PHILLIPS PETROLEUM COMPANY
FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

August 3, 1992

Mr. William J. LeMay
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Unorthodox Well Location
Dakota Formation
~~388' FNL & 1794' FEL~~
Section 34, T31N, R6W
Rio Arriba Co., New Mexico
GF-5469

Dear Mr. LeMay:

Phillips Petroleum Company hereby requests administrative approval for an unorthodox well location for its San Juan Unit 31-6 #33E.

This request for exception is based upon the New Mexico Game & Fish Department's request that the location be moved due to wildlife considerations. Surface ownership is vested in this agency. A vicinity map, area map, land map and C-102 are enclosed herewith. As indicated, the N/2 Section 34, T31N, R6W will be dedicated to this well.

By certified mail we have notified the offset operator and requested that a waiver be provided.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

W Frank Hulse, III

W. Frank Hulse, III
Land Specialist, CPL
San Juan Basin
(505) 599-3458

_____ hereby waives objection to Phillips Petroleum Company's application for an unorthodox location for the San Juan Unit 31-6 #33E as proposed above.

By:_____ Date:_____

cc: Richard Allred (r) Gail Bearden
Northwest Pipeline Company
Operator, Rosa Unit (Dakota)

ATTACHMENTS
(As Requested)
SAN JUAN 31-6 UNIT, WELL NO. 33E

I. See APD package.

II. See APD package.

III. See C-102 and attached copy of topographic map.
A. Information on topographic map.
B. I hereby certify the information is current and correct to the best of my knowledge and ability.
Signed: Richard Allred
Name: Richard Allred
Date: August 4, 1992

IV. Copy of a portion of the Gomez Ranch Quadrangle topographical map.
A. Shown on map.
B. Shown on map.
C. None

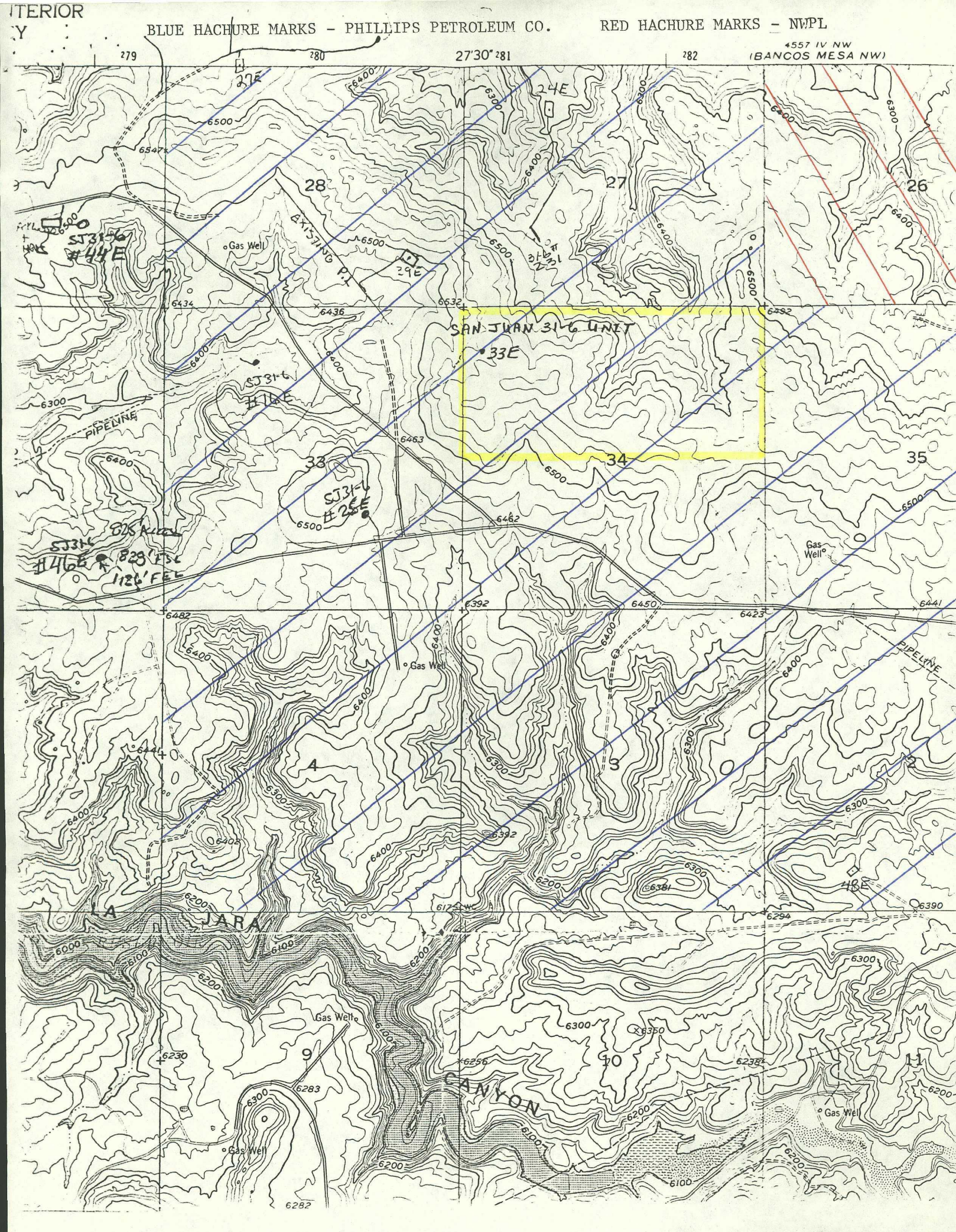
V. Enlargement of the topographic map provided.
A. See Map
B. None
C. See Map
D. None
E. None

VI. See Archaeological Report

VII. See Archaeological Report

VIII. The additional expense required to drill a deviated hole to reach a standard location in an area of unknown coal gas development would make the well uneconomical to drill.

IX. Northwest Pipeline Co. operates the production unit to the NE. Phillips Petroleum Company is designated operator of the remaining offset proration units. Northwest has been notified, by certified mail of our request, and has been asked for a waiver of objections.


ITERIOR
Y
BLUE HACHURE MARKS - PHILLIPS PETROLEUM CO.
RED HACHURE MARKS - NWPL
4557 IV NW
(BANCOS MESA NW)
279
280
27'30"
281
282
SAN JUAN 31-6 UNIT
33E
SJ31-6 #44E
SJ31-6 #18E
SJ31-6 #25E
SJ31-6 #46E
824' FSL
1126' FEL
24E
29E
18E
Gas Well
PIPELINE
EXISTING P.L.
JARA CANYON
28
27
26
34
35
33
4
3
2
9
10
11

CHURE MARKS - PHILLIPS PETROLEUM CO.   RED HACHURE MARKS - NWPL

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: SF-078999

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation: San Juan 31-6 Unit

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: 33E

2. Name of Operator: Phillips Petroleum Company

9. API Well No.:

3. Address and Telephone No.: 5525 Hwy 64 NBU 3004, Farmington, NM 87401

10. Field and Pool, or Exploratory Area: Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit D, 1264' FNL & 330' FWL
Sec. 34, T31N, R6W

11. County or Parish, State: Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Move location	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was moved from Unit D, 1174' FNL & 1138' FWL to Unit D, 1264' FNL & 330' FWL.

