

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports of Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1050' FNL, 1230' FWL, Sec. 17, T-27-N, R-11-W, NMPM

5. Lease Number  
NM-02988

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Whitley A #2E

9. API Well No.

30-045-29962

10. Field and Pool

Basin Dakota

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - casing & cement

13. Describe Proposed or Completed Operations

9-20-99 Drill to TD @ 6587'. Circ hole clean. TOOH.

9-21-99 TIH w/sidewall coring tool. Cored well @ 4714', 4795', 4937', 5048',  
5141', 5257', 5357', 5435', 5504', 5608', 5693', 5744', 5934',  
6062', 6156', 6180', 6219', 6254', 6302', 6355', 6355'. TOOH.

9-22-99 TIH, logged well. TOOH.

9-23-99 TIH w/153 jts 4 1/2" 11.6# N-80 LT&C csg, set @ 6585'. Cmdt w/1075 sx Class  
"H" 50/50 poz w/7 pps gilsonite, 0.25 pps flocele (1677 cu ft). Tail w/  
165 sx Class "H" 50/50 poz w/2% gel, 5 pps gilsonite, 0.25 pps flocele,  
0.4% Halad-344, 0.1% HR-5 (216 cu ft). Cap w/130 sx Class "B" neat cmt  
w/3% calcium chloride (153 cu ft). Circ 60 bbl cmt to surface. ND BOP.  
NU WH. RD. Rig released.

14. I hereby certify that the foregoing is true and correct.

Signed Nancy Altman for Title Regulatory Administrator Date 10/5/99

TLW

(This space for Federal or State Office Use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

Date

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

FARMINGTON FIELD OFFICE

## **Ernie Busch**

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**To:** Mike Stogner  
**Subject:** BURLINGTON RESOURCES WHITLEY #2E (NSL)  
**Importance:** High

WHITLEY #2E  
1050' FNL; 1230' FWL  
D-17-27N-11W  
RECOMMEND: APPROVAL

[illegible]

# BURLINGTON RESOURCES

SAN JUAN DIVISION  
November 11, 1996

Sent Federal Express

Mr. William LeMay  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

RECEIVED  
NOV 15 1996

OIL CON. DIV.  
EST. 2

Re: Whitley A #2E  
1050'FNL, 1230'FWL Section 17, T-27-N, R-11-W, San Juan County, New Mexico  
API # 30-045-(not yet assigned)

Dear Mr. LeMay:

Burlington Resources is applying for administrative approval of a non-standard location for the above location in the Dakota formation. This application for the referenced location is due to proximity of Navajo Agricultural Products Industry (NAPI) fields, water and gas pipelines. A map is included showing the NAPI fields.

The following attachments are for your review:

1. Application for Permit to Drill.
2. Completed C-102 at referenced location.
3. Offset operators/owners plat
4. 7.5 minute topographic map showing the orthodox windows, and enlargement of the map to define topographic features.

A copy of this application is being submitted to all offset owners/ operators by certified mail with a request that they furnish you with a Waiver of Objection, and return one copy to this office. In accordance with Rule 1207 A.5, all parties should be advised that if they have an objection, it must be filed in writing within twenty days from this date.

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Representative  
encs.

## WAIVER

\_\_\_\_\_ hereby waives objection to Burlington Resources' application for a non-standard location for their Whitley A #2E as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

xc: Marathon  
Conoco  
Pro Management Inc.  
Texaco

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 NM-02988 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo Surface
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Whitley A 9. Well Number 2E
4. Location of Well 1050' FNL, 1230' FWL Latitude 36° 34.8, Longitude 108° 01.9	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec 17, T-27-N, R-11-W API # 30-045-
14. Distance in Miles from Nearest Town 3.5 miles to Hilltop	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1050'	
16. Acres in Lease	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2200'	
19. Proposed Depth 6700'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6154' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u><i>Nancy Bradfield</i></u> Regulatory/Compliance Administrator	<u>10/29/96</u> Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Archaeological Report submitted by Arboles Contract Archaeology  
Threatened and Endangered Species Report submitted by Ecosphere  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Bravo Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-  
Revised February 21, 1  
Instructions on b  
Submit to Appropriate District Of:  
State Lease - 4 Co  
Fee Lease - 3 Co

☐ AMENDED REPO

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-	71599	Basin Dakota
4 Property Code	5 Property Name	6 Well Number
18639	Whitley A	2E
7 OGRID No.	8 Operator Name	9 Elevation
14538	MERIDIAN OIL INC.	6154'

