

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  FILE  WATER SANDS  LOCATION INSPECTED  SUB REPORT/abd.

DATE FILED **3-20-92**

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN **1-149-IND-8837**

DRILLING APPROVED: **3-25-92**

SPUDDED IN:

COMPLETED **5-14-90 LA** PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA'D Per BLM EAF 5-14-92**

FIELD: **ANETH**

UNIT: **ANETH**

COUNTY: **SAN JUAN**

WELL NO. **G214SE**

**API NO. 43-037-31673**

LOCATION **2600' FSL** FT. FROM (N) (S) LINE.

**1450' FEL**

FT. FROM (E) (W) LINE.

**NWSE**

1/4 - 1/4 SEC.

**14**

TWP.	RGE	SEC.	OPERATOR
<b>40S</b>	<b>24E</b>	<b>14</b>	<b>TEXACO EXPL &amp; PROD INC.</b>

TWP.	RGE	SEC.	OPERATOR

**40S 24E 14 TEXACO EXPL & PROD INC.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE\*  
(Other instructions on  
reverse side)

FORM APPROVED.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR  
 TEXACO EXPLORATION AND PRODUCTION INC.

3. ADDRESS OF OPERATOR  
 P.O. Box 3109, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 2600' FSL & 1450' FEL, NW/SE  
 At proposed prod. zone  
 SAME AS SURFACE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3 MILES NORTHEAST OF MONTEZUMA CREEK, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 2770' EAST

16. NO. OF ACRES IN LEASE  
 16950

17. NO OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 850' SE

19. PROPOSED DEPTH  
 5889' DSCR

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show Whether DF, RT, GR, ETC.)  
 GR-4869'

22. APPROX. DATE WORK WILL START  
 JUNE 1, 1992

5. LEASE DESIGNATION AND SERIAL NO.  
 I-149-IND-8837

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 NAVAJO

7. UNIT AGREEMENT NAME  
 ANETH UNIT

8. FARM OR LEASE NAME  
 UNIT

9. WELL NO.  
 G214SE

10. FIELD AND POOL, OR WILDCAT  
 ANETH 3165

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 14, T-40-N, R-24-E

12. COUNTY OR PARISH  
 SAN JUAN

13. STATE  
 UTAH

RECEIVED  
 MAR 20 1992

DIVISION OF  
 OIL GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48#	40'	REDI-MIX
11	8 5/8	24#	1696'	700 SACKS
7 7/8	5 1/2	17# & 15.5#	5889'	1970 SACKS

CEMENTING PROGEAM:

CONDUCTOR CASING - REDIMIX

SURFACE CASING - CEMENT TO SURFACE WITH 540 SACKS CLASS G w/ 2% GEL & 1/4# FLOCELE (14.8ppg, 1.34cf/sx, 6.3gw/sx). F/B 160 SACKS CLASS G w/ 2% Cacl2 (15.8ppg, 1.16cf/sx, 5gw/sx).

PRODUCTION CASING - 1600 SACKS 35/65 POZ CLASS G w/ 6% GEL, 5% SALT, & 1/4# FLOCELE (12.5ppg, 1.85cf/sx, 9.8gw/sx). F/B 370 SACKS 50/50 POZ CLASS G w/ 2% GEL, 5% SALT, & 1/4# FLOCELE (13.7ppg, 1.23cf/sx, 5.4gw/sx).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED C.P. Basham/cw# TITLE DRILLING OPERATIONS MANAGER DATE 03-16-92

(This space for Federal or State office use)

PERMIT NO. 43-037-31673

APPROVAL DATE

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

DATE: 3-25-92  
 BY: J.P. Matthews  
 WELL SPACING: 649-2-3

\*See Instructions On Reverse Side

L. LOCATION PLAT

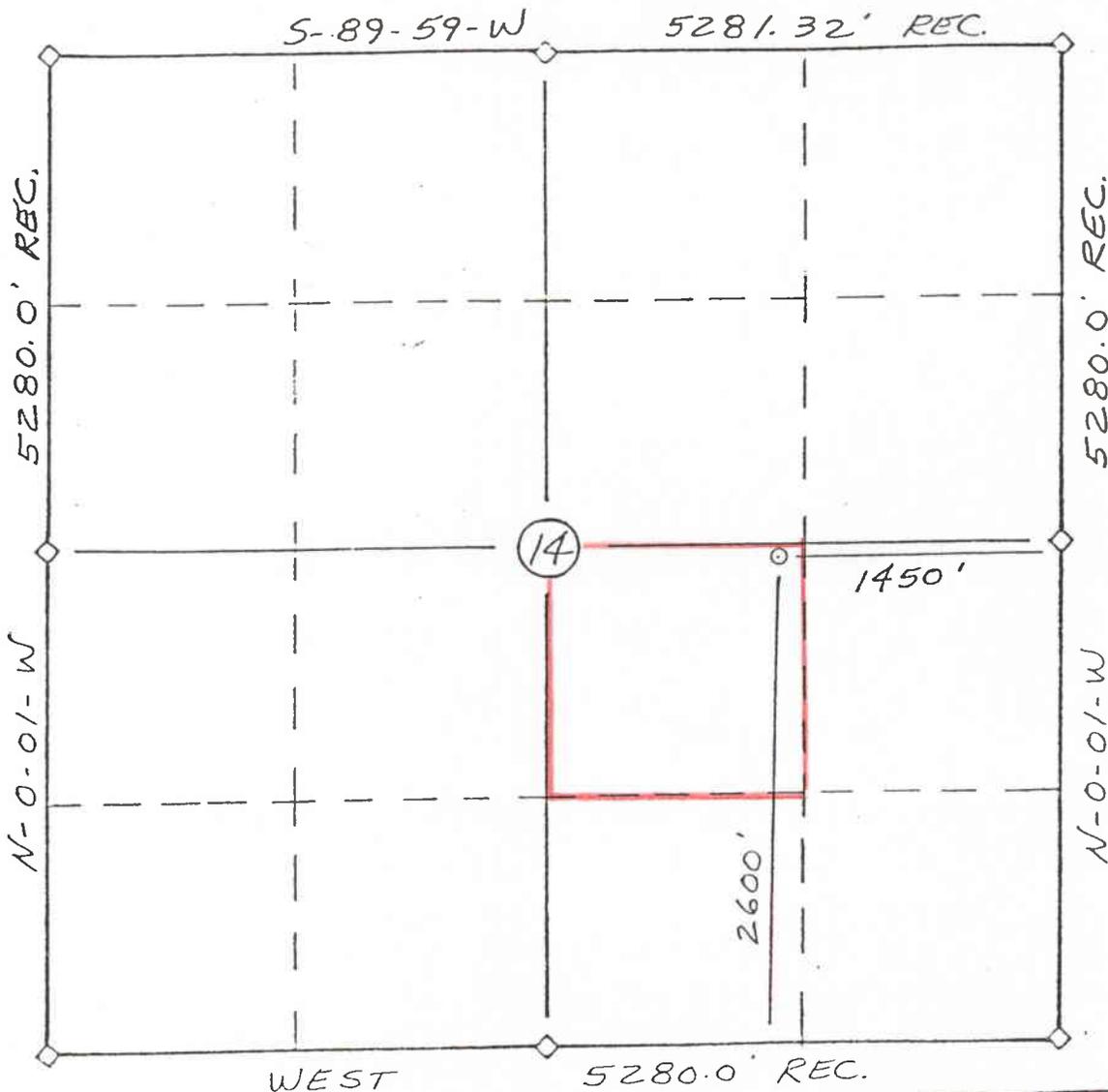
WELL NAME: TEXACO ANETH UNIT # G214 SE

2600' F.S.L. & 1450' F.E.L.  
IN THE NW 1/4 SE 1/4, OF SECTION 14,

T. 40 S. R. 24 E. OF THE SLB PM,

SAN JUAN COUNTY, UTAH

4869' GROUND ELEVATION.

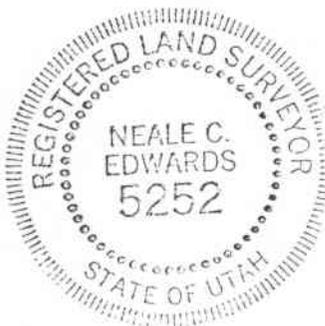


SURVEYOR'S CERTIFICATE

I, NEALE C. EDWARDS A REGISTERED LAND SURVEYOR  
IN THE STATE OF UTAH DO HEREBY CERTIFY THAT  
THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION  
AND THAT THIS PLAT REPRESENTS SAID SURVEY.

*Neale C. Edwards*  
L.S. NO 5252

DATE: 3-6-92



NCE SURVEYS

4900 Kaventa Dr.  
Farmington, NM 87402  
(505) 225-2654

THIRTEEN POINT SURFACE USE PLAN

Texaco Exploration & Production, Inc.

Aneth Unit G214SE  
2600' FSL - 1450' FEL, Sec 14 T40S-R24E  
San Juan County, Utah

1. Existing Roads: Refer to Vicinity Lease Map
  - a) The proposed wellsite is staked and the surveyor's plat is attached.
  - b) To reach the location from Montezuma Creek, Utah: follow Hwy 262 North, Northeasterly for 1.6 miles. Turn right at Texaco Aneth Field Office sign and follow main road for 3 miles. Turn left and go approximately 3/10 mile, turn right on access road and follow approximately 1/4 mile to location.
  - c) Existing roads within a one-mile radius - Refer to Vicinity Lease Map.
  - d) The existing road will be maintained as necessary to provide access during the drilling operation.
2. Planned Access Road: Refer to Vicinity Lease Map

1200' of new access road will be necessary. The proposed wellpad lies adjacent to an existing lease road.
3. Location of Existing Wells: See Vicinity Lease Map.
4. Location of Existing and/or Proposed Facilities Owned by Texaco, Inc. within a One-Mile Radius:
  - a) Existing:

Tank Batteries and/or Production Facilities: Are on existing locations shown on the Vicinity Lease Map.
  - b) New Facilities: The proposed location will have a pumping unit and oil sales line. The actual equipment and its configuration will be determined after the well is completed.
  - c) Rehabilitation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended.