Dept. of Game & Fish Because of WL Habitat
Bob Culp

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

Signed L. E. Robinson (L. E. Robinson) Title Sr. Drlg. & Prod. Engr. Date 10-22-91

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions 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.

*See Instruction on Reverse Side

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
PHILLIPS PETROLEUM	SAN JUAN 31-6 UNIT	33E

Unit Letter	Section	Township	Range	County
D	34	T.31 N.	R.6 W. NMPM	RIO ARRIBA COUNTY

Actual Footage Location of Well:
1264 feet from the NORTH line and 330 feet from the WEST line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
6580	DAKOTA	BASIN DAKOTA	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

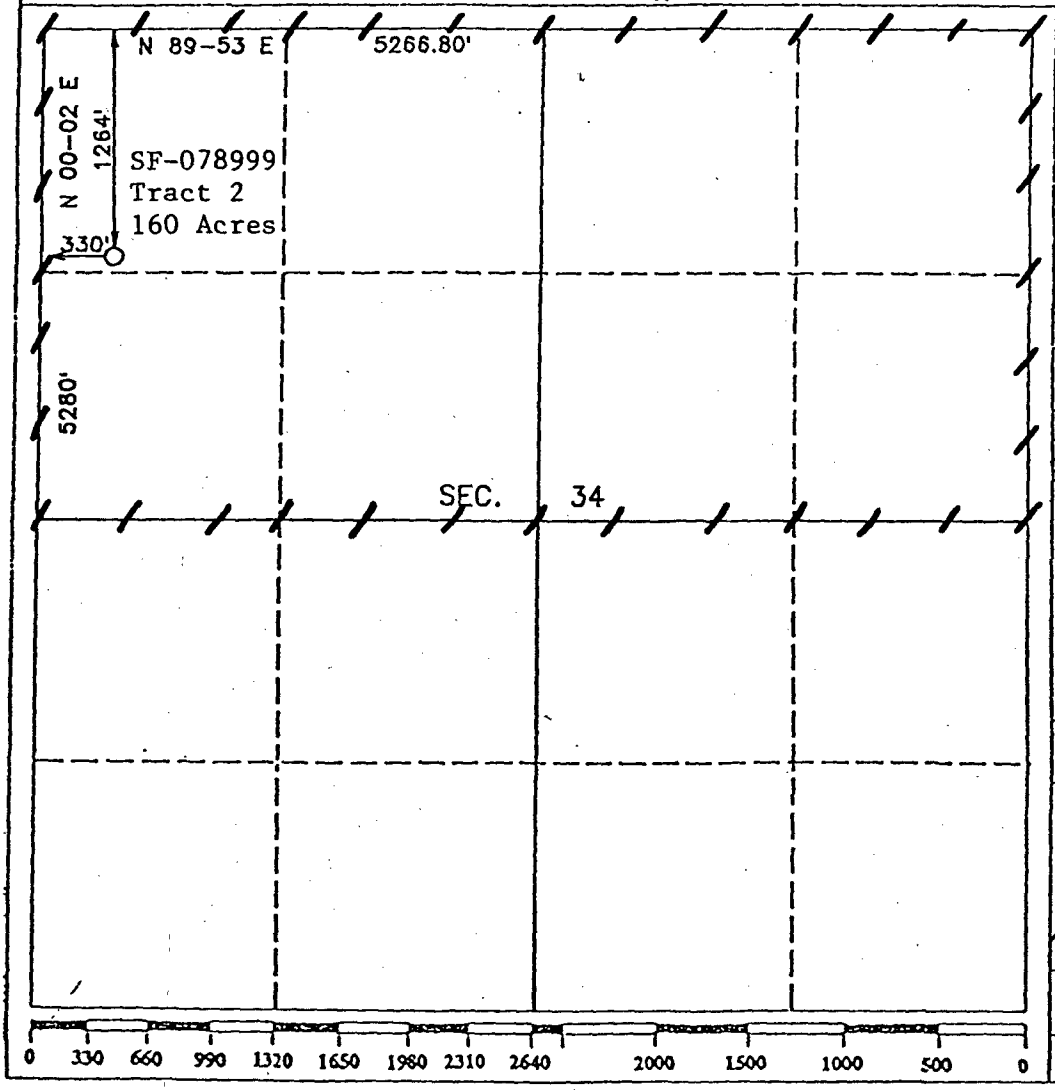
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.?

[X] Yes [ ] No If answer is "yes" type of consolidation Unitization

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: L. E. Robinson

Printed Name: L. E. Robinson

Position: Sr. Drlg. & Prod. Engr.

Company: Phillips Petroleum Co.

