: 790' FSL, 790' FWL
Revised Location: 1670' FSL, 1240' FWL (Figure 24)

Ownership: Bureau of Land Management, Farmington District

Elevation: 6752 feet

Area Surveyed: Well pad: 600-ft by 600-ft (8.27 acres) surveyed for a well pad with dimensions of 300-ft by 265-ft (1.82 acres).
Access road: Existing well field road, not surveyed.

Description: Original Location: Not surveyed, at base of sandstone cliff
Revised Location: Well pad positioned between existing Rincon Unit Well No. 26 on west and capped/abandoned Rincon Unit 200 on east. Drill hole staked in center of abandoned/reclaimed pipeline/road (Figure 25) just off edge of existing pad of RU No. 26. Location will remove small patch of pinyon/juniper woodland between the two well pads. Pad will be bordered to north by sandstone cliffs forming base of wooded mesa. Series of small south trending drainages in wooded area south of existing pipeline easement.

Cultural Resources: One site and one basalt chopper (IF #4) recorded. LA 89074 consists of series of cultural material washing out of base of dunes on south slope below existing Rincon Unit 26 at extreme southwestern edge of buffer zone. (See Appendix A for site description).

Recommendations: Site area well outside construction limits of Rincon Unit 186-M and will not be impacted. Cultural resource clearance is recommended for RU 186-M at the revised location described above.

Site Number: LA 89074

Location: SE¼ of the NW¼ of the SW¼, Section 33, Township 27 North, Range 7 West, Rio Arriba County, New Mexico (Figure 3).

UTM Location: Zone 13, E 268500/N 4045210

Well Location: Rincon Unit 186M

Map Reference: Gould Pass, N. Mex., 7.5 minute, 1985 [Provisional]

Cultural/Temporal Affiliation: Gobernador (?) Navajo

Site Type: Specialized use area or campsite

Description: LA89074 is situated on east-facing dune slopes that are eroding onto sandstone bedrock (Figure 47). The dunes that are partially stabilized by short sagebrush, bunch grasses, rabbitbrush, and occasional mountain mahogany and juniper. Small erosional channels have cut into the sandy silt and sandstone bedrock and outcrops are also present. The site consists of two concentrations, Locus 1 and Locus 2, of Navajo ceramics, flakes and fire-cracked rock (Figure 48). A slight scatter of sherds and flaked lithics are also eroding from the dunes and erosional channels of the general site area. A single one-hand sandstone cobble mano was located in a drainage at the north end of the site. This small flat cobble had one minimally ground face. A total of 4 obsidian flakes and 60-70 Navajo Gray sherds are present on the site. Locus 1 consists of a sherd and flake scatter on bedrock and eroding from the base of the dunal area. An estimated 40-50 flakes, mainly secondary, are present. Material types are dominated by fine-grain brown quartzite, with small quantities of obsidian (1), purple quartzite (1), white chalcedony (1), and petrified wood (1). The obsidian flake has been utilized. Two cores of fine-grain brown quartzite are also present at this locus, as well as small fire-cracked rock and sandstone fragments. Ceramics include over 50 small fragments of Navajo grayware, one small brownware sherd, and one Lino Gray sherd. Locus 2 is a charcoal soil stain and associated artifact scatter eroding from the dune slope. Burnt bone fragments, fire-cracked rock, and sandstone fragments are also present. Flakes and a core of petrified wood, and one obsidian flake are present, along with at least a dozen Navajo Gray sherds.

Significance: The presence of subsurface deposits in the dunes and the variety of material and artifact types indicates that this site has a good potential for yielding significant data on the subsistence practices and lifeways of the time period.

Project Effect: Site is located in the extreme southwest corner of the buffer zone and will not be affected by wellpad construction.

Action Taken: None.