5. Location and Type of Water Supply:

- a) Source: Montezuma Creek Booster Station, approximately 4 1/4 miles southwest of the location.
- b) The water will be trucked over existing roads to the well location. No new construction will be required on/along the water haul route.
- c) No water well will be drilled on this location.

6. Source of Construction Materials:

- a) No construction materials will be needed for well pad construction, surface and subsurface soils will be sufficient.
- b) If production is obtained, native materials will be used on the location and for installation of production facilities.
- c) On-site inspection may dictate any changes in location construction.

7. Methods of Handling Waste Material Disposal:

- a) Cuttings - the cuttings will be deposited in the reserve pit.
- b) Drilling fluids - contained in reserve pit and allowed to evaporate.
- c) Produced fluids - none anticipated.
- d) A portable chemical toilet will be provided.
- e) Garbage and other waste material - garbage and trash will be handled in a trash bin container and hauled away from the location.
- f) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on the location. The reserve pit will be fenced during drilling and kept fenced until such time as it is backfilled.

8. Ancillary Facilities: Camp facilities will not be required. Portable trailers will be on location to house a company drilling foreman and contract toolpusher.

9. Wellsite Layout:

- a) The well pad layout shows the drill site layout as staked. Cross-sections have been drafted to visualize the planned cuts and fills across the location. Topsoil will be stockpiled per specifications.
- b) The reserve pit will be fenced on 3 sides before drilling begins. The fourth side will be fenced when the drilling rig leaves location.
- c) The reserve pit will be lined (10 mil material).

10. Plans for Restoration of the Surface:

- a) Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- b) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula by BLM. Revegetation is recommended for road area, as well as around the drill pad.
- c) The reserve pit will be fenced during drilling operations. Fencing will be maintained until leveling and cleanup are accomplished.
- d) If any oil is in the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with mesh.
- e) The rehabilitation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation will be done between July 1 and September 15.

11. Other Information:

- a) There are no archaeological or cultural sites visible on the location or proposed roadway. A cultural resources survey was performed on the proposed wellsite on March 5, 1992. (See attached Archaeological Survey)
- b) General Topography: Shown on Vicinity Lease Map. The terrain at the wellsite is gently rolling hills. Vegetation is primarily natural grasses.
- c) Animal life: Prairie dogs, domestic livestock, mule deer, rabbits and native rodents and predators.
- d) Dwellings - Nearest dwelling: 1 1/4 mile.
- e) General location: Approximately 4 1/2 miles Northeast of Montezuma Creek, Utah.
- f) Drainage: Northwesterly into Montezuma Creek.
- g) Surface owner: Navajo Tribal Trust.

12. Operator Representatives:

C.P. Basham  
K.S. Hillman  
Division Drilling Operations Manager  
P. O. Box 3109  
Midland, Tx 79702  
Phone: (915) 688-4620 or 4640

Ted A. Tipton  
Area Manager  
3300 North Butler  
Farmington, NM 87401  
(505) 326-2657

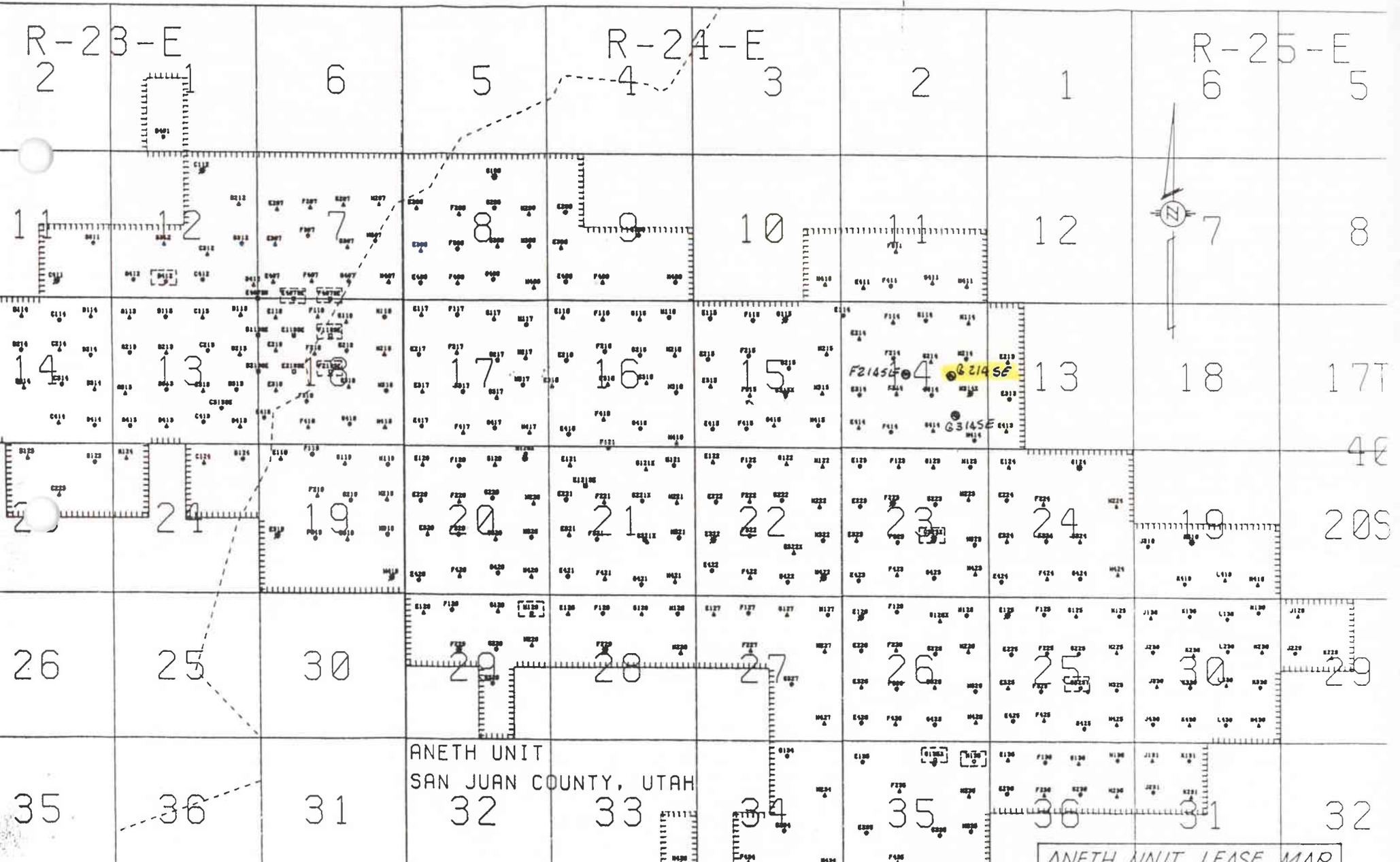
13. Certification

I hereby certify that I, or someone under by direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Texaco Exploration and Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_