10 Surface Location

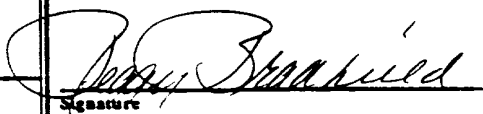
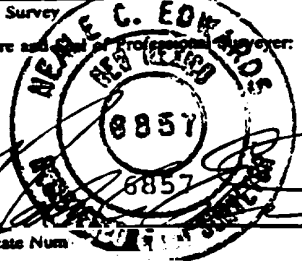
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
D	17	27 N	11 W		1050	North	1230	West	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
7/320			

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

16	5276.04	17 OPERATOR CERTIFICAT
1050'		I hereby certify that the information contained herein is true and complete to the best of my knowledge and be
1230'		
		Signature
		Peggy Bradfield
		Printed Name
		Regulatory Administrator
		Title
		6-17-96
		Date
		18 SURVEYOR CERTIFICAT
		I hereby certify that the well location shown on this pl
		was plotted from field notes of actual surveys made by
		or under my supervision, and that the same is true an
		correct to the best of my belief.
		10-24-95
		Date of Survey
		Signature and Seal of Professional Surveyor:
		
		Certificate Num
5280.00	5274.72	

OPERATIONS PLAN

**Well Name:** Whitley A #2E  
**Location:** 1050' FNL, 1230' FWL Section 17, T-27-N, R-11-W  
 San Juan County, New Mexico  
 Latitude 36° 34.8, Longitude 108° 01.9  
**Formation:** Basin Dakota  
**Elevation:** 6154' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	690'	
Ojo Alamo	690'	836'	aquifer
Kirtland	836'	1644'	
Fruitland	1644'	1896'	gas
Pictured Cliffs	1896'	2742'	gas & oil
Chacra	2742'	3415'	salt water
Cliff House	3415'	3451'	salt water
Menefee	3451'	4408'	salt water & gas
Pt. Lookout	4408'	4624'	salt water
Mancos	4624'	5438'	
Gallup	5437'	6277'	gas & oil
Greenhorn	6277'	6337'	gas & oil
Graneros	6337'	6450'	gas & oil
Dakota	6450'		gas & oil
<b>Total Depth</b>	<b>6700'</b>		

**Logging Program:**

Mud Logs/Coring/DST -  
 Mud logs - 1700' to TD.  
 Coring - none  
 DST - none  
 Electric logs - DIL/SP/GR; Density/Neut/GR; Microlog-GR;

**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-6700'	LSND	8.4-9.0	40-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

**Casing Program:**

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 6700'	4 1/2"	11.6#	N-80

**Tubing Program:**

0' - 6700'      2 3/8"      4.7#      J-55 EUE

**BOP Specifications, Wellhead and Tests:****Surface to TD -**

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

**Completion Operations -**

6" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

**Surface to Total Depth -**

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

**Wellhead -**

8 5/8" x 4 1/2" x 2 3/8" x 3000 psi tree assembly.

**General -**

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

**Cementing:**

8 5/8" surface casing -

Cement to surface w/336 sx Class "B" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (396 cu.ft. of slurry, 200% excess to circulate to surface.) WOC 12 hours prior to drilling out surface casing. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

**Production Casing - 4 1/2"**

First Stage: Cement to circulate to stage tool @ 4700'. Lead w/685 sx 50/50 Premium Class "B" Pozmix w/6% gel, 1/4#/sx cellophane flakes, 5 pps gilsonite, 0.4% dispersant. (911 cu.ft. of slurry, excess 100%). WOC 4 hours prior to pumping second stage.

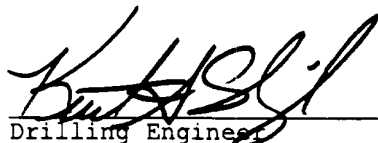
Second Stage: Lead w/707 sx Standard Class "B" w/3% Econolite (extender), 0.5 pps cellophane flakes, and 5 pps gilsonite. Tail w/100 sx Class "B" cement. (2141 cu.ft. of slurry, 100% excess). WOC a minimum of 18 hours prior to cleanout.


Float shoe on bottom. Three centralizers run every other joint above shoe. Thirty-three centralizers - one every 4th joint to the base of the Ojo Alamo @ 836'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 836'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The pipe will be rotated and/or reciprocated, if hole conditions permit.