Date: October 17, 1991

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: SEPTEMBER 23, 1991

Signature & Seal of Professional Surveyor: R. HOWARD DAGGETT

NEW MEXICO 9679 REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. 9679

Registered Professional Land Surveyor

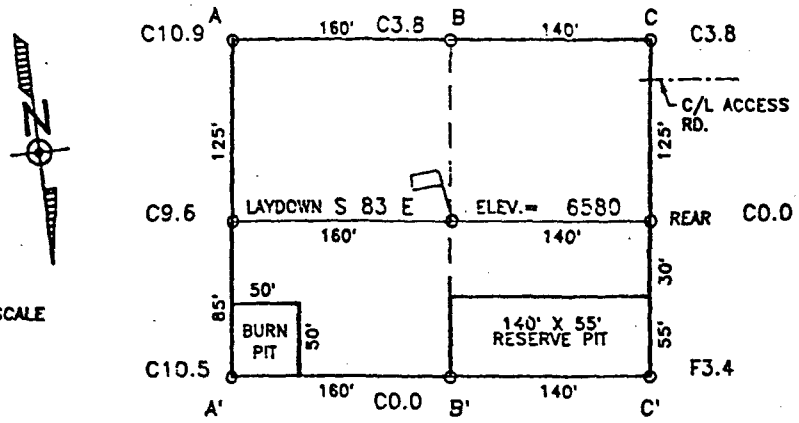
COMPANY: PHILLIPS PETROLEUM

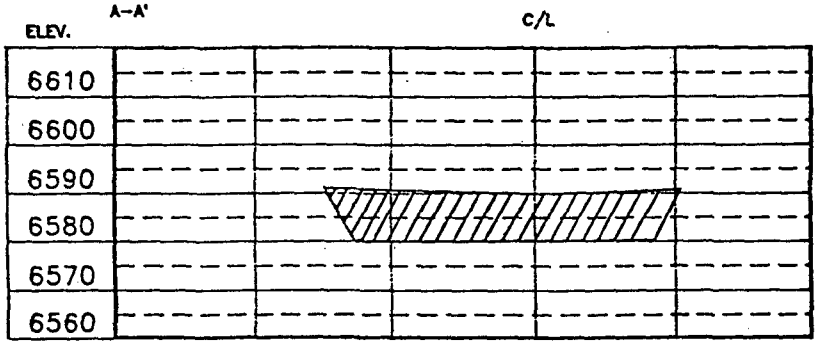
LEASE: SAN JUAN 31-6 UNIT NO.33E

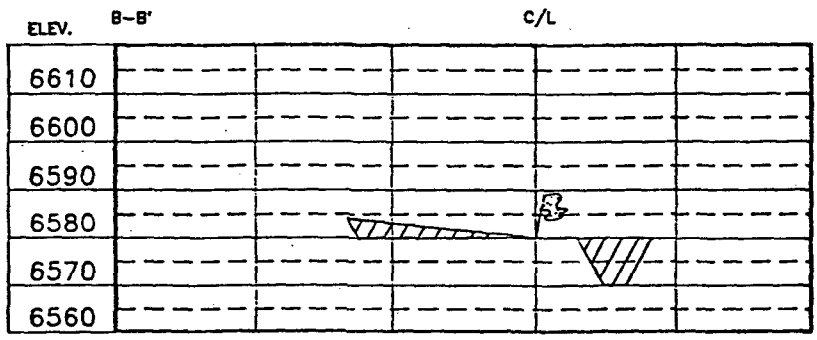
FOOTAGE: 1264 FNL, 330 FWL

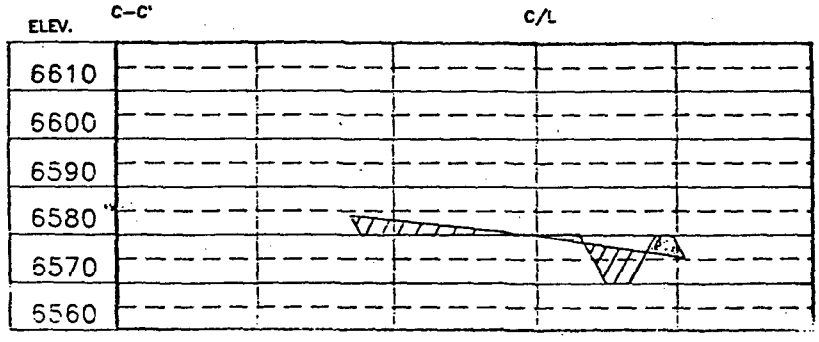
SEC.: 34 TWN: T.31 N. RNG: R.6 W. NMPM

ELEVATION: 6580










1557 IV NW
(BANCOS MESA NW)
27'30"
25'
R. 6 W.
R. 5 W
27
26
25
#33E
34
35
36
BM 6561 Δ Jinny
PIPELINE
3
2
1
BM 6421
10
11
12
CANYON
La Fragua

PHILLIPS PETROLEUM COMPANY

Preliminary 9/16/91

Well Name: San Juan 31-6 Unit Well No. 33E

DRILLING PROGNOSIS

1. Location of Proposed Well: 1264' FNL & 330' FWL, Section 34, T-31-N, R-6-W, Rio Arriba County

2. Unprepared Ground Elevation: 6580'.

3. The geologic name of the surface formation is San Jose.

4. Type of drilling tools will be rotary.

5. Proposed drilling depth is 8282'.

6. The estimated tops of important geologic markers are as follows:

Ojo Alamo -	2630'	Cliff House -	5555'
Fruitland -	3225'	Pt. Lookout - -	5861'
Pictured Cliffs -	3455'	Greenhorn -	7852'
Lewis -	3972'	Dakota -	8032'

7. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Water: Ojo Alamo - 2630'-2772'
Gas & Wtr: Fruitland - 3225'-3455'
Gas: Mesaverde - 5555'-6157'

8. The proposed casing program is as follows:

Surface String 9-5/8",36#, J-55 @ 400'
Intermediate String 7", 23#, J-55 @ 4047'
Liner 4-1/2", 11.6#, N-80 @ 8282'

9. Cement Program:
   Surface String = 220 sx CL "B" cement w/2% CaCl2 & 1/4#/sk Cello-Seal; 15.6 ppg @ 1.17 ft3/sx yield; or quantity sufficient to circulate cement to surface.

   Intermediate String = Lead cmt: 400 sx 65/35 (Cl "B":Fly Ash) w/6% Bentonite, 2% CaCl2 & 1/4#/sk Cello-Seal; 12.3 ppg @ 1.93 ft3/sx yield; or quantity sufficient to circulate cement to surface.
   Tail: 100 sx CL "B" Neat Cement; 15.6 ppg @ 1.17 ft3/sx yield; or quantity sufficient to circulate cement to surface.

Centralizer Program:
Surface: Centralizer at 10' above shoe. Top of 2nd, 4th and 6th joint.

Intermediate: Centralizer at 10' above shoe. Top of 2nd Jt., Top of 4th Jt. Top of 6th Jt., Top of 8th Jt.

Turbulator at 1 Jt. below Ojo Alamo
Turbulator at top of next joint.
Turbulator at top of next joint.

Liner:

1st Stage: Lead = 370 Sx 50/50 (CL "B":Fly Ash) w/2% Bentonite & 0.9% Fluid Loss Additive; 13.3 ppg @ 1.36 ft3/sx yield.
Tail = 100 Sx CL "H" w/3% CF-2 & 0.50% CF-14 & 3% KCl; 15.6 ppg @ 1.18 ft3/sx yield.

2nd Stage: Lead = 250 Sx 65/35 (CL "B":Fly Ash) w/6% Bentonite & 1/4#/sk Cello-Seal; 12.5 ppg @ 1.84 ft3/sx yield.
Tail = 100 Sx CL "B" Neat Cement; 15.6 ppg @ 1.17 ft3/sx yield.

Set stage tool at approximately 4400'; Circulate cement to surface.

10. The minimum specifications for pressure control equipment which are to be used, a schematic diagram thereof showing sizes, pressure ratings (or) API series and the testing procedure and testing frequency are enclosed within the APD packet .

11. Drilling Mud Prognosis: Surface to Bottom of 8-3/4" Hole
Low solids, non-dispersed, 9.0 ppg+, fresh water base mud.
6-1/4" Hole Section
Air or Gas Drilled

12. The testing, logging, and coring programs are as follows:
D.S.T.'s or cores: None
Logs: DIL, GR-D-N, Temp.

Special Tests: None

13. Anticipate no abnormal pressures or temperatures to be encountered or any other potential hazards such as Hydrogen Sulfide Gas. Low risk H_2S equipment will be used.