3-16-92

  
\_\_\_\_\_  
C.P. Basham or K.S. Hillman  
Division Drilling Operation Manager



R-23-E  
2

R-24-E  
3

R-25-E  
5

11

10

7

14

15

17T

2

20S

26

29

35

32

ANETH UNIT  
SAN JUAN COUNTY, UTAH

ANETH UNIT LEASE MAP

# VICINITY LEASE MAP

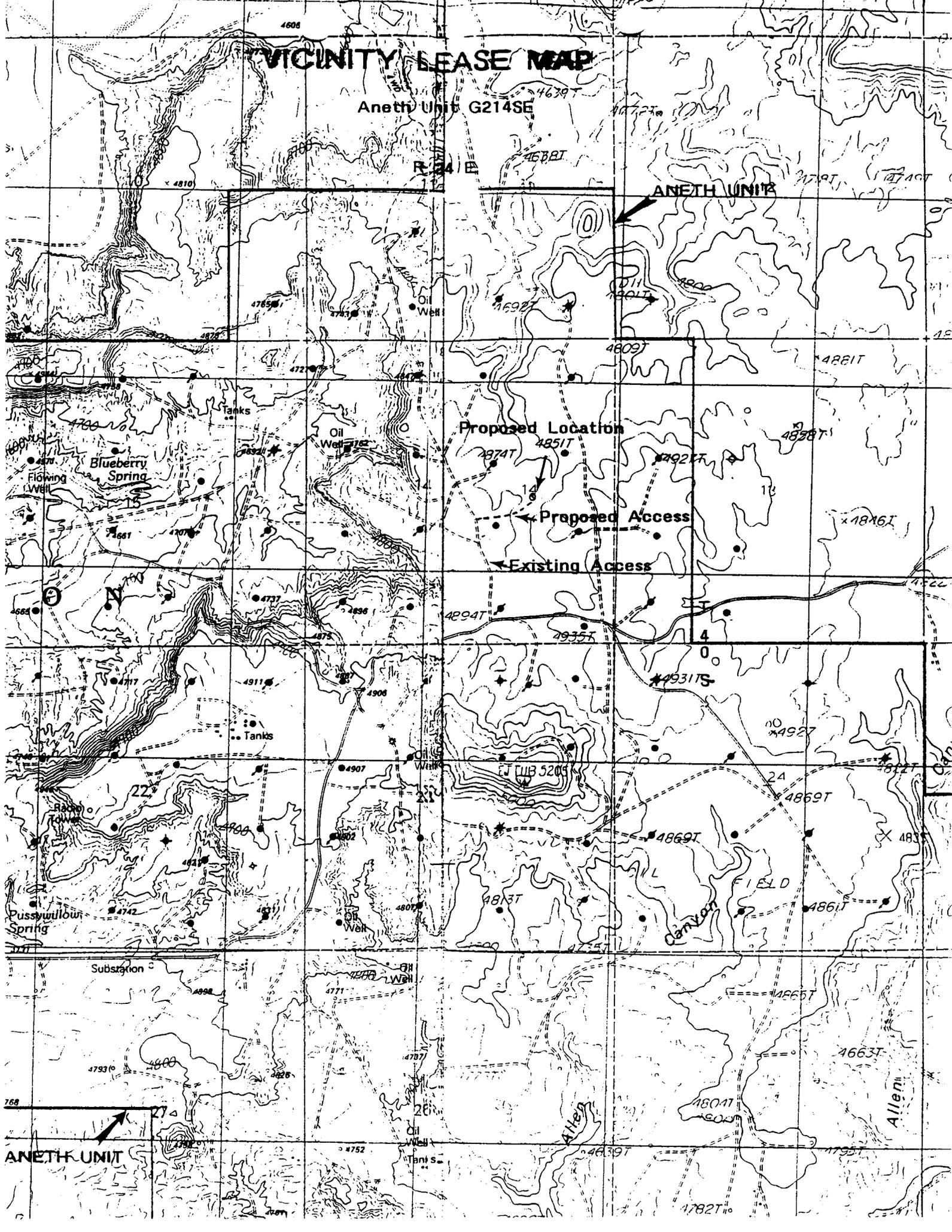
Aneth Unit G214SE

ANETH UNIT

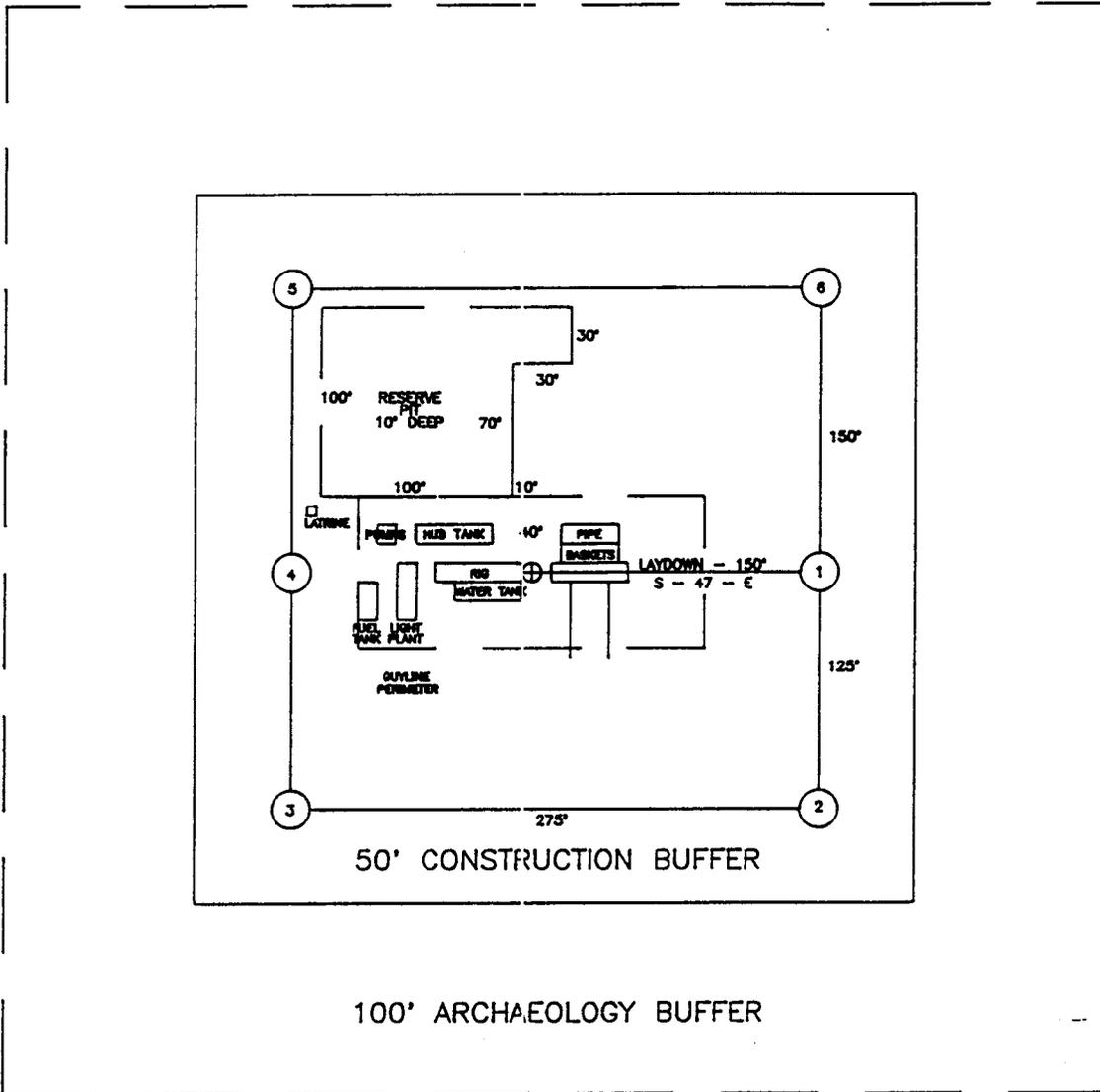
Proposed Location

Proposed Access

Existing Access

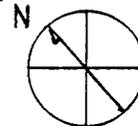


ANETH UNIT



TEXACO  
EXPLORATION & PRODUCTION, INC.

WELLSITE LAYOUT  
ANETH UNIT G214SE  
2600' FSL - 1450' FEL  
SECTION 14, T40S, R24E, SLBM  
SAN JUAN CO., UTAH  
SCALE: 1" = 100'



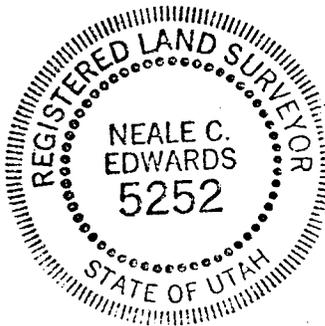
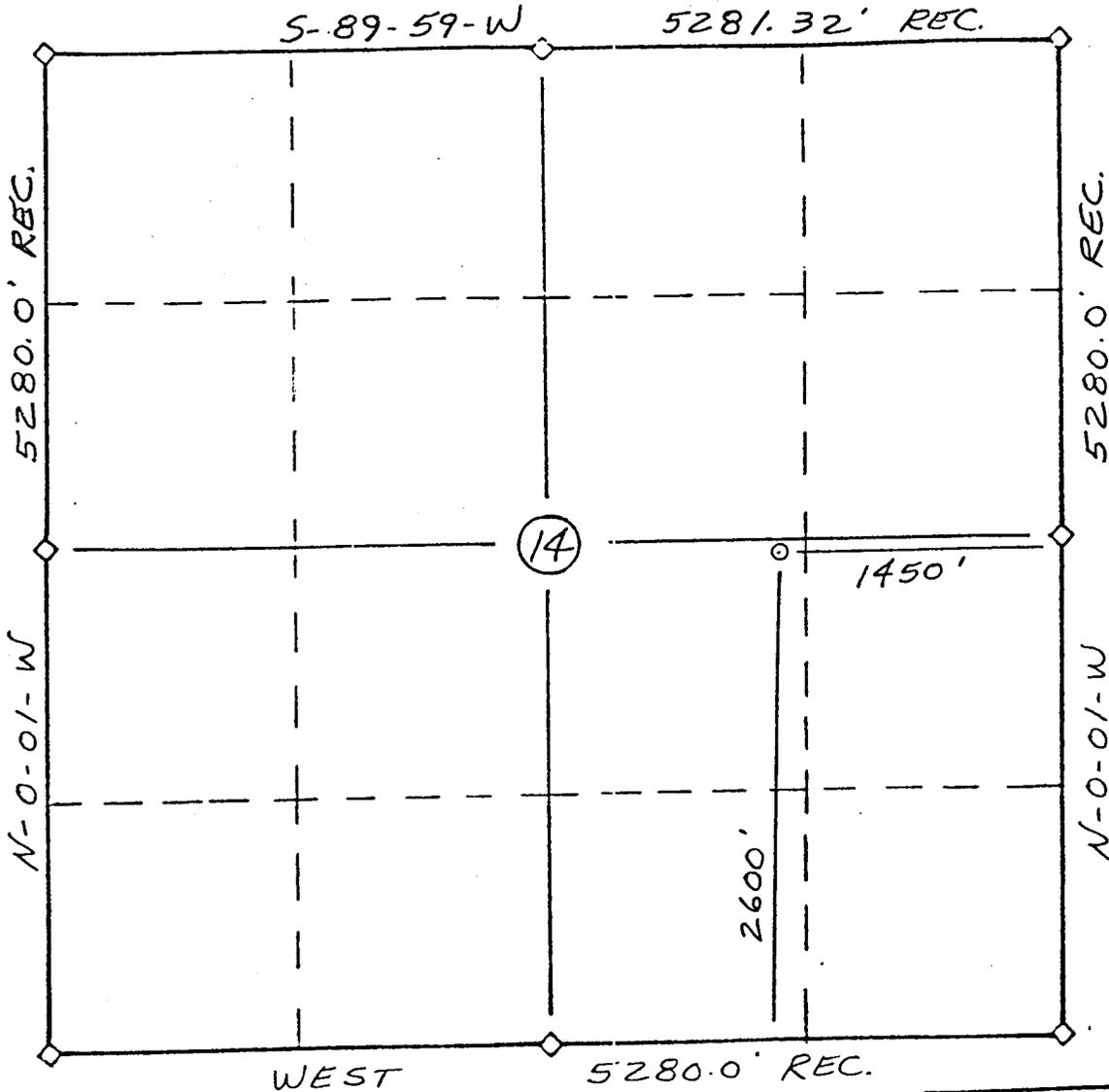
WELL LOCATION PLAT

WELL NAME: TEXACO ANETH UNIT # G214 SE

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4869' GROUND ELEVATION.