**Additional Information:**

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The west half of Section 17 is dedicated to this well.
- This gas is dedicated.
- New casing will be utilized.
- Anticipated pore pressure for Pictured Cliffs and Fruitland Coal is 300 psi.
- Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

  
Drilling Engineer

  
Date

# ***BURLINGTON RESOURCES***

## **Whitley A #2E Multi-Point Surface Use Plan**

1. Existing Roads - Refer to Map No. 1. Existing roads used to access the proposed location will be properly maintained for the duration of the project. Bureau of Land Management right-of-way has been applied for as shown on Map No. 1.
2. Planned Access Road - Refer to Map No. 1. None required.
3. Location of Existing Wells - Refer to Map No. 1A.
4. Location of Existing and/or Proposed Facilities if Well is Productive -
  - a. On the Well Pad - Refer to Plat No. 1, anticipated production facilities plat. Threatened and Endangered Survey from Ecosphere for well pad attached.
  - b. Off the Well Pad - pipeline right of way 712.9 feet as shown on attached plat from William Gas Processing. Threatened and Endangered Survey from Ecosphere for pipeline attached.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project and will be obtained from Hilltop Water Well located in SW/4 of Section 26, T-27-N, R-11-W, New Mexico
6. Source of Construction Materials - If construction materials are required for the proposed project, such materials will be obtained from a commercial quarry.
7. Methods of Handling Waste Materials - All garbage and trash materials will be removed from the site for proper disposal. A portable toilet will be provided for human waste and serviced in a proper manner. If liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying waste materials into the watershed. Reserve pits will be lined as needed with either 12 mil bio-degradable plastic liner or a bentonite liner. All earthen pits will be so constructed as to prevent leakage from occurring; no earthen pit will be located on natural drainage. Generation of hazardous waste is not anticipated. Federal regulations will be adhered to regarding handling and disposal of such waste if so generated.
8. Ancillary Facilities - None anticipated.
9. Wellsite Layout - Refer to the location diagram and to the wellsite cut and fill diagram (Figure No. 4). The blow pit will be constructed with a 2'/160' grade to allow positive drainage to the reserve pit and prevent standing liquids in the blow pit.

10. Plans for Restoration of the Surface - After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operations will be performed during the time period set forth by the responsible government agency. The permanent location facilities will be painted as designated by the responsible government agency.
11. Surface Ownership - Navajo Tribe
12. Other Information - Environmental stipulations as outlined by the responsible government agency will be adhered to. Refer to the archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
13. Operator's Representative and Certification - Burlington Resources Oil & Gas Company Regional Drilling Manager, Post Office Box 4289, Farmington, NM 87499, telephone (505) 326-9700. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan, are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Burlington Resources Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Regulatory/Compliance Administrator

10/28/96  
Date

BIA CASE FILE #: N48-96-10  
DATE REVIEWED BY: 5-13-96  
REVIEWED BY: CHARLES JIM  
(FOR BIA USE ONLY)

NAVAJO INDIAN IRRIGATION PROJECT  
304 NORTH AUBURN, SUITE B  
FARMINGTON, NM 87401

Date: 5-21-96

RE: NIIP ARCHEOLOGICAL AND HISTORICAL CLEARANCE UPDATE (Project Description): R/W  
APPLICATION FOR SOUTHLAND ROYALTY CO.

Dear Project Manager:

I hereby request archeological clearance for a project which I believe is located entirely within the boundaries of the Navajo Indian Irrigation Project. This project will consist of (brief description): GAS WELL WITH  
AUXILIARY EQUIPMENT  
: and is designated by the following name and/or number in our company files: SOUTHLAND ROYALTY CO. 1050' NL - 1230' NL  
shown on the attached map(s); 3 copies provided and enclosed.

The project is located in Township 27 N, Range 11 W, Section 17 in the NN 1/4 of the NN 1/4 of the SE 1/4 (describing a 10 acre parcel). Access will be obtained as also shown on the attached map. No more than 1 acres (   hectares) will be used or occupied considering all direct and indirect effects of proposed project activities.

I certify that I am the duly authorized agent of the proposed project sponsor and will take responsibility for the accuracy of the information submitted above. When clearance is received, I will assure that the instructions as indicated below and in any future guidance from you for this project will be followed.

Southland Royalty Co.  
Signature

Archeological clearance for the area described is hereby granted under the terms of the Memorandum of Agreement for Protection of Archeological and Historical resources in the Navajo Indian Irrigation Project consummated by the Advisory Council for Historic Preservation on July 17, 1977.