14. The anticipated starting date is immediately upon approval with duration of operations for approximately 30 days thereafter.

sj31633E.jgb

SURFACE USE PLAN

Phillips Petroleum Company , San Juan 31-6 Unit , Well No. 33E , NW/4 NW/4, Section 34, T-31-N, R-6-W, Rio Arriba County, New Mexico. (State Lease No. SF-078999.)
This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 25 miles east from Blanco, New Mexico. The following is a discussion of pertinent information concerning the possible effect which the proposed drilling well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads:

   A. To reach the proposed location, start from Farmington, N.M. take N.M. 64 approximately 49 miles to Gobernador. Turn left on Hwy 527 (Sims Mesa Road to approximately the 7.8 mile marker. (La Jara Station Road). Follow road approx. 6 mi. & cross La Jara Wash. Go left at Y. Follow road 2.5 mi. Turn right thru 2nd cattleguard on right. Go 1/2 mile to intersection. Turn left at approx. .2 miles. Turn back right immediately. Follow road 1/2 mile to location.

2. Planned Access Roads:

   A. The access road is shown on the attached map. All existing roads used to access the proposed location shall be maintained in the same or better condition than presently found. The access road is to be classified "Temporary Resource Road."
   B. Turnouts: None.
   C. Culverts, Cuts and Fills: Culverts on access @ pad. See Cut & Fill Sketch.
   D. Surfacing Material: Natural materials at well site.
   E. Gates, Cattle Guards, Fences: Wing Fence & Gate access @ beginning of two-track.
   F. Drainage Design: After completion of Well #33E, a diversion will be placed below the cut on the South side with drainage to the West and a diversion on the East side draining North. Will have 3:1 cut & fill slopes. Will line pits. Round off working side corners.
   G. Proposed Access Road: Approximately .7 mile of new access is needed.

3. Locations of Existing Wells: N/A

4. Locations of Tank Batteries, Production Facilities, Production Gathering, and Service Lines: In the event of production, production facilities will be located on the drill pad. The actual placement of this equipment will be determined when the well's production characteristics can be evaluated after completion. To protect livestock and wildlife, the reserve pit will be fenced with wire mesh. The condensate tanks will be enclosed by a dike. Upon completion of drilling, the location and surrounding area will be cleared of debris.

   The flow-line from Well No. 33E is to follow existing 2 track to a point south of location then 1/4 mile north to proposed location approximately .7 mile. A diagram of the production facilities will be submitted after final placement.

5. Water Supply Source: Will be provided by the drilling contractor and trucked to the drilling site. See Attachment No. 1 - WATER SUPPLY SOURCE.

6. Source of Construction Materials:

No additional construction materials will be required to build the proposed location. The dirt from the pit will be back-sloped and saved for use when the pit is rehabilitated.

7. Methods for Handling Waste Disposal:

A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced with wire mesh on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be back filled, leveled and contoured so as to prevent any materials being carried into the watershed.. Upon completion, the pad will be leveled, contoured, and re-seeded with the appropriate seed mixture.

B. All garbage and trash will be placed in specially constructed wire mesh containers. Upon cleanup, the refuse in the containers will be hauled to an approved landfill site.

All produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted for appropriate approval.

8. Ancillary Facilities: None

9. Well Site Layout: Attached sketch shows the relative location and dimensions of the well pad, mud pit, reserve pit, and trash pit. Location will be 230' X 300'.

10. Plans for Restoration of Surface:

Pit will be back filled and levelled as soon as practical to original condition. If well is productive, drilling pad will remain as well service pad. If dry hole, the pad will be ripped per regulations. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 60 days from commencement. Pit dirt will be saved to be used during restoration of the pit area.

11. Other Information:

A. Terrain: See Archaeological Survey
B. Soil: See Archaeological Survey
C. Vegetation: See Archaeological Survey
D. Surface Use: See Archaeological Survey

E. Ponds and Streams: See Archaeological Survey
F. Water Wells: No water wells are located in Section 34
G. Residences and Buildings: There are no occupied residences or buildings within one quarter of a mile of the proposed well location.
H. Arroyos, Canyons, etc.: See Archaeological Survey
I. Well Sign: Sign identifying and locating the well will be maintained at drill site with the spudding of the well.
J. Archaeological Resources: See Archaeological Survey. No cultural resources encountered. No archaeological protection necessary.

12. Operator's Representatives: Field personnel who can be contacted concerning compliance of the "Surface Use Plan" is as follows:

Production and Drilling
R. G. Flesher
5525 Hwy 64 NBU 3004
Farmington, New Mexico 87401
Phone: 505-599-3401

or

R. A. Allred
5525 Hwy 64 NBU 3004
Farmington, New Mexico 87401
Phone: 505-599-3403

13. Surface Ownership: The surface ownership NM State Game & Fish

14. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the 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 Phillips Petroleum Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

L. E. Robinson
Typed or Printed Name

L. E. Robinson
Signature.

October 22, 1991
Date

su31633E.jgb

Form 3160-3
(November 1983)
(formerly 9-331C)

(Other instructions on reverse side)

Budget Bureau No. 1004-013
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SF-078999

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: San Juan 31-6 Unit

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: Phillips Petroleum Company

9. WELL NO.: 33E

3. ADDRESS OF OPERATOR: 5525 Hwy 64 NBU 3004, Farmington, NM 87401

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: Unit D, 1174' FNL & 1138' FWL
At proposed prod. zone: Same as above

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 34, T-31-N, R- 6-

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 25 Miles East From Blanco

12. COUNTY OR PARISH: Rio Arriba

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
	2560 Acres	320 Acres
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	8285'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6583' (GL Unprepared)

22. APPROX. DATE WORK WILL START*: Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, J-55	400'	220 Sx, Circ to Surface
8-3/4"	7"	23#, J-55	4050'	500 Sx, Circ to Surface
6-1/4"	4-1/2"	11.6#, N-80	8285'	470 Sx, First Stage 350 Sx, Second Stage, Circ to

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 L. E. Robinson TITLE Sr. Drlg. & Prod. Engr. DATE 9-5-91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
PHILLIPS PETROLEUM	SAN JUAN 31-6 UNIT	33E

Unit Letter	Section	Township	Range	County
D	34	T.31 N.	R.6 W. NMPM	RIO ARRIBA COUNTY

Actual Footage Location of Well: 1174 feet from the NORTH line and 1138 feet from the WEST line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
6583	DAKOTA	BASIN DAKOTA	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