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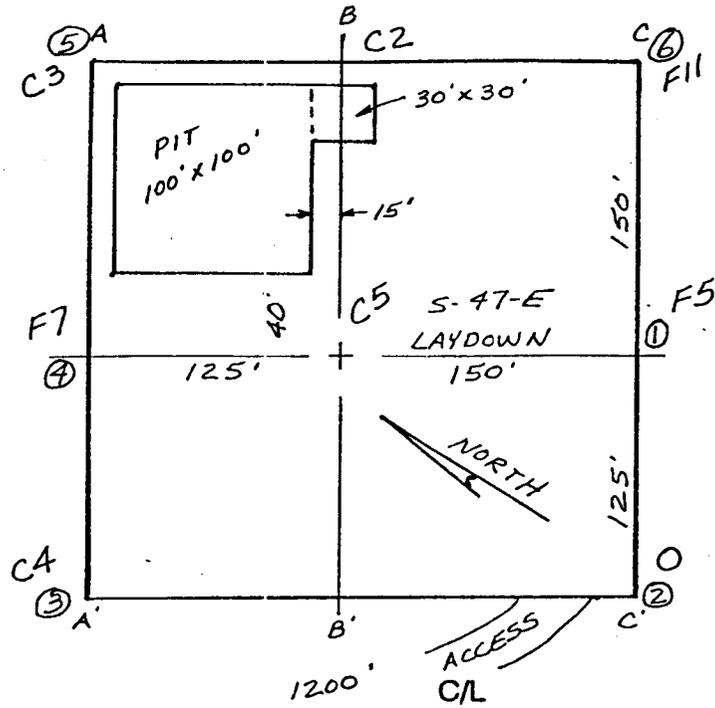
*Neale C. Edwards*  
L.S. NO 5252

DATE: 3-6-92

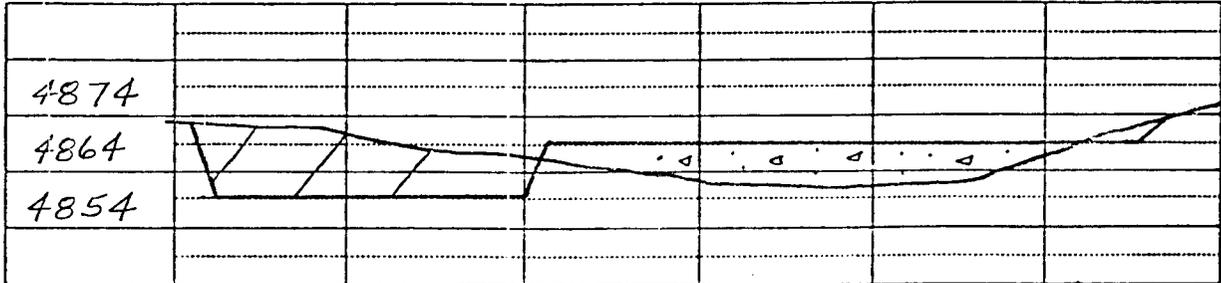
NCE SURVEYS

4900 Kaventa Dr.  
Farmington, NM 87402  
(505) 323-2654

Name: TEXACO ANETH UNIT # G 214SE  
 Footage: 2600' FSL 1450' FEL  
 Sec. 14 T. 40 S, R. 24 E, SLBPM  
 Co. SAN JUAN St. \_\_\_\_\_  
 Elevation: 4869' Date: 3-6-92

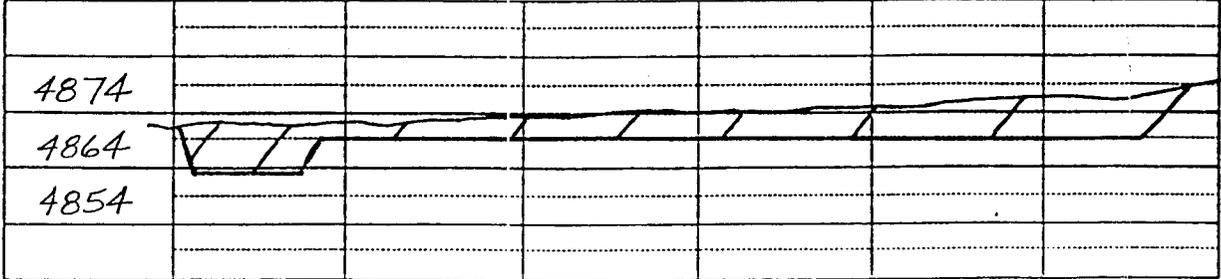


A-A'



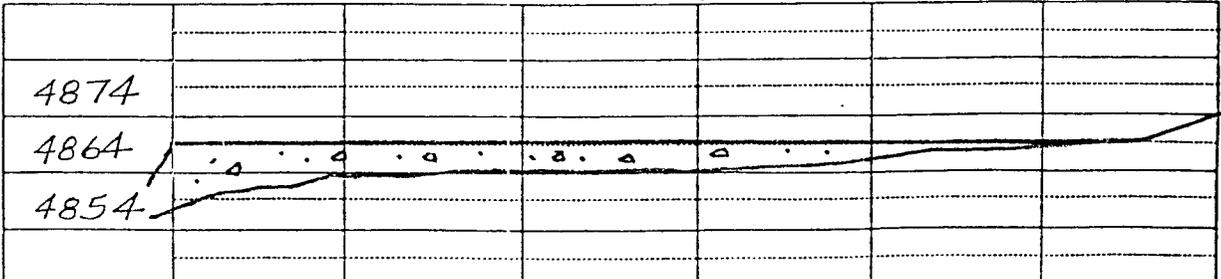
B-B'

C/L



C-C'

C/L



DRILLING PROGRAM

Texaco Exploration and Production Inc.  
Aneth Unit Well No. G214SE

1. Estimated KB Elevation: 4883'

FORMATION	-----TOP-----		-----BASE-----		FLUID
	MEASURED	SUBSEA	MEASURED	SUBSEA	
Navajo	757'	+4126'	1685'	+3198'	Water
Chinle	1685'	+3198'	2657'	+2226'	Marker
De Chelly	2657'	+2226'	4130'	+753'	Water
Hermosa	4130'	+753'	5548'	-665'	Marker
Ismay	5548'	-665'	5702'	-819'	Oil
Desert Creek	5702'	-819'	5889'	-1006'	Oil

FORMATION	--EST SBHP--		EST SBHT		H2S	---SIGNIFICANCE---
	PSIG	PPG EMW	DEG f	PPM		
Navajo	736	8.4	79		0	Poss. water flow
Chinle	1243	9.0	90		0	Marker
De Chelly	1932	9.0	106		0	Poss. water flow
Hermosa	2596	9.0	121		0	Marker
Ismay	2668	9.0	123		15M	Secondary Pay
Desert Creek	2756	9.0	125		15M	Primary Pay

2. See (1) above.

If any unexpected water or mineral bearing zones are encountered, they will be reported, evaluated, and protected as circumstances and regulations require.

3. Pressure Control Equipment

3000 psi Double Gate preventer with 3000 psi annular preventer and rotating head (See Exhibit #1).

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under casing strings which are set and cemented in place. Blowout preventers will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

Upper and lower kelly cocks with valve handle and Safety valve and subs to fit all drill string connections in use will be available.

Test Frequency

1. When installed.
2. Anytime a pressure seal is broken (test confined only to affected equipment).
3. At least every 29 days.
4. Blind and pipe rams shall be activated each trip but not more than once/day.

4. Casing and Cement Program

---DEPTH---	SECTION	HOLE	CASING	WT.	GRADE	THREADS	NEW
FROM TO	LENGTH	SIZE	SIZE	PPF		COUPLINGS	USED
0'	40'	40'	17.5	13.375	48	H-40 PE	NEW
0'	1696'	1696'	11	8.625	24	J-55 8rd ST&C	NEW
0'	5889'	5300'	7.875	5.5	15.5	J-55 8rd LT&C	NEW
	589'		7.875	5.5	17	L-80 8rd LT&C	NEW

CASING STRING	DV DPTH	STG	LD TL	AMT SXS	TYPE CEMENT	YIELD CF/SX	WT. PPG.	TOC	ADDITIVES
13.375	NONE	1			REDI-MIX				
8.625	NONE	1	LD	540	CLASS G	1.34	14.8	SURF	2% GEL, 2% Cacl2
		1	TL	160	CLASS G	1.16	15.8	SURF	2% Cacl2
5.5	NONE	1	LD	1600	35/65 POZ/G	1.85	12.5	SURF	6% GEL, 5% SALT, 1/4# FLOCELE
		1	TL	370	50/50 POZ/G	1.23	13.7	SURF	2% GEL, 5% SALT, 1/4# FLOCELE

Each stage will be preceded by an appropriate flush fluid.

5. Mud Program

---DEPTH---	MUD TYPE	WEIGHT	VIS	WL	ADDITIVES	VISUAL
FROM TO		PPG		CC		MONTR.
0'	FW	8.4	28	NC	LCM if needed	X
1696'	FW-GEL	9.0	30-33	15	Soda Ash, LCM if needed	X

Sufficient quantities of additives will be on location to maintain above mud properties for any anticipated well conditions.

6. Logging, Testing

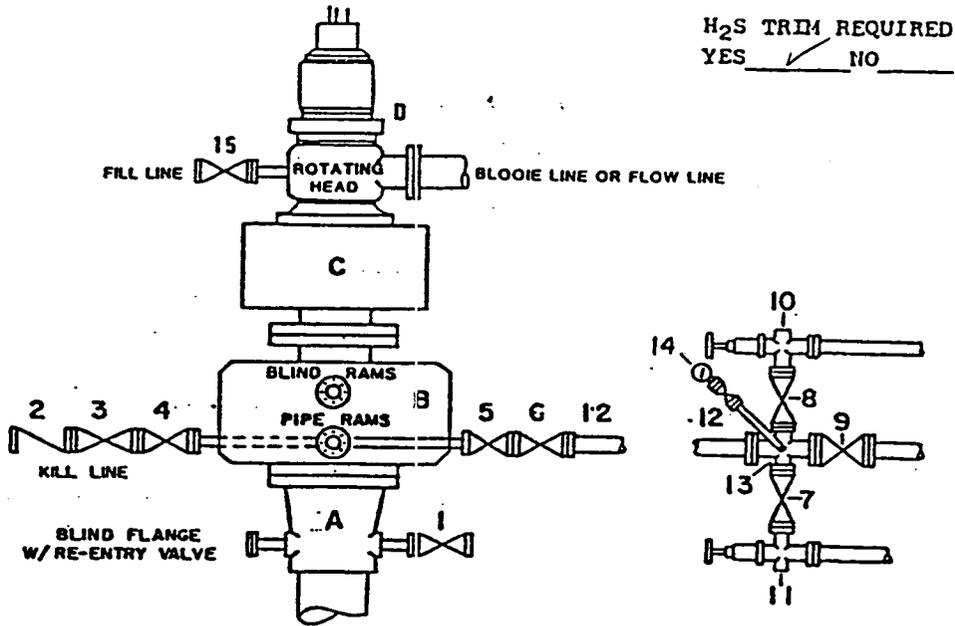
LOG/TEST/CORE/MUDLOG/OTHER	---INTERVAL---	REMARKS
	FROM TO	
GR-CNL-LDT-CAL	5889' MIN.	
GR-SONIC	5889' MIN.	
GR-DI-SFL	5889' BSC	GR WILL BE PULLED TO SURFACE.