The area of the currently proposed project was intensively inventoried for archeological and historical resources as documented in (Report # 79-NM-175). These sites (listed by number) were located in the area of this newly proposed project: None

These sites (listed by number) were located within 100 feet (33 meters) of the newly proposed project and special efforts should be taken to avoid inadvertent impacts in these areas: None

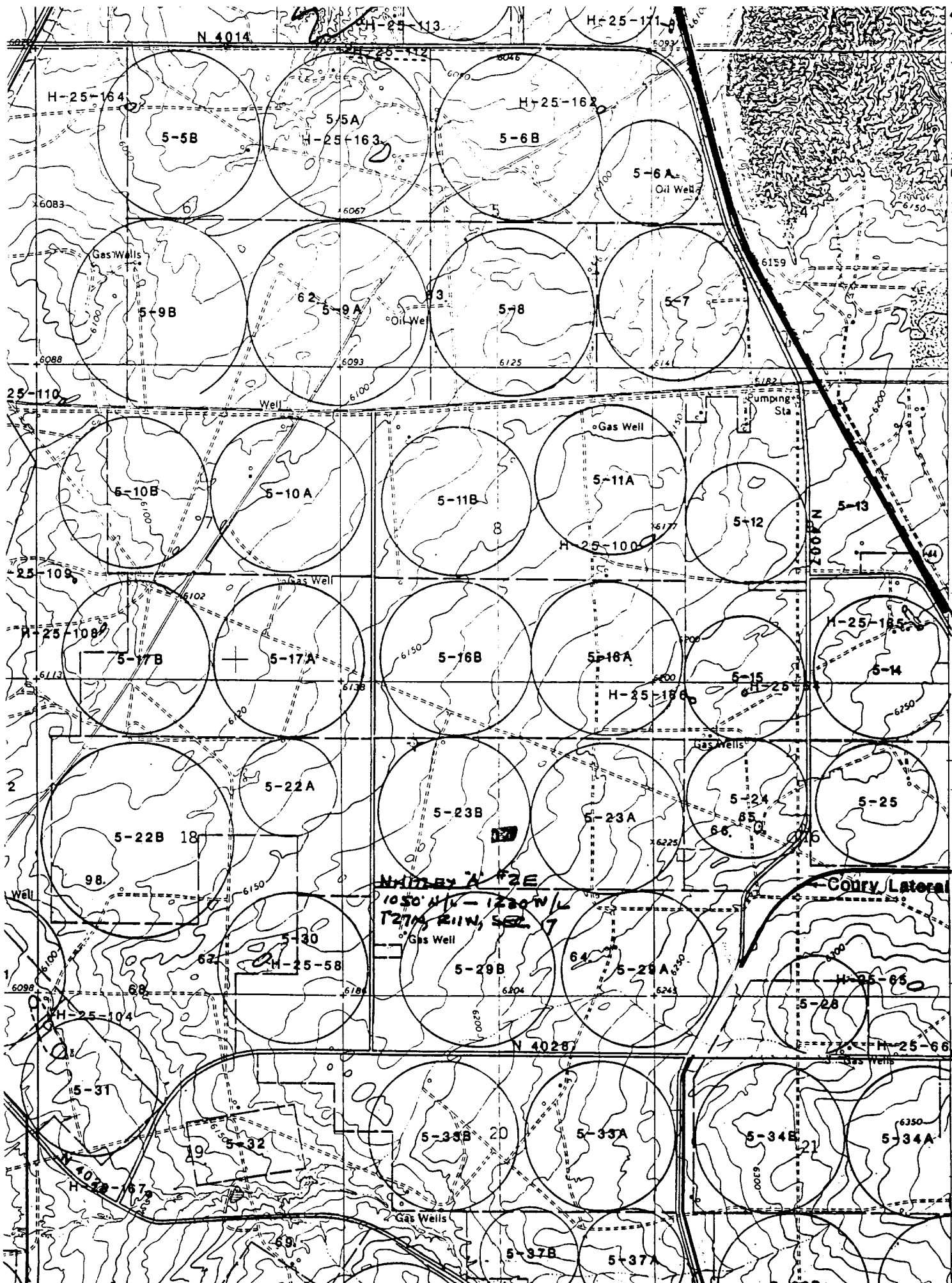
This clearance does not constitute approval of right-of-way, concurrence in the proposed action by the Bureau of Indian Affairs, or approval to proceed with the project. This clearance constitutes one of several mandated requirements which must be completed prior to the granting of rights-of-way, easements, or approval by the BIA for land modifying projects proposed within the Navajo Indian Irrigation Project boundaries.