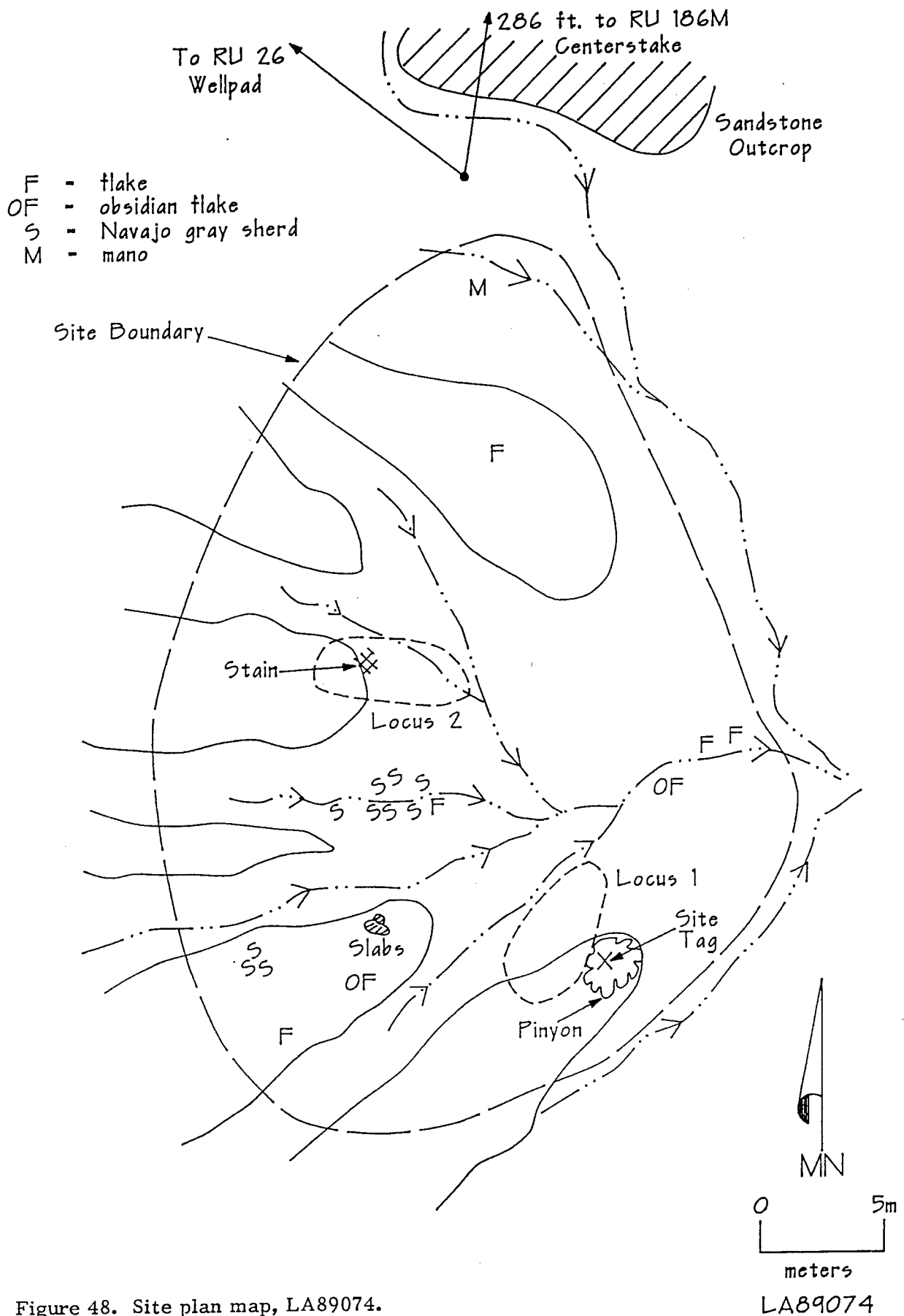


Figure 48. Site plan map, LA89074.