No Cores or DST's.  
No Mud Logger.

7. See (1) above.

8. Other Information

**DRILLING CONTROL  
CONDITION III-B 3000 PSI WP**



H<sub>2</sub>S TRIM REQUIRED  
YES  NO

**DRILLING CONTROL  
MATERIAL LIST - CONDITION III - B**

- A Texaco Wellhead
- B 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram preventers may be utilized with 3000# W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers).
- C 3000# W.P. Annular Preventer with 1" steel, 3000# W.P. control lines.
- D Rotating Head with fill up outlet and extended Bloopie line.
- 1,3,4, 7,8, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 3" minimum Schedule 80, Grade B, seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent (location optional in Choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.  
MIDLAND DIVISION  
MIDLAND, TEXAS



SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			

EXHIBIT 1

M.A.R., Project No. 92-07

Navajo Nation Cultural Resources  
Inventory Permit No. B9217

Utah State Project No. U-92-MO-075

An Archaeological Survey of  
Three well locations and access roads  
northeast of Montezuma Creek in San Juan  
County (Aneth Chapter), Utah

for

Property Management and Consulting, Inc.  
P.O. Box 2596  
Farmington, N.M. 87499-2596

Agent for:

Texaco Exploration and Production, Inc.  
500 N. Loraine, Midland, TX 79701

Texaco Aneth Unit wells:

F214-SE  
G214-SE  
G314-SE

Written and  
Submitted by

Roger A. Moore, Jr.  
Principal Investigator

March 10, 1992

Moore Anthropological Research

Technical Report No. 91-07

M.A.R., P.O. Box 1156, Aztec, New Mexico 87410

## ABSTRACT

On March 5 and 6, 1992, Moore Anthropological Research conducted a Class III archaeological survey of three well locations (Aneth Unit wells F214-SE, G214-SE, G314-SE) and access roads for Texaco Exploration & Production, Inc. of Midland Texas. The survey areas are located northeast of the community of Montezuma Creek and east of Blueberry Spring (Aneth Chapter; Shiprock Agency) in T.40S, R.24E, Section 14, San Juan County, Utah. The project area is under the jurisdiction of the Bureau of Indian Affairs and the Navajo Nation, Tribal Trust. A total of 29.04 acres (11.75 hectares) were inventoried.

One archaeological site and 14 isolated loci were discovered during the survey. Site 42SA22140 (MAR-92-03) is a lithic quarry. The beginning of the access road to well Aneth Unit well No. G314 SE was moved 140 feet north so the site would be avoided by at least 20 meters (65 feet); this move may result in a finding of no effect of this project on the site. The nearest Traditional Cultural Property is over 1000 feet from the project area and will not be affected by the project.

The documentation of the isolates in the field has sufficiently exhausted their research potential for the purpose of this project.

Archaeological clearance is recommended.

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## INTRODUCTION

On March 5 & 6, 1992, Moore Anthropological Research (M.A.R.) conducted a Class III archaeological survey for Texaco Exploration & Production, Inc. of Farmington, New Mexico. Jeff Albers of Property Management & Consultants, Inc., agent for Texaco, requested the survey on February 6, 1992, and administered the project. Roger A. Moore administered the project for M.A.R. The area surveyed covered 29.04 acres.

Over the years the people of the United States have become more aware of the nonrenewable nature of their archaeological resources and their cultural heritage. As a result of this growing concern federal, state and local governments have passed laws and enacted ordinances designed to protect and conserve archaeological, historical, and anthropological resources. The principal legislation affecting federal lands, federally administered projects, or federally funded projects includes the Federal Antiquities Act of 1906 (P.L.52-209), the Reservoir Salvage Act of 1960 as amended (16 U.S.C. 469), the National Historic Preservation Act of 1966 (P.L.89-665) as amended in 1980 (P.L.96-515), the National Environmental Policy Act of 1969 (P.L.91-852), Executive Order No. 11593 of 1971 (36 F.R.8921, 16 U.S.C. 470), the Archaeological Resource Protection Act of 1979 (P.L.96-95; P.L.100-555), and the American Indian Religious Freedom Act of 1979 (P.L.95-341); Native American Graves Protection and Repatriation Act of 1990 (P.L. 101-601). The principal legislation affecting non-federal lands in New Mexico is the Cultural Properties Act. Other legislation governing cultural resources on the Navajo Nation include the Navajo Nation Cultural Resources Protection Act (CMY-19-88), and the Resolution of the Advisory Committee of the Navajo Tribal Council (ACMA-39-86). Work conducted in the course of this project is intended to comply with the above-mentioned laws and is governed by the stipulations of Navajo Nation Cultural Resources Inventory Permit No. B9217. Utah State Project Number is U-92-MO-075i.

Roger A. Moore, M.A.R. archaeologist, surveyed the project area for cultural remains and interviewed informants concerning potential for Traditional Cultural Properties. The Navajo Nation Historic Preservation Department was notified of the proposed survey by mail on February 6, 1992, prior to beginning fieldwork. Jeff Albers of Property Management, and Neal and Kenny Edwards of NEC Survey Co. accompanied the archaeologist during the fieldwork.

## METHODS

The project area was surveyed by walking parallel transects 8 to 12 meters apart across the pads and perpendicular to the access routes. A construction zone 50 feet wide and a buffer zone 100 feet wide around the well locations, and a buffer zone 50 feet wide on both sides of the access routes was included in the survey. The project area was marked with orange painted lath on the well location and ends of the access routes, and orange flagged vegetation along the access routes prior to conducting the survey. Archaeological sites were marked with an aluminum tag. All cultural remains were recorded relative to known points within the project area. Archaeological sites and Traditional Cultural Properties (T.C.P.; secret places) were recorded on the appropriate state site forms, photographed, and a sketch map prepared. The site sketch map was prepared from data obtained by laying out a metric tape from the nearest point of the proposed

access road to and across the site, and a second tape laid out across the site perpendicular to the first tape; artifacts were described using the standards and terminology found in Moore (1989). The lithic artifacts were described in terms of specific material type, and core or flake type. Isolated Loci were recorded according to the permitting agency guidelines. Pertinent environmental data were also recorded. Locational information presented in this report is derived from plats or vicinity maps provided by the client. Sites and isolates are defined according to "Interim Fieldwork and Report Standards Guidelines Navajo Nation Historic Preservation Department" dated 1 August, 1991.

## RECORDS SEARCH

A records search was conducted prior to field inspection on February 7, 1992, at the Navajo Nation Cultural Resource Management office in Farmington, determine if any sites had been recorded within a one mile radius of the project area. Projects in this area for which previous cultural resource inspections have been conducted include oil and gas related development projects. The records search showed eight previously recorded sites within one mile of the project (Government Supplement Map [for government and tribal archaeologist only]). None of these sites are within 0.5 mile of the project areas. The nearest previously recorded site (UT-C-42-15) is located just over 0.5 mile from the project area, and will not be affected by this project.

### Ethnographic Inquiry

On March 5, 1992, Margie Dee of the Utah Land Office, Office of Navajo Land Administration gave me the names of two persons to interview concerning Traditional Cultural Properties: Hugh Benally and Louise Billy. I was able to locate and interview Hugh Benally on March 5. I made two attempts to locate Louise Billy on March 6 without success. I then left a color coded copy of the project map, a business card, and instructions with her son that she could call either phone number collect to contact me. This information was left at her home in Aneth (her son said they have no phone in the home, but there are several pay phones in Aneth). As of the date of this report I have not heard from her.

Hugh Benally has a summer homestead in the section immediately west of the section the project is in and a winter homestead just east of the confluence of Nancy Patterson Canyon and Montezuma Creek, about 1.5 miles northeast of Hatch Trading Post. Present at the interview were myself, Hugh Benally, and his son Ed Benally. Hugh Benally speaks both Navajo and English, but his son did some translation just to make sure Hugh understood everything I was saying. I showed Hugh copies of 1:100,000 and 7.5' maps to show him the project areas and discussed natural and oil field landmarks to make sure he understood the areas I was concerned with.

Hugh Benally said there are no Traditional Cultural Properties (T.C.P.) in the project area. He did say a mesa cliff area over 1000 feet from the project area was a T.C.P. (T.C.P. #1 on nearby site map and Appendix I). There are also some sacred clay knobs in the next section to the north (T.C.P. #2 on nearby site map and Appendix I). Hugh Benally felt the distance of these T.C.P.'s from the project area was great enough (1000 to 4000 feet) that he was not concerned about the completion of this project.

## PROJECT AREA

### Aneth Unit Well No. F214 SE

Legal Description: T.40S, R.24E, Section 14, SE 1/4 SE 1/4 NW 1/4  
 NE 1/4 NE 1/4 SW 1/4  
 Section 40, 2580' F/NL, 2350' F/WL

U.T.M.: Zone 12, 4130520 N, 655145 E (NE corner of buffer zone)  
 4130360 N, 655140 E (SE corner of buffer zone)  
 4130360 N, 654970 E (SW corner of buffer zone)  
 4130520 N, 654980 E (NW corner of buffer zone)

Salt Lake Principal Meridian, San Juan County, Utah, 4879' Elevation

Agency: Shiprock Chapter: Aneth

Map Source: U.S.G.S. 7.5' Navajo Canyon, Utah 1985 Provisional Edition  
 7.5' Montezuma Creek, Utah 1989 Provisional Edition

Land Jurisdiction: Navajo Nation, Tribal Trust

Project Area: 275' x 275' (well pad)  
 375' x 375' (well pad with construction zone)  
 Surveyed Area: 575' x 575' (pad with construction and buffer zones)  
 Acres: 7.59

**Environment:** The proposed well is on a gently west and southwest facing slope on the rolling mesa north of Allen Canyon and east of Blueberry Spring (Figure 1). The mesa is formed by the Brushy Basin member of the Morrison formation (Haynes, et al 1972). The soil is a brown to light brown sandy to silty loam which may be as deep as 6 to 20 inches. This soil has numerous siltstone and some sandstone angular to subangular clasts which almost form a pavement in some areas. The clasts range in size from 1 to 25cm in length, and 50 to 80% have some degree of desert varnish development.