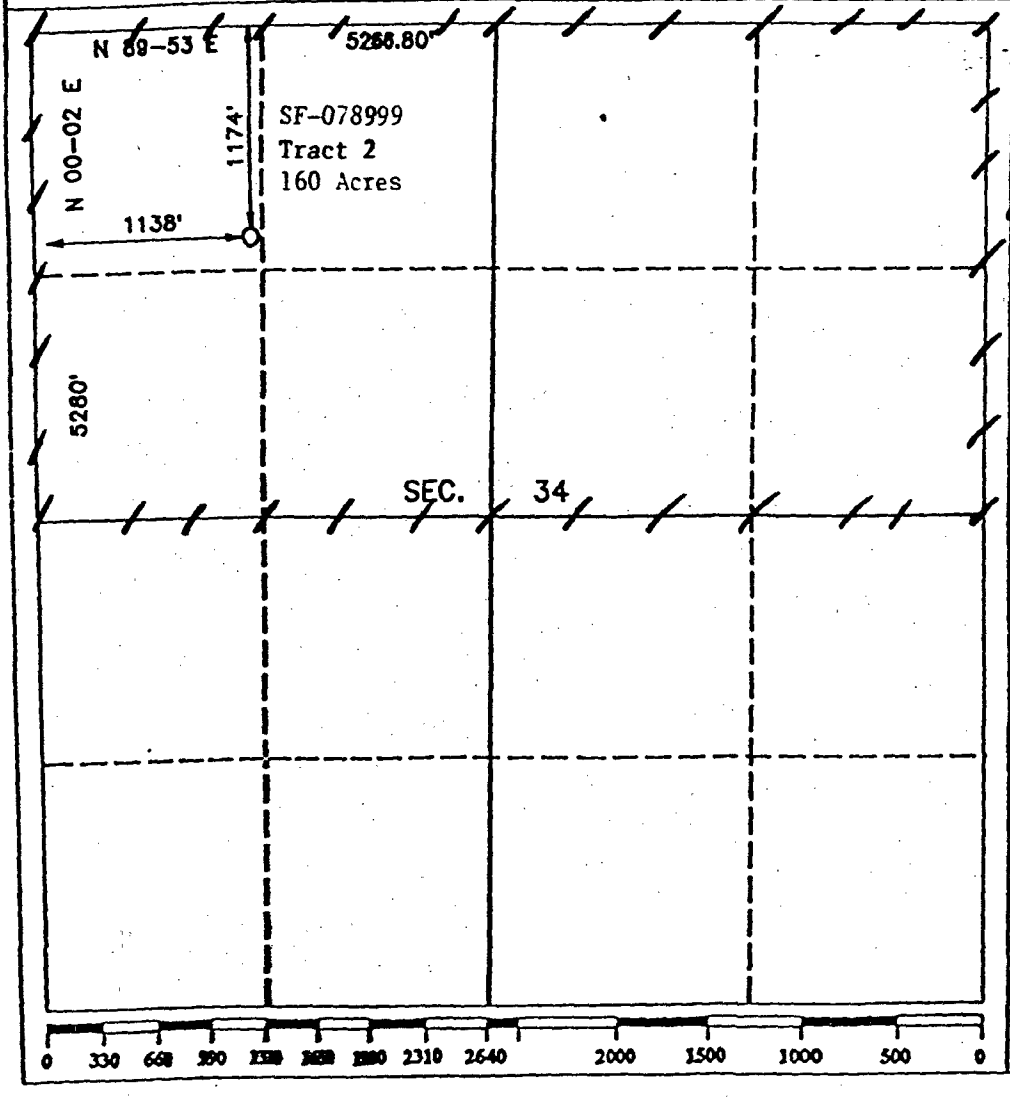
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.?

[X] Yes [ ] No If answer is "yes" type of consolidation Unitization

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 in true and complete to the best of my knowledge and belief.

Signature: L. E. Robinson

Printed Name: L. E. Robinson

Position: Sr. Drlg. & Prod. Engr.

Company: Phillips Petroleum Co.

Date: September 5, 1991

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

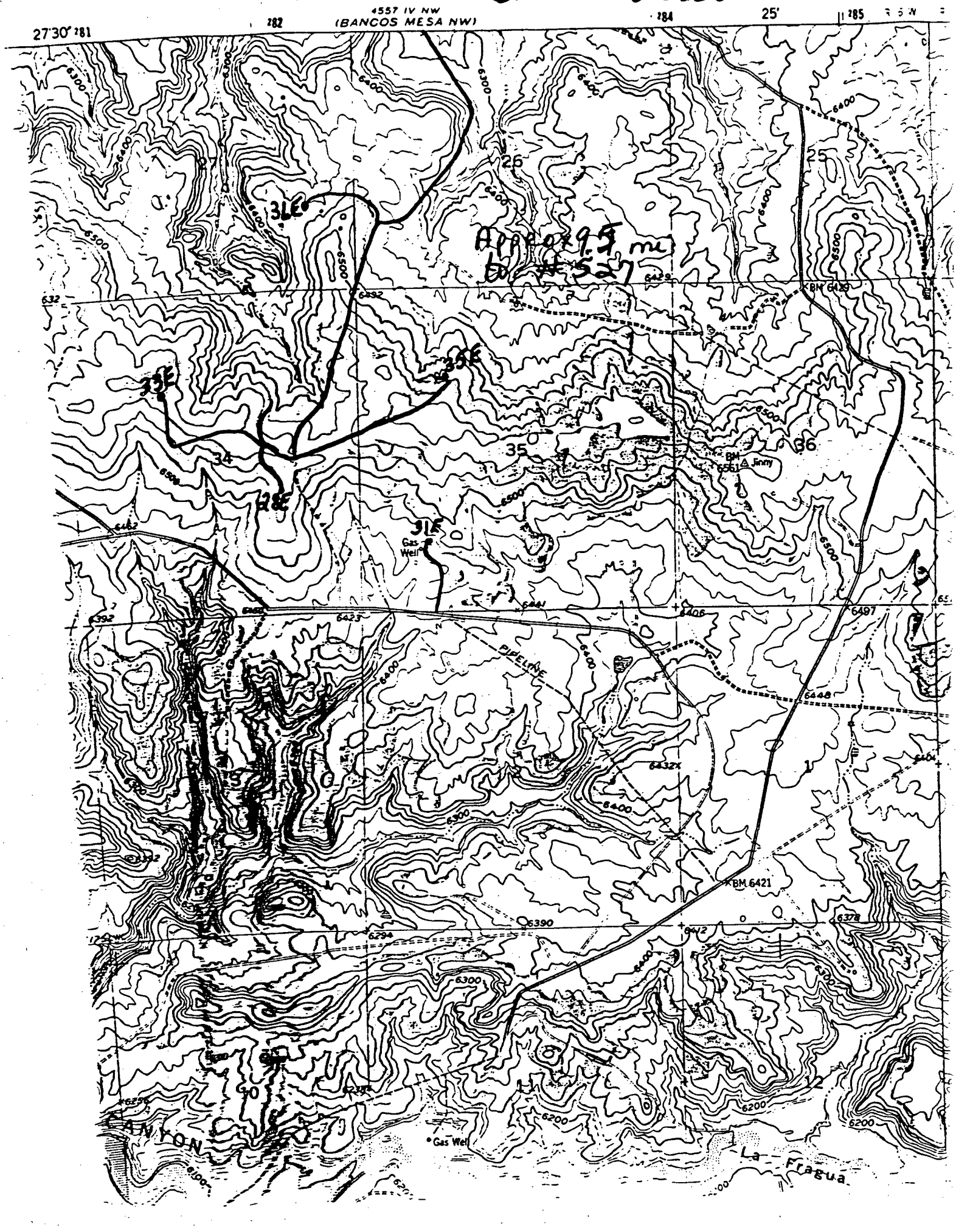
Date Surveyed: JULY 24, 1991

Signature & Seal of Professional Surveyor: HENRY P. BROADHURST, JR.