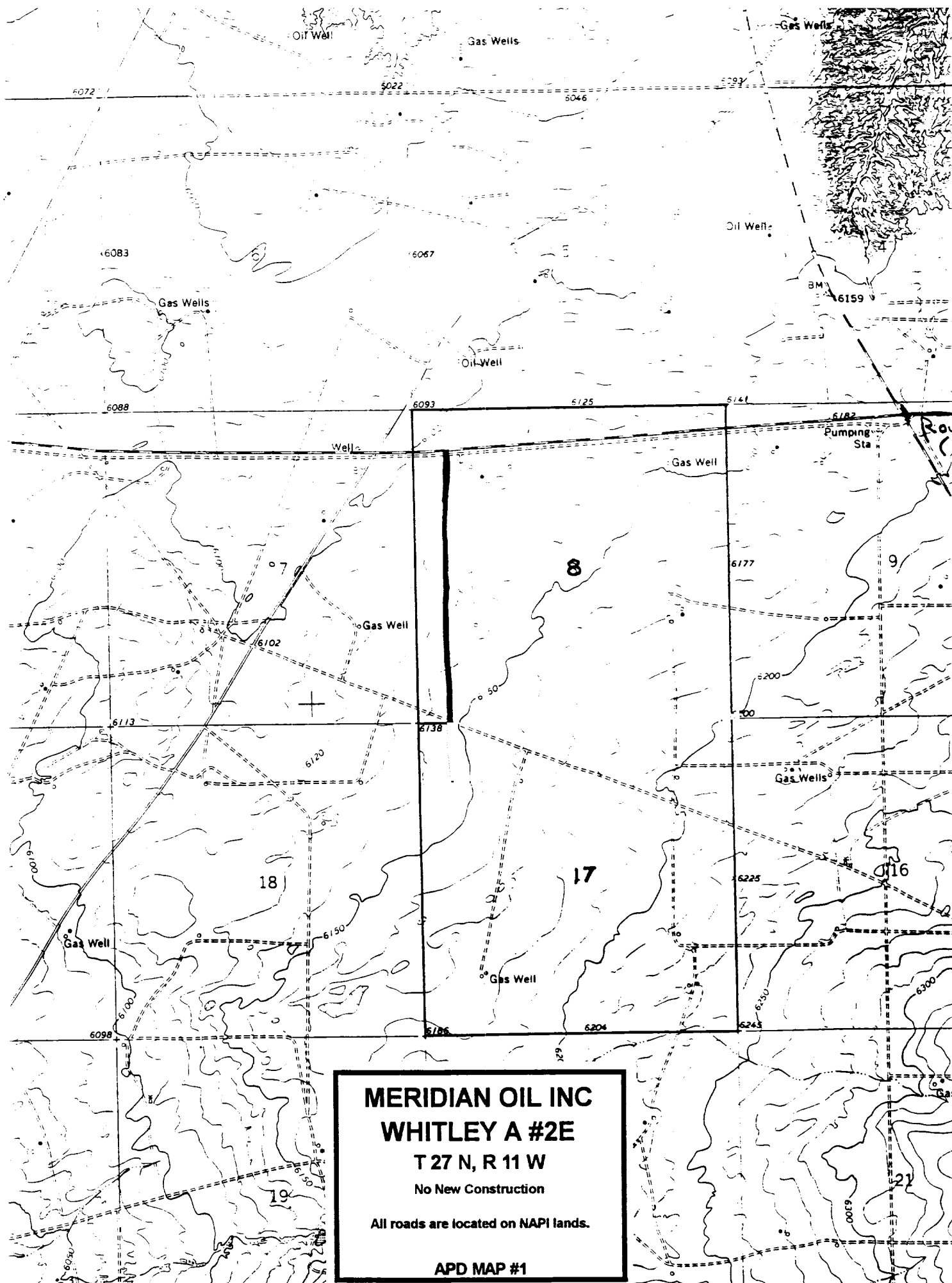
IT IS THE RESPONSIBILITY OF THE PROJECT SPONSOR TO ACQUAINT CONTRACTORS AND SUB-CONTRACTORS WITH THE BOUNDARIES FOR WHICH THIS CLEARANCE IS GRANTED.