Mike Stogner

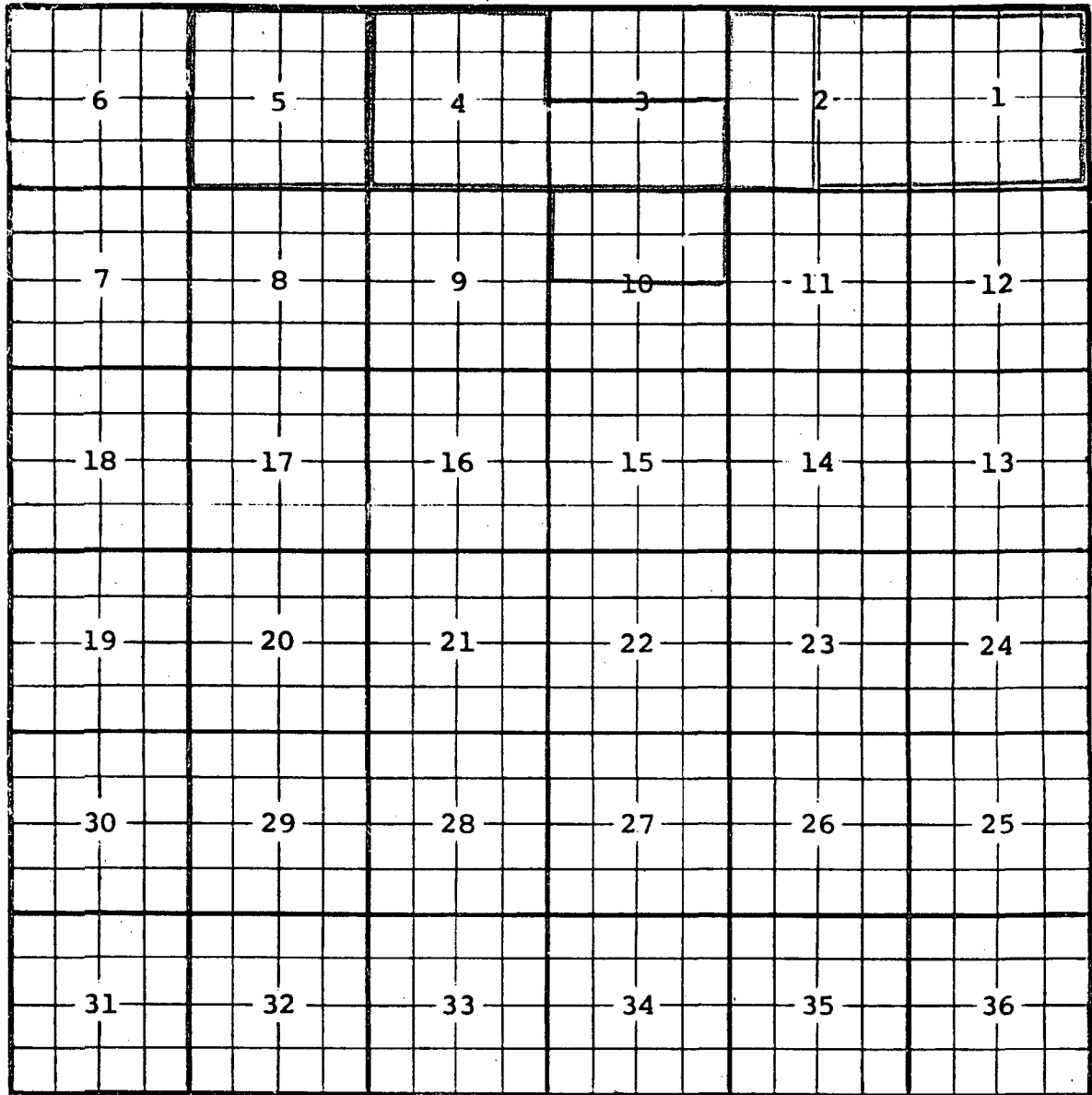
From: Ernie Busch
To: Mike Stogner
Subject: UNOCAL (NSL)
Date: Tue, Jul 12, 1994 9:41AM

WELL NAME: RINCON #186M
LOCATION: L-33-27N-07W
FOOTAGE: 1670' FSL; 1240' FWL
RECOMMEND: APPROVAL

NSL-3289

COUNTY Rio Arriba POOL Largo - Gallup Gas

TOWNSHIP 26 North RANGE 7 West NMPM



Description : $\frac{1}{2}$ Sec. 3; All Sec. 4 (R. 2462, 4-5-63)

Ext: All Sec. 5 (R-2896, 5-1-65) Ext: $\frac{1}{2}$ Sec. 10 (R-7420, 1-9-84)

Ext: $\frac{1}{2}$ SEC 2 (R-8713, 8/12/88) Ext: All Sec. 1, $\frac{1}{2}$ Sec. 2 (R-9982, 10-1-93)

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/18/94 14:35:33
OGOMES -EMD6
PAGE NO: 1

Sec : 33 Twp : 27N Rng : 07W Section Type : NORMAL

D 40.00 Federal owned A	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Federal owned
E 40.00 Federal owned	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/18/94 14:35:48
OGOMES -EMD6
PAGE NO: 2

Sec : 33 Twp : 27N Rng : 07W Section Type : NORMAL

L 40.00 Federal owned A	K 40.00 Federal owned	J 40.00 Federal owned	I 40.00 Federal owned
M 40.00 Federal owned A	N 40.00 Federal owned	O 40.00 Federal owned A	P 40.00 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12