HENRY P. BROADHURST JR. NEW MEXICO 1393 REGISTERED PROFESSIONAL SURVEYOR

Certificate No. 11393

SAN JUAN 31-6 UNIT
DAKOTA WELLS



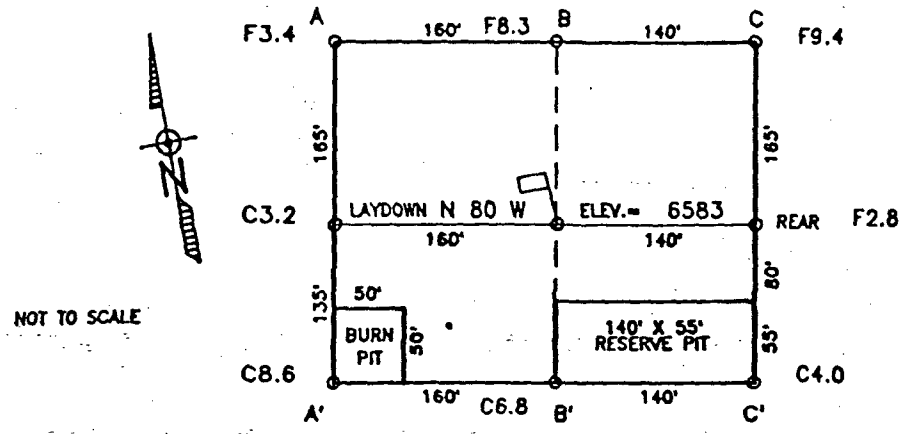
COMPANY: PHILLIPS PETROLEUM

LEASE: SAN JUAN 31-6 UNIT NO. 33E

FOOTAGE: 1174 FNL, 1138 FWL

SEC.: 34 TWN: T.31 N. RNG: R.6 W. NMPM

ELEVATION: 6583



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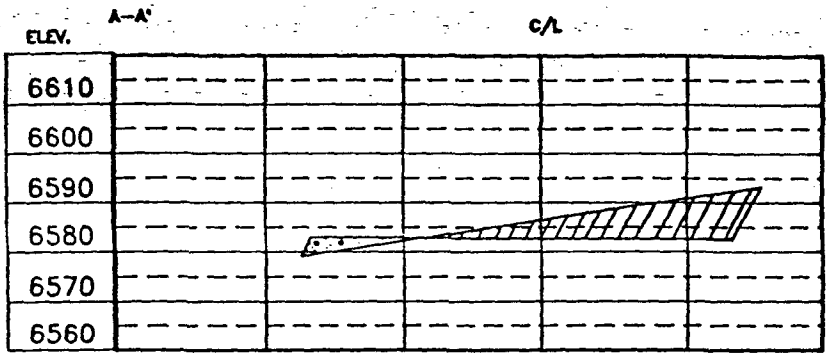

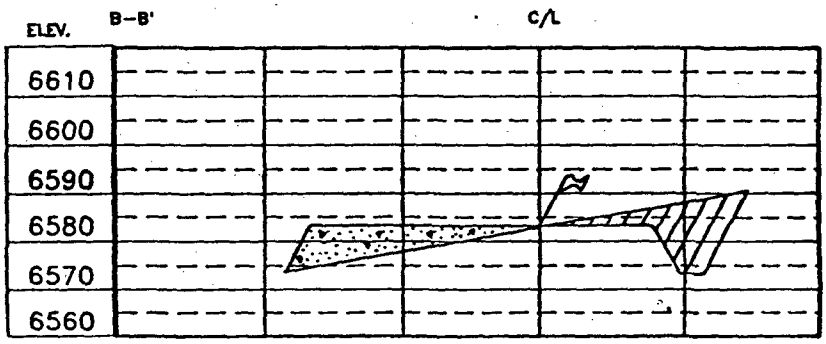

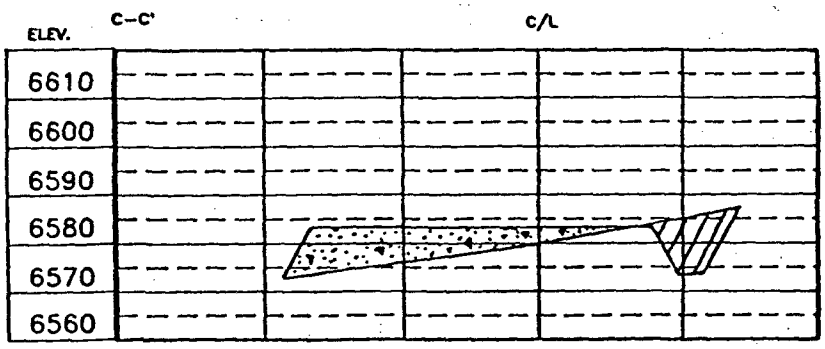

SURFACE USE PLAN

Phillips Petroleum Company , San Juan 31-6 Unit , Well No. 33E , NW/4 NW/4, Section 34, T-31-N, R-6-W, Rio Arriba County, New Mexico. (State Lease No. SF-078999.)

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 25 miles east from Blanco, New Mexico. The following is a discussion of pertinent information concerning the possible effect which the proposed drilling well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads:

   A. To reach the proposed location, start from Farmington, N.M. take N.M. 64 approximately 49 miles to Gobernador. Turn left on Hwy 527 (Sims Mesa Road to approximately the 7.8 mile marker. (La Jara Station Road). Follow road approx. 6 mi. & cross La Jara Wash. Go left at Y. Follow road 2.5 mi. Turn right thru 2nd cattleguard on right. Go 1/2 mile to intersection. Turn left at approx. .2 miles. Turn back right immediately. Follow road 1/2 mile to location.

2. Planned Access Roads:

   A. The access road is shown on the attached map. All existing roads used to access the proposed location shall be maintained in the same or better condition than presently found. The access road is to be classified "Temporary Resource Road."
   B. Turnouts: None.
   C. Culverts, Cuts and Fills: Culverts on access @ pad & where it crosses each drainage. See Cut & Fill Sketch.
   D. Surfacing Material: Natural materials at well site.
   E. Gates, Cattle Guards, Fences: Wing Fence & Gate access @ beginning of two-track.
   F. Drainage Design: After completion of Well #33E, a diversion will be placed below the cut on the South side with drainage to the West. Will have 3:1 cut & fill slopes. Will line pits. Round off SW, NE & NW corners. Wing Block MPL ROW so vehicles cannot use it.
   G. Proposed Access Road: Approximately .7 mile of new access is needed.