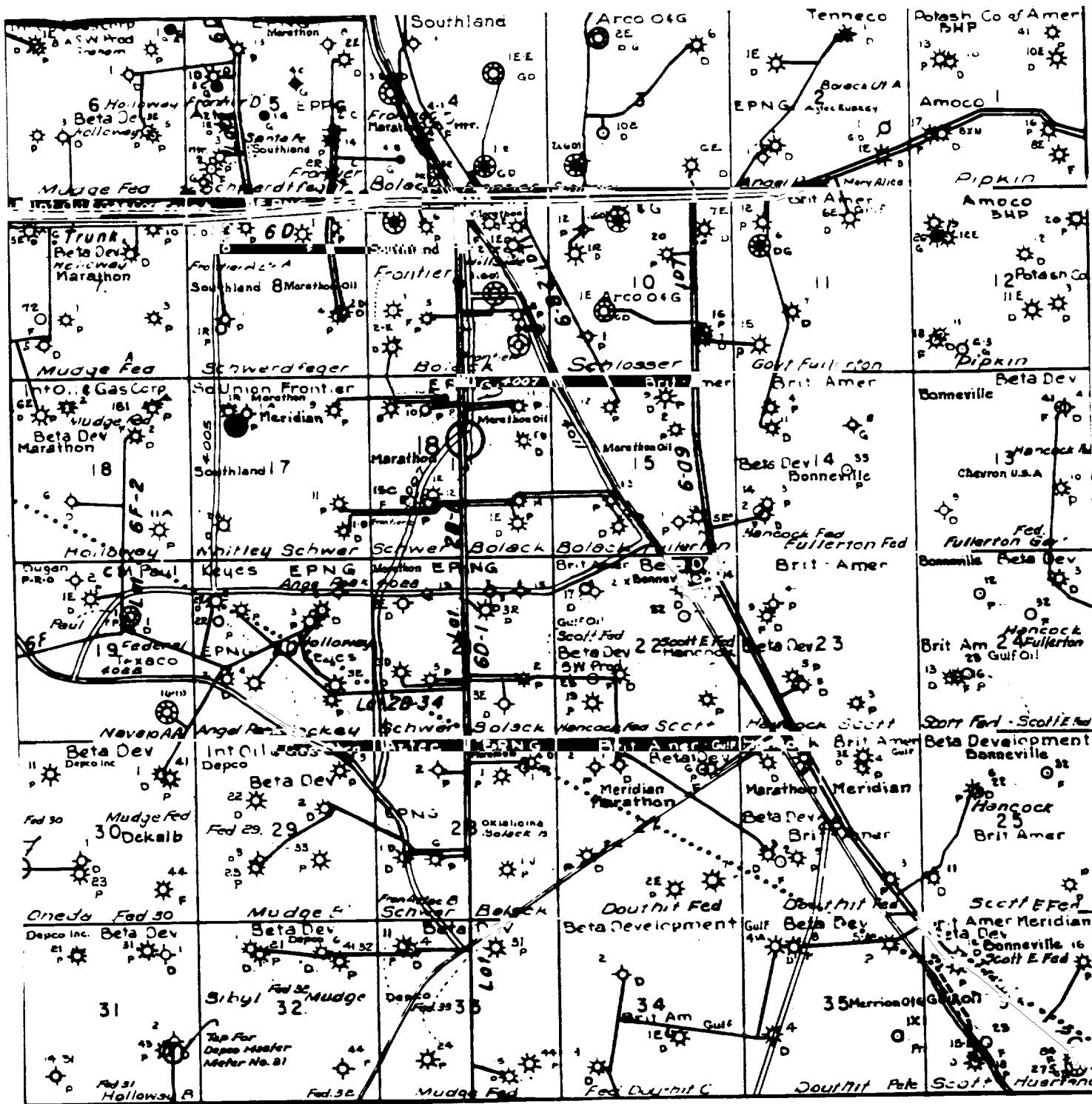
Discovery Clause (36 CFR Part 800.7) Should any archeological or historical resources be discovered during project operations, all work must cease in the immediate area of the exposed resource. The Navajo Tribal Archeologist and the BIA Navajo Area Archeologist shall be notified to arrange an on-site inspection for the purpose of determining the significance and disposition of the remains. Such discoveries may be subject to the provisions and prohibitions of the Archeological Resources Protection Act (P.L. 93-95, Title 43 CFR, Part 7).

THE PROJECT SPONSOR IS RESPONSIBLE FOR ADVISING CONTRACTORS AND SUB-CONTRACTS OF THIS REQUIREMENT AND ASSURING HIS COMPLIANCE.

Calif 5-21-96  
NIIP Project Date







MERIDIAN OIL INC.