A mixed grassland/scrubland provides a 5 to 10% cover dominated by shadscale and galleta grass. Also present are wild onion and other annuals, snakeweed, and prickly pear cactus. Some dropseed grass, three-awn grass, cheat grass, and narrow leaf yucca are present in the southwest buffer zone. Current use of the area is for livestock grazing and energy development. The weather was cool and clear, with no snow cover, during the survey.

**Project Description:** This is a proposed oil well and access road (Figure 2). The well is east of the intersection of two bladed roads and the tank battery well header 21-22-14. The access road will go east about 50 feet from the south half of the east side of the pad to an existing bladed road. The access falls within the construction zone of the survey area.

**Cultural Resources:** No previously recorded sites are within 0.5 mile of this proposed well. No archaeological sites or traditional cultural properties were found, but one isolated loci (IL 1) was discovered. The IL is described in Table 1; this is a flake made from local material, with no desert varnish on any surface. Recording of the isolate has sufficiently exhausted its research potential for the purpose of this project.

# FIGURE 1



MONTEZUMA CREEK, UTAH  
 PROVISIONAL EDITION 1989

NAVAJO CANYON, UTAH  
 PROVISIONAL EDITION 1985

M.A.R. Report 92-007  
 Navajo Nation # B9217  
 Utah # U-92-MO-075i

Aneth Unit Wells: F214 SE, G214 SE,  
 G314 SE.  
 T.40S, R.24E, Sec. 14; S.L.P.M.;  
 San Juan County, Utah.

**KEY:**

- Well pad → 
- Buffer zone → 
- Access route → 
- Isolated Loci = 
- Archaeological Site = 

**FOR OFFICIAL USE ONLY**  
 DISCLOSURE OF SITE  
 LOCATIONS IS PROHIBITED  
 (36CFR296.18)

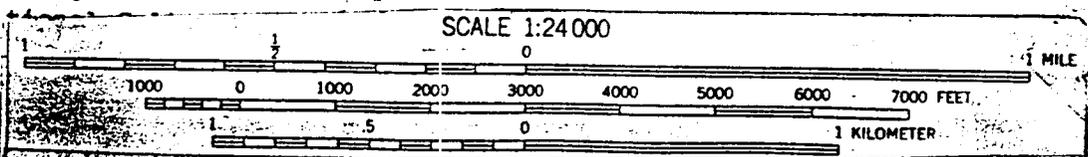
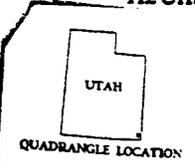
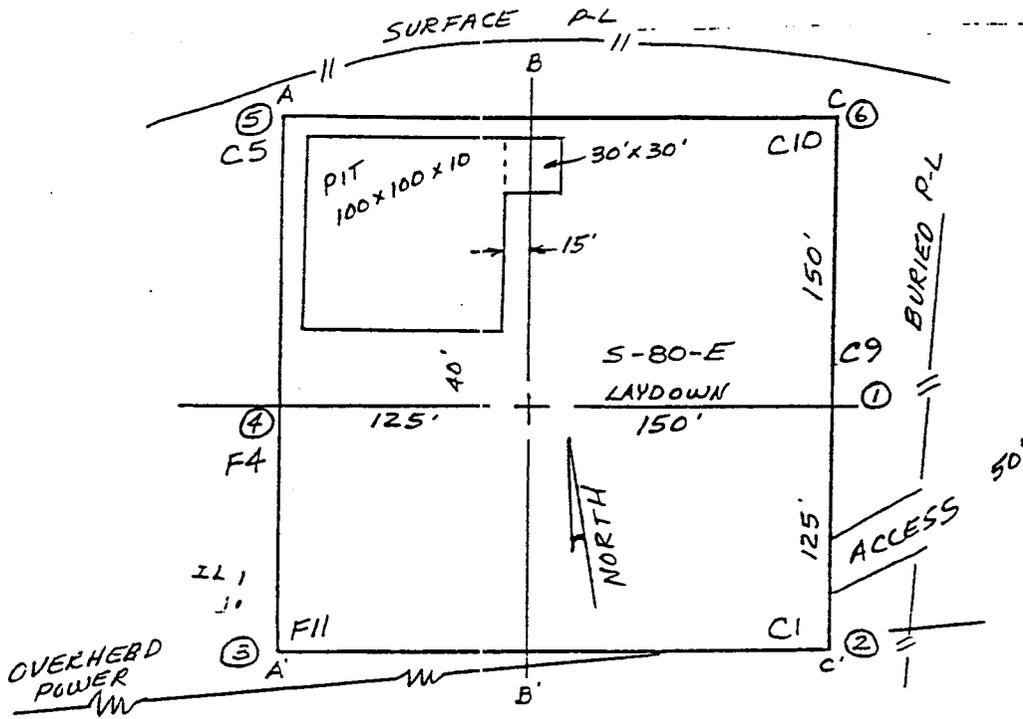


FIGURE 2

Name:	TEXACO ANETH UNIT # F214 SE		
Footage:	2580' FNL 2350' FWL		
Sec:	14	T. 40	S. R. 24 E, S48PM
Co.:	SAN JUAN		St. UTAH
Elevation:	4879'		Date: 3-6-92



A-A' C/L

4889				
4879	[Hand-drawn profile across the section]			
4869				

B-B' C/L

4889				
4879	[Hand-drawn profile across the section]			
4869				

C-C' C/L

4889				
4879	[Hand-drawn profile across the section]			
4869				

TABLE 1: Isolated Loci Descriptions

IL #	LEGAL DESCRIPTION			UTM: Zone 12		Elev	text	Con-	Cult Affl	Description
	Sec	1/4	1/4	northing	easting					
1	14	NE	NE	NW	4130400	655000	4860	GS	H	One light gray chert TCRF, 1 facet platform w/no cortex, distal end missing, 30mm L, 20mm W, 4mm Th.
2	14	NE	NW	SE	4130300	655470	4875	RS	H	One green-gray siltstone TCRF, 2 facet platform w/no cortex, 56mm L, 52mm W, 16mm Th.
3	14	NE	NW	SE	4130330	655520	4870	RS	H	One mottled gray Morrison chert SCRPF, w/cortical platform, 41mm L, 56mm W, 16mm Th.
4	14	NE	NW	SE	4130360	655580	4870	RS	H	One mottled black/gray siltstone TCRF, 1 facet platform w/no cortex, 48mm L, 46mm W, 7mm Th.
5	14	NW	NE	SE	4130370	655620	4880	RS	H	One mottled black/gray siltstone TCRF, 2 facet platform w/no cortex, 66mm L, 52mm W, 17mm Th.
6	14	SW	SE	NE	4130440	655610	4860	RS	H	One green-gray siltstone TCRF, 1 facet platform w/no cortex, 31mm L, 27mm W, 9mm Th.
7	14	SE	SW	NE	4130460	655560	4870	RT	H	One green-gray siltstone SCRPF, 2 facet platform w/no cortex, 83mm L, 101mm W, 30mm Th.
8	14	NE	NW	SE	4130390	655560	4860	RS	H	One green-gray & black siltstone TCRF, 1 facet platform w/no cortex, 70mm L, 86mm W, 16mm Th.
9	14	SE	SW	NE	4130430	655565	4870	RT	D	One green-gray & black siltstone TCRF, 1 facet platform w/no cortex, 75mm L, 50mm W, 17mm Th., 10% of dorsal face starting to darken with Desert Varnish.
10	14	SE	SW	NE	4130430	655520	4860	RS	H	One green-gray & black siltstone SCRPF, 1 facet platform w/no cortex, 68mm L, 45mm W, 12mm Th.
11	14	SE	NE	SE	4130060	655850	4920	BN	H	Two Brushy Basin Chert flakes: one PCRPF, cortical platform 39mm L, 36mm W, 12mm Th. one SCRPF, 1 facet platform w/no cortex, 35mm L, 21mm W, 8mm Th.
12	14	NW	SE	SE	4130020	655720	4900	RS	D	One light gray Brushy Basin Chert, midsection of a biface knife or preform, lenticular cross section, one face with collateral flaking, 17mm L, 30mm W, 8mm Th. (Illustrated)
13	14	NW	SE	SE	4129930	655630	4900	RT	D	One Desert Varnish covered siltstone SCRPF, w/cortical platform, 41mm L, 48mm W, 17mm Th.
14	14	NW	SE	SE	4129960	655640	4900	RT	D	One tan siltstone w/patination on all surfaces, SCRPF, w/cortical platform, 60mm L, 41mm W, 17mm Th.

-----  
**KEY:** Elev = Elevation in feet      Cult.Affl. = Cultural Affiliation

Context: GS = gentle slope on mesa top    RS = ridge side on mesa top  
RT = ridge top on mesa top            BN = bench on mesa top

Cultural Affiliation:

a = Paleoindian    c = Anasazi            e = Navajo            g = Unknown Historic    i = Mixed  
b = Archaic        d = Unknown Prehistoric    f = Euro-American    h = Unknown            j = Other

All I.L.'s have the following information in Common: Salt Lake P.M.; T.40S, R.24E; 7.5' \_\_\_\_\_ County, \_\_\_\_\_; mixed grassland/scrubland; Navajo Trust Land Status; IL 1 is on map 7.5' Montezuma Creek, Utah 1989; IL 2 - 14 are on map 7.5' Navajo Canyon, Utah 1985. Determination of Cultural Affiliation "D" was based on presence of patina or Desert Varnish on worked surfaces of lithic artifacts; patina would take several hundred years to develop and Desert Varnish would indicate an age probably over 1000 years to back as far as the Altathermal.