3. Locations of Existing Wells: N/A

4. Locations of Tank Batteries, Production Facilities, Production Gathering, and Service Lines: In the event of production, production facilities will be located on the drill pad. The actual placement of this equipment will be determined when the well's production characteristics can be evaluated after completion. To protect livestock and wildlife, the reserve pit will be fenced with wire mesh. The condensate tanks will be enclosed by a dike. Upon completion of drilling, the location and surrounding area will be cleared of debris.

   The flow line from Well No. 33E is to follow existing 2 track to a point south of location then 1/4 mile north to proposed location approximately .7 mile. A diagram of the production facilities will be submitted after final placement.

5. Water Supply Source: Will be provided by the drilling contractor and trucked to the drilling site. See Attachment No. 1 - WATER SUPPLY SOURCE.

6. Source of Construction Materials:

No additional construction materials will be required to build the proposed location. The dirt from the pit will be back-sloped and saved for use when the pit is rehabilitated.

7. Methods for Handling Waste Disposal:

A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced with wire mesh on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be back filled, leveled and contoured so as to prevent any materials being carried into the watershed.. Upon completion, the pad will be leveled, contoured, and re-seeded with the appropriate seed mixture.

B. All garbage and trash will be placed in specially constructed wire mesh containers. Upon cleanup, the refuse in the containers will be hauled to an approved landfill site.

All produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted for appropriate approval.

8. Ancillary Facilities: None

9. Well Site Layout: Attached sketch shows the relative location and dimensions of the well pad, mud pit, reserve pit, and trash pit. Location will be 230' X 300'.

10. Plans for Restoration of Surface:

Pit will be back filled and levelled as soon as practical to original condition. If well is productive, drilling pad will remain as well service pad. If dry hole, the pad will be ripped per regulations. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 60 days from commencement. Pit dirt will be saved to be used during restoration of the pit area.

11. Other Information:

A. Terrain: See Archaeological Survey
B. Soil: See Archaeological Survey
C. Vegetation: See Archaeological Survey
D. Surface Use: See Archaeological Survey

E. Ponds and Streams: See Archaeological Survey
F. Water Wells: No water wells are located in Section 34
G. Residences and Buildings: There are no occupied residences or buildings within one quarter of a mile of the proposed well location.
H. Arroyos, Canyons, etc.: See Archaeological Survey
I. Well Sign: Sign identifying and locating the well will be maintained at drill site with the spudding of the well.
J. Archaeological Resources: See Archaeological Survey. No cultural resources encountered. No archaeological protection necessary.

12. Operator's Representatives: Field personnel who can be contacted concerning compliance of the "Surface Use Plan" is as follows:

Production and Drilling
R. G. Flesher
5525 Hwy 64 NBU 3004
Farmington, New Mexico 87401
Phone: 505-599-3401

or

R. A. Allred
5525 Hwy 64 NBU 3004
Farmington, New Mexico 87401
Phone: 505-599-3403

13. Surface Ownership: The surface ownership NM State Game & Fish

14. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the 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 Phillips Petroleum Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

L. E. Robinson
Typed or Printed Name

L. E. Robinson
Signature.

9-5-91
Date

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PHILLIPS PETROLEUM COMPANY

Preliminary 9/3/91

Well Name: San Juan 31-6 Unit Well No. 33E

DRILLING PROGNOSIS

1. Location of Proposed Well: 1174' FNL & 1138' FWL, Section 34, T-31-N, R-6-W, Rio Arriba County

2. Unprepared Ground Elevation: 6583'.

3. The geologic name of the surface formation is San Jose.

4. Type of drilling tools will be rotary.

5. Proposed drilling depth is 8285'.

6. The estimated tops of important geologic markers are as follows:

Ojo Alamo -	2633'	Cliff House -	5558'
Fruitland -	3228'	Pt. Lookout -	5864'
Pictured Cliffs -	3458'	Greenhorn -	7855'
Lewis -	3975'	Dakota -	8035'

7. The estimated depths at which anticipated water, oil, gas, or other minera bearing formations are expected to be encountered are as follows:

Water:	Ojo Alamo - 2633'-2775'
Gas & Wtr:	Fruitland - 3228'-3458'
Gas:	Mesaverde - 5558'-6160'

8. The proposed casing program is as follows:

Surface String	9-5/8", 36#, J-55 @ 400'
Intermediate String	7", 23#, J-55 @ 4050'
Liner	4-1/2", 11.6#, N-80 @ 8285'

9. Cement Program:

Surface String = 220 sx CL "B" cement w/2% CaCl2 & 1/4#/sk Cello-Seal; 15.6 ppg @ 1.17 ft3/sx yield; or quantity sufficient t circulate cement to surface.

Intermediate String = Lead cmt: 400 sx 65/35 (Cl "B":Fly Ash) w/6% Bentonite, 2% CaCl2 & 1/4#/sk Cello-Seal; 12.3 pp @ 1.93 ft3/sx yield; or quantity sufficient to circulate cement to surface.
Tail: 100 sx CL "B" Neat Cement; 15.6 ppg @ 1.17 ft3/sx yield; or quantity sufficient to circulate cement to surface.

Centralizer Program:

Surface: Centralizer at 10' above shoe. Top of 2nd, 4th and 6th joint.

Intermediate: Centralizer at 10' above shoe. Top of 2nd Jt., Top of 4th Jt
Top of 6th Jt., Top of 8th Jt.

Turbulator at 1 Jt. below Ojo Alamo
Turbulator at top of next joint.
Turbulator at top of next joint.

Liner:

1st Stage: Lead = 370 Sx 50/50 (CL "B":Fly Ash) w/2% Bentonite & 0.9% Fluid Loss Additive; 13.3 ppg @ 1.36 ft3/sx yield.
Tail = 100 Sx CL "H" w/3% CF-2 & 0.50% CF-14 & 3% KCl; 15.6 pp @ 1.18 ft3/sx yield.

2nd Stage: Lead = 250 Sx 65/35 (CL "B":Fly Ash) w/6% Bentonite & 1/4#/sk Cello-Seal; 12.5 ppg @ 1.84 ft3/sx yield.
Tail = 100 Sx CL "B" Neat Cement; 15.6 ppg @ 1.17 ft3/sx yield

Set stage tool at approximately 4400'; Circulate cement to surface.

10. The minimum specifications for pressure control equipment which are to b used, a schematic diagram thereof showing sizes, pressure ratings (or) A series and the testing procedure and testing frequency are enclosed with the APD packet .