Pipeline Map

T-27-N, R-11-W

San Juan County, New Mexico

Whitley A #2E

MAP #1A

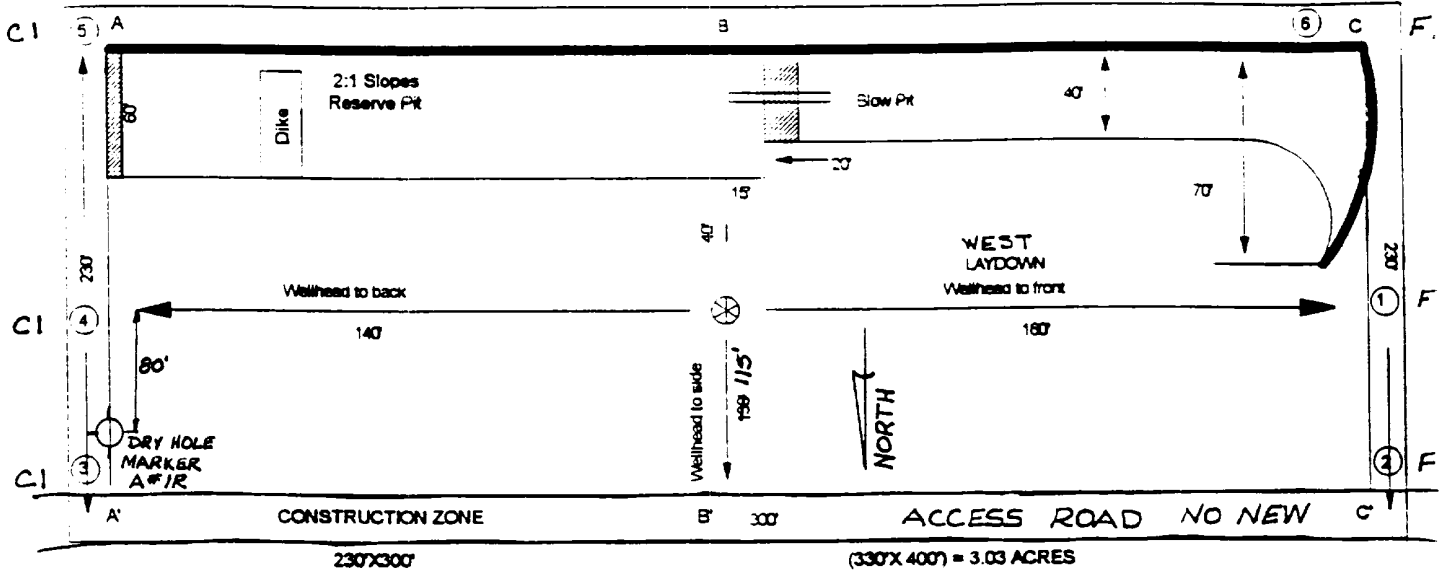
3/91 adw/mjb

# WATERLIFT

PLAT #1

PC/FC LOW POTENTIAL

NAME:	Whitley A #2E		
FOOTAGE:	1050 FNL	1230 FWL	
SEC	17	TWN	27 N.R. 11 W NMPM
CO:	San Juan	ST:	New Mexico
ELEVATION:	6154'	DATE:	10-24-95

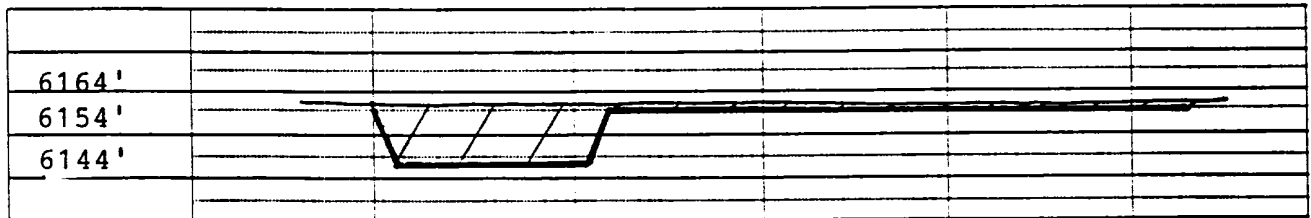


Reserve Pit Dike : to be 6" above Deep side: ( overflow - 3' wide and 1' above shallow side.)

Blow Pit : overflow pipe halfway between top and bottom and extend over plastic liner and into blow pit.

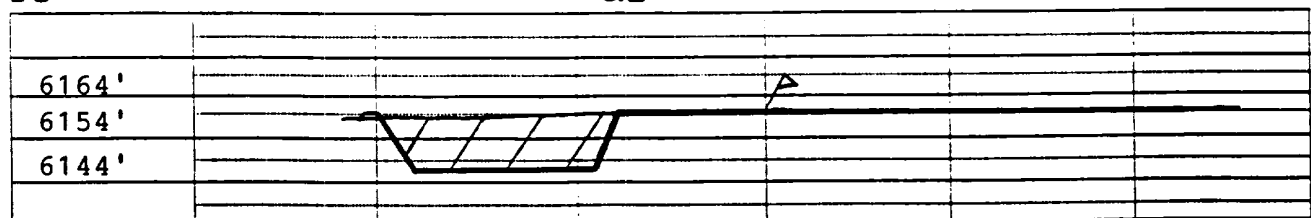
A-A'