Project effects on Cultural Resources: The only cultural resource in the project area is IL 1. The IL will be destroyed by construction, but its research potential has been exhausted by recording; therefore the IL is not eligible for protection under the National Register of Historic Places (N.R.H.P.) or Archaeological Resource Protection Act (A.R.P.A.).

Recommendations: Archaeological clearance is recommended.

Aneth Unit Well No. G214 SE

Legal Description: T.40S, R.24E, Section 14, NE 1/4 NW 1/4 SE 1/4  
 N 1/2 NE 1/4 SE 1/4  
 SE 1/4 SW 1/4 NE 1/4  
 SW 1/4 SE 1/4 NE 1/4

Section 14, 2600' F/SL, 1450' F/EL

U.T.M.: Zone 12, 4130520 N, 655550 E (NE corner of buffer zone)  
 4130390 N, 655650 E (SE corner of buffer zone)  
 4130300 N, 655520 E (SW corner of buffer zone)  
 4130420 N, 655440 E (NW corner of buffer zone)  
 4130260 N, 655270 E (West end of access route)

Salt Lake Principal Meridian, San Juan County, Utah, 4869' Elevation

Agency: Shiprock Chapter: Aneth

Map Source: U.S.G.S. 7.5' Navajo Canyon, Utah 1985 Provisional Edition

Land Jurisdiction: Navajo Nation, Tribal Trust

Project Area: 275' x 275' (well pad)  
 375' x 375' (well pad with construction zone)  
 1200' x 30' (access route)  
 Surveyed Area: 575' x 575' (pad with construction and buffer zones)  
 1200' x 130' (access route with buffer zones)  
 Acres: 11.17

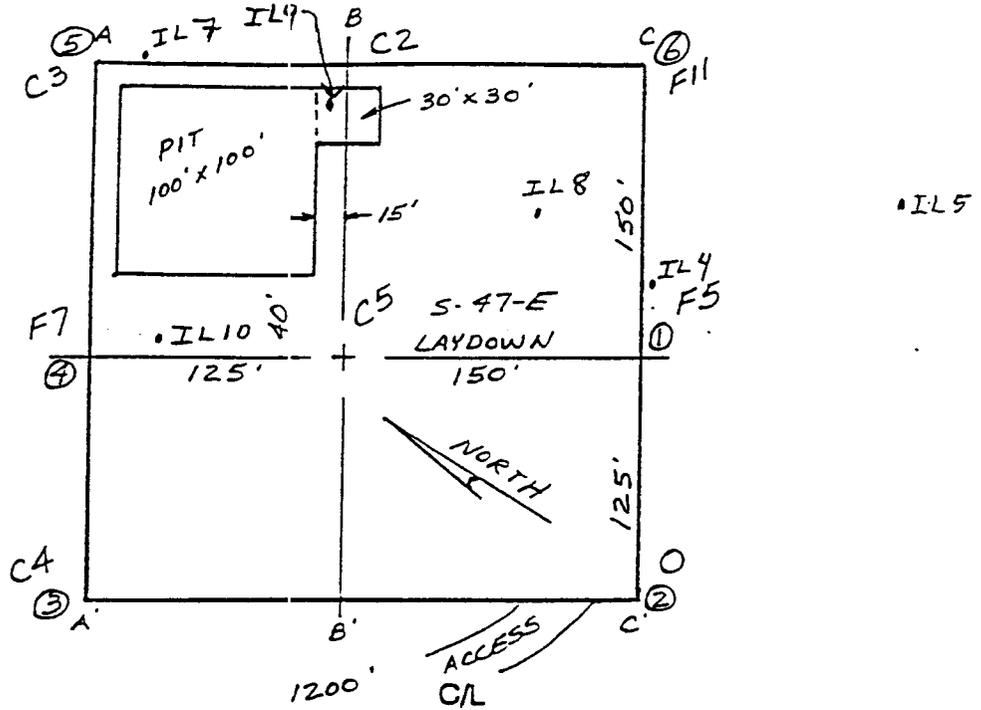
Environment: The proposed well is on a ridge which extends into the west side of an upland draw on the mesa north of Allen Canyon and east of Blueberry Spring (Figure 1). The ridge is formed by a desert varnish blackened siltstone and sandstone outcrop of the Brushy Basin member of the Morrison formation (Haynes, et al 1972). Angular chunks of these materials ranging in size from 1 to 60cm litter the ridge sides, and almost form a pavement in some areas. The soil is a brown sandy-silty loam. A scrubland provides a 5 to 15% cover dominated by shadscale and galleta grass. Other species include annuals and prickly pear cactus. A faint seismic train crosses the east half of the well location from south to north. The weather was cold and partly cloudy during the survey; there was no snow on the ground.

Project Description: This is a proposed oil well and access road (Figure 3). From the east half of the south side of the pad the access road goes southeast about 250 feet, then up onto a higher bench. The access then heads westward along a north-facing ridge side parallel to and below an existing pipeline ROW, to an existing bladed road.

Cultural Resources: No previously recorded archaeological sites are within 0.5 mile of this project area. No sites or traditional cultural properties were found, but nine isolated loci (IL 2-10) were discovered and recorded (Table 1). The isolates are all core reduction flakes of siltstone derived from the outcrop forming this ridge; one flake is of chert which is also locally available. Because of the distances between IL's, it is likely this was a resource area used on random occasions, rather than as a single or multiple intensive use locality.

FIGURE 3

Name:	TEXACO ANETH UNIT # G.214SE		
Footage:	2600' FSL	1450' FEL	
Sec:	14	T. 40 S.	R. 24 E. S4BPM
Co.:	SAN JUAN		St. _____
Elevation:	4869'	Date:	3-6-92



A-A'

4874					
4864	[Profile line with hatched area]				
4854					

B-B' C/L

4874					
4864	[Profile line with hatched area]				
4854					

C-C' C/L

4874					
4864	[Profile line with hatched area]				
4854					

Recording of the isolates has sufficiently exhausted their research potential for the purpose of this project.

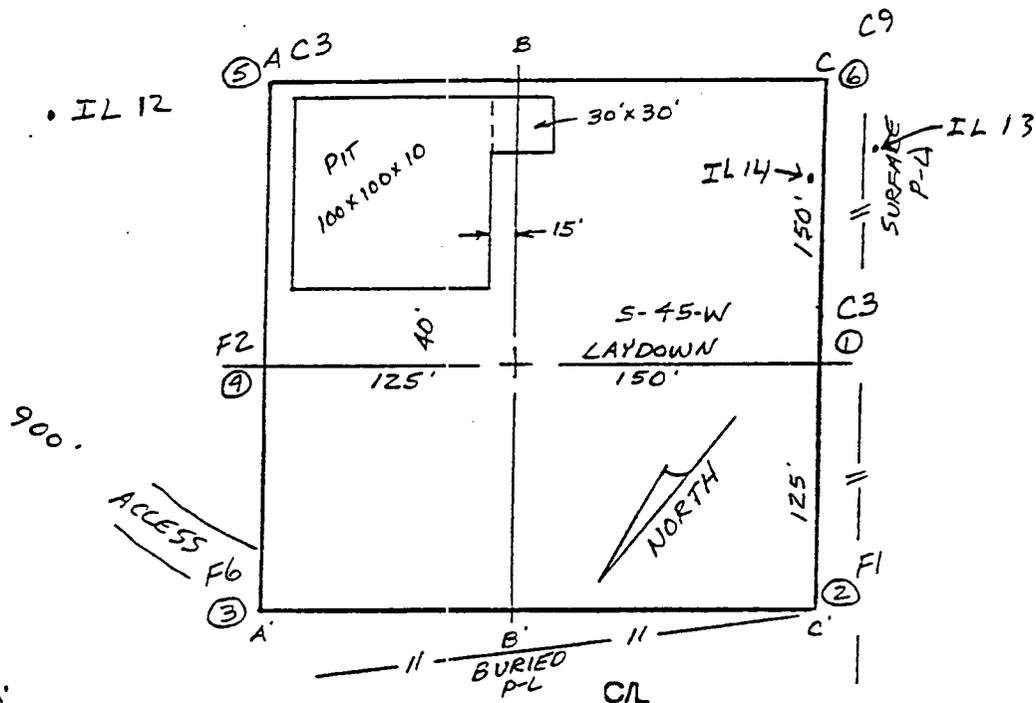
Project effects on Cultural Resources: The only cultural resource in the project area are the nine flakes (IL 2-10). The IL's will be destroyed by construction, but their research potential has been exhausted by recording; therefore the IL's are not eligible for projection under the N.R.H.P. or A.R.P.A.

Recommendations: Archaeological clearance is recommended.



FIGURE 4

Name:	TEXACO ANETH UNIT # E 314 SE		
Footage:	1175' FSL 1100' FEL		
Sec:	14	T. 40	S. R. 24 E. S. 14 PM
Co.:	SAN JUAN		St. UTAH
Elevation:	4882'		Date: 3-6-92



A-A' CL

4892				
4882				
4872				

B-B' CL

4892				
4882				
4872				

C-C' CL

4892				
4882				
4872				

42SA22140. Recording of the isolates has sufficiently exhausted their research potential for the purpose of this project.

Site 42SA22140 (MAR-92-03) was found at the east end of the access road. The road was moved 140 feet north so it would avoid the site by over 20 meters (65 feet) (Figure 6). The site is a lithic quarry located on the edge of a bench, and covering an area about 30 by 20 meters. The quarry is a small outcrop of Brushy Basin Chert. The outcrop itself is about 30 meters long along the bench edge and 5 to 8 meters wide; from here material has washed and rolled for up to 12 meters down the colluvial slope. About 70% of the artifacts are on or within 2 meters of the outcrop, and the rest are on the colluvial slope below the bench edge. The chert is gray to light green-gray with occasional dark gray to black fossil inclusions 1-5mm in size. The material is in a tabular bed and many pieces have tabular cleavage breaks and similar internal flaws. All the material has good conchoidal fracture properties, and given the hidden cleavage flaws, about 40% is usable to make cores and core tools up to 15cm maximum diameter. A shovel test indicates the rock makes up about 70% of the soil matrix to at least 20cm, which was as far as we could easily dig without quarrying the outcrop. Below that level there are more tabular chunks of chert and less soil.