C/L



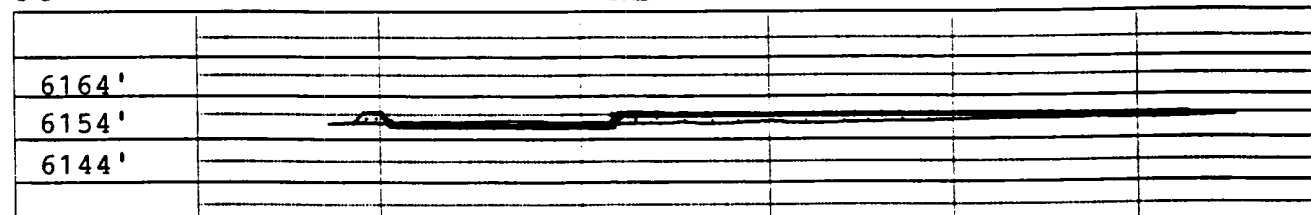
B-B'

C/L



C-C'

C/L



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least 2 working days prior to construction.

**BURLINGTON RESOURCES OIL AND GAS COMPANY**

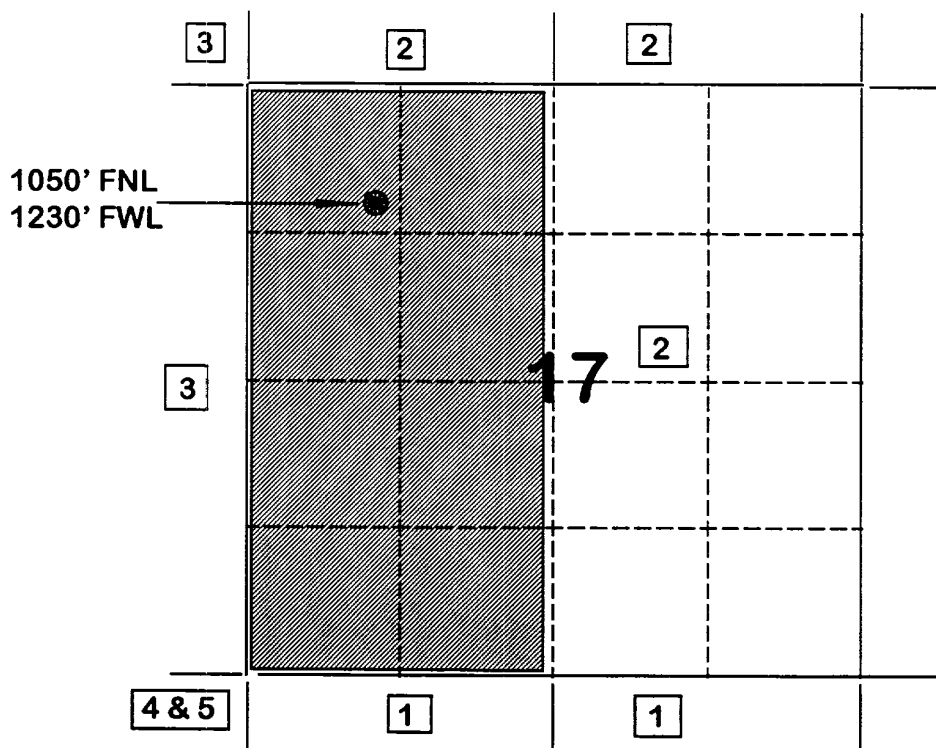
**Whitley A #2E**

**OFFSET OPERATOR \ OWNER PLAT**

**Nonstandard Location**

**Dakota Formation Well**

**Township 27 North, Range 11 West**



1) Burlington Resources Oil and Gas Company Successor to Meridian Oil Inc.

2) Marathon Oil Company  
P.O. Box 552  
Midland, TX 79702

3) Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

4) Pro Management Inc.  
LB 158 Glen Lakes Tower #1313  
9400 North Central Expwy  
Dallas, TX 75231

5) Texaco Exploration & Production Inc.  
P.O. Box 2100  
Denver, CO 80201

Pro Management Inc.  
c/o Engineering & Production Service Inc.  
P.O. Box 190  
Farmington, NM 87499

Re: Whitley A #2E  
1050'FNL, 1230'FWL Section 17, T-27-N, R-11-W, San Juan County, New Mexico  
API # 30-045-(not yet assigned)

I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location to drill the referenced well.

Marathon Oil Company  
PO Box 552  
Midland, TX 79702

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

Pro Management Inc.  
c/o Engineering & Production Service Inc.  
PO Box 190  
Farmington, NM 87499

Texaco Exploration & Production  
PO Box 2100  
Denver, CO 80201



Peggy Bradfield  
Regulatory/Compliance Administrator