There are about 80 to 150 artifacts present, all made from the quarry material. Based on a 50 item random sample, they are 9% primary core reduction flakes, 29% secondary core reduction flakes, 44% tertiary core reduction flakes, 8% unidirectional trimmed cores, 2% discoidal cores, 4% possible cores, and 3% flake fragments. None of the artifacts are indicative of a particular culture or period. Some artifacts were partly buried up to 7cm into the soil.

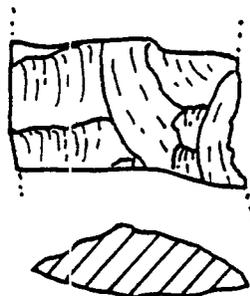
Site 42SA22140 (MAR-92-03) is an intact Brushy Basin Chert quarry with 80 to 150 artifacts on or within 10cm of the surface. The site holds research potential for studies of natural chert deposits across the landscape, chert deposit use patterns, material distribution patterns, and quarry development technology and lithic technology for the culture period(s) it represents. The site may therefore be eligible for nomination to the National Register of Historic Places under criteria d. While the age of the site is not known, it was not mentioned as a use area or traditional cultural property in the informant interview, so it likely pre-dates current Navajo occupation; it may therefore be eligible for protection under A.R.F.A.

Project effects on Cultural Resources: The nine flakes (IL 2-10) will be destroyed by construction, but their research potential has been exhausted by recording; therefore the IL's are not eligible for protection under the N.R.H.P. or A.R.P.A.

Site 42SA22140 has research potential which may make it eligible for nomination to the N.R.H.P. under 36CFR Part 60.4d, and should be treated as such for purposes of protection under Section 106 consultation. Because of the sites integrity, composition, and potential for being over 100 years old, it may be eligible for protection under A.R.P.A. The access was moved in the field to avoid the site by over 20 meters (65 feet), so the project should have no direct effect on the site.

Recommendations: Archaeological clearance is recommended.

FIGURE 5: Illustration of IL 12.



3 centimeters

### SUMMARY OF RECOMMENDATIONS

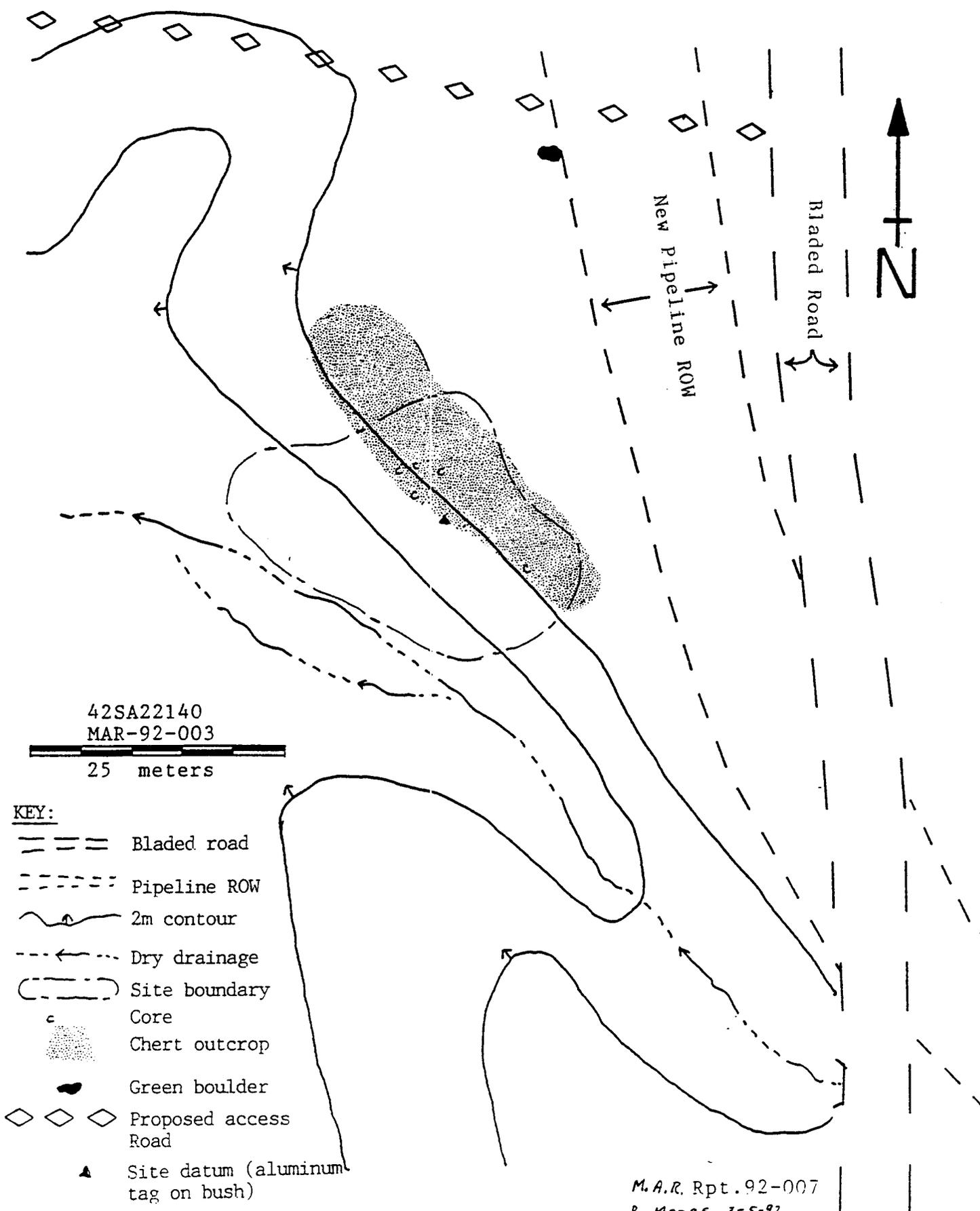
Three well pads and access roads were surveyed. No previously recorded archaeological sites are within 0.5 mile of the project areas and should not be affected by the project. The nearest T.C.P. is over 1000 feet from the project area and should not be affected by the project. One archaeological site and 14 isolated loci were discovered. Recording of the isolates has exhausted their research potential. Site 42SA22140 may be eligible for nomination to the N.R.H.P., but the site has been avoided by over 20 meters (65 feet), so it should not be affected by this project.

Given the above information, archaeological clearance is recommended for all three wells and access roads.

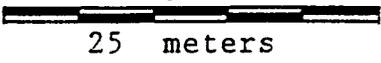
### REFERENCES

- Haynes, D.D., J.D. Vogel, and D.G. Wyant  
 1972 Geology, Structure, and Uranium Deposits of the Cortez Quadrangle, Colorado and Utah. U.S.G.S. Miscellaneous Investigations Series, Map I-629.
- Moore, Roger A.  
 1989 A CRM Manual. M.A.R., Technical Manual No. 1.  
 (DRAFT)

# FIGURE 6



42SA22140  
MAR-92-003



**KEY:**

- == Bladed road
- - - Pipeline ROW
- ~ 2m contour
- - -> Dry drainage
- ( - - - ) Site boundary
- c Core
- Chert outcrop
- Green boulder
- ◇ ◇ ◇ Proposed access Road
- ▲ Site datum (aluminum tag on bush)

M.A.R. Rpt. 92-007  
R. MOORE 3-5-92

OPERATOR Delaco Expl. Prod Co N-5700 DATE 3-15-90

WELL NAME G0145F

SEC N19E14 T 40S R 02E COUNTY San Juan

43-037-31673  
API NUMBER

Indian (w)  
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Included in 90 POD approved 3-18-90 pursuant to BLM water permit - Montezuma Creek Booths Station

APPROVAL LETTER:

SPACING:

R615-3  
~~R615-2-3~~

Aruth Unit  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

CC: BIA



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

March 25, 1992

Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, Texas 79702

Gentlemen:

Re: G214SE Well, 2600 feet from the south line, 1450 feet from the east line, NW 1/4 SE 1/4, Section 14, Township 40 South, Range 24 East, San Juan County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3 (formerly R. 615-2-3), and Utah R. 649-3-4 (formerly R. 615-3-4), approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq. (formerly R. 615-1 et seq.), Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2  
Texaco Exploration and Production Inc.  
G214SE  
March 25, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20 (formerly R. 615-3-20), Gas Flaring or Venting, if the well is completed for production.

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31673.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

ots  
Enclosures  
cc: Bureau of Land Management  
Bureau of Indian Affairs  
J.L. Thompson  
WO11



Texaco Exploration and Production Inc  
Midland Producing Division

P O Box 3109  
Midland TX 79702-3109

May 1, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Application for Permit to Drill

Aneth Unit Well Nos. G214SE, *42.037-31673*

G314SE, & F214SE

Lease No. I-149-IND-8837

Sec. 14, T. 40 S., R. 24 E.

San Juan County, Utah

Bureau of Land Management  
Farmington Resource Area  
1235 Laplata Highway  
Farmington, New Mexico 87401

Attention: Mr. John L. Keller

Gentlemen:

In response to your letter dated March 30, 1992 concerning deficient APD's on the captioned wells, we request the APD's be returned unapproved. Due to a change in our drilling schedule for 1992, these wells will not be drilled this year. When the APD,s for these wells are resubmitted, all deficiencies referenced in your letter will be addressed.

Any questions concerning this request should be directed to Mr. C. W. Howard at (915) 688-4606.

Yours very truly,

C. P. Basham  
Drilling Operations Manager

CWH:

File

cc: State Of Utah  
Department of Natural Resources  
Oil & Gas Division  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

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MAY 05 1992

DIVISION OF  
OIL GAS & MINING



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

May 14, 1992

Texaco Exploration and Production Inc.  
P.O. Box 3109  
Midland, Texas 79702-3109

Gentlemen:

Re: Well No. G214SE, Sec. 14, T. 40S, R. 24E, San Juan County, Utah  
API No. 43-037-31673

In concert with action taken by the U.S. Bureau of Land Management and your request, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley  
Administrative Manager  
Oil and Gas

DME/lhc

cc: R.J. Firth  
Bureau of Land Management - Moab  
Well file

WOI196