11. Drilling Mud Prognosis: Surface to Bottom of 8-3/4" Hole
Low solids, non-dispersed, 9.0 ppg+, fresh water base mud.
6-1/4" Hole Section
Air or Gas Drilled

12. The testing, logging, and coring programs are as follows:
D.S.T.'s or cores: None
Logs: DIL, GR-D-N, Temp.

Special Tests: None

13. Anticipate no abnormal pressures or temperatures to be encountered or a other potential hazards such as Hydrogen Sulfide Gas. Low risk H_2S equipment will be used.

14. The anticipated starting date is immediately upon approval with duratio of operations for approximately 30 days thereafter.

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BLOWOUT PREVENTER REQUIREMENTS

Well Name: San Juan 31-6 Unit Well No. 33E

I. Blowout preventer equipment, installation, testing and responsibilities will be in accordance with Phillips Petroleum Company's Blowout Preventer Standards.

II. Figure No. 7-9 or 7-10 (Drawing Attached): Casing String 9 5/8" surface BOP Size 10"; Working Pressure 3,000 psi.

III. Equipment to be furnished by Contractor:

A. Ram Type BOPs:
1. No. Required 2
2. Acceptable Manufacturers & Types
   a. Cameron Iron Works: QRC; F; SS; U
   b. Shaffer Tool Works: B; E; LWS; LWP
   c. Hydril

B. Annular Type BOPs:
1. No. Required None
2. Acceptable Manufacturers & Types
   a. Hydril - GK
   b. Shaffer - Spherical
   c. Cameron - D

C. Preventer Operating Equipment
1. Hydraulic Pump - air, steam or electrically operated of sufficient volume and pressure capacity to close the largest ram type preventer in less than 30 seconds. Electrically operated pump must be equipped with explosion proof motor and controls.
2. Manifold with a control valve for each preventer.
3. A Hydril or equivalent regulator for each annular type preventer.
4. Accumulator of sufficient volume and pressure capacity to close all preventers in the assembly without recharging. If the pump in C.1. is incapable of recharging the accumulator in excess of 1500 psi, a separate pump capable of this is to be furnished.
5. Remote control panel with a station for each preventer control valve.
6. Steel piping to connect hydraulic closing units to preventers.
7. Choke manifold with seamless steel piping and flanged or clamp hub connections. Choke manifold assembly and piping sizes as specified, on the attached drawing. All working lines, except hydraulic closing lines, shall have flanged or clamp hub connections to preventers, spools and casing heads.
8. Full opening drill string safety valve (I.D. equal or larger

III. C. (continued)
than I. D. of tool joint in use). Working pressure to equal or exceed specified BOP working pressure. O.D. and configuration such that valve can be run in the hole with adequate clearance.

9. Full opening upper Kelly cock. Working pressure to equal or exceed specified BOP working pressure.
10. Hydraulic pump of sufficient pressure rating to test preventer assembly to rated working pressure with necessary hose and fittings to connect the pump to drill pipe box or safety valve pin.
11. Drilling spool for use with single ram type preventers or with dual ram type preventers which do not have outlets between the rams.
12. Two valves on each side of drilling spool or dual preventers, one side for choke manifold connection and the other for kill line connection.
13. Hand wheels and extensions for manual operation of the ram type preventers. U-joints, extension guides, working platform(s) as necessary.
14. A 1" - 5000 PSI WP plug valve on the closing side of the annular type preventer using a XXE 1" x 4" nipple.
15. Flowlines from choke manifold to pits.
16. Pressure gauge with pressure range at least equivalent to BOP WP.

IV. Equipment to be Furnished by Phillips:

A. Test plug to seat in casing head.

B. Remote controlled chokes, if installed.

C. Casinghead with valves on outlets.

D. Inside blowout preventer, if required.

E. Mud-gas separator, if required, and necessary piping.

V. Location of Equipment & Controls:

A. Remote control panel on the rig floor adjacent to drillers position and stairway exit from the floor.

B. Accumulator-Hydraulic Control Valve Unit to be placed minimum of 50 feet from wellbore in easily accessible location.

C. Choke Manifold located 5 feet or more from the BOPs with minimum number of turns in the run.

D. Manual closing facilities installed so handwheels are outside the substructures in unobstructed location. U-joints, extension

V. (Continued)
guides and working platforms installed as necessary for proper and safe operation.

E. Choke Manifold connection, where possible, is to be made between the two bottom ram type preventers through use of a drilling spool or by connecting between rams of dual type units with outlets so installed.
1. On dual type preventers where outlets are not installed between rams, connection is to be made to a drilling spool installed between the ram type and annular type preventers.

F. Position and Type Rams will be as shown on the attached drawing.

G. Fill up line to be tied into the bell nipple above annular preventers.

H. Safety Valve, open with connections and/or subs available to fit any tool joint in use, shall be on the rig floor at all times.

VI. Testing

A. Initial Installation Test
Immediately after installation, each component part of the blowout preventer assembly including choke lines, valves and closing facilities will be tested individually by steps as outlined in the Blowout Preventer Testing Procedure section of Phillips' Blowout Preventer Standards. The test pressure will be at the working pressure specified in Item II. All components must be satisfactorily tested before drilling out.

B. Ram Change or Repair Test
1. After each ram change or when any component part of the preventer assembly, including lines and valves, is disturbed, the disturbed portion is to be tested to working pressure specified in Item II.
2. Installation of casing rams is not required for running casing.

C. Weekly Pressure Test
The first trip out of the hole after 12:01 AM, Tuesday, weekly test will be performed as outlined in the Blowout Preventer Testing Procedure which includes testing the entire assembly with water to 1/2 the specified working pressure for 10 minutes. The Kelly cock and safety valve are to be tested to the specified working pressure. The weekly test is not required where the test falls within three days after the initial installation test. Upper kelly cock valve with handle available.

D. Operational Test
Each preventer unit is to be closed and opened on each trip or

VI. D. (continued)

at least once each 48 hours (trip is not required just to actuate blind rams or pipe rams that do not fit top section of tapered string).

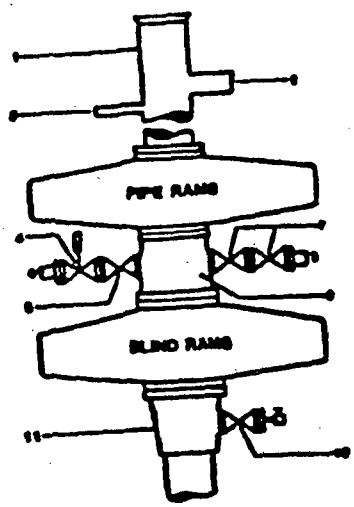
VII. Responsibilities

A. Contractor is to install and test the blowout preventer assembly as specified.

B. The driller is to check and record the accumulator pressure on the daily drilling report at the beginning of each tour.

C. Expense of rig time and pressure testing services for initial and weekly tests will be borne by:
1. Contractor while on footage contract.
2. Owner while on daywork contract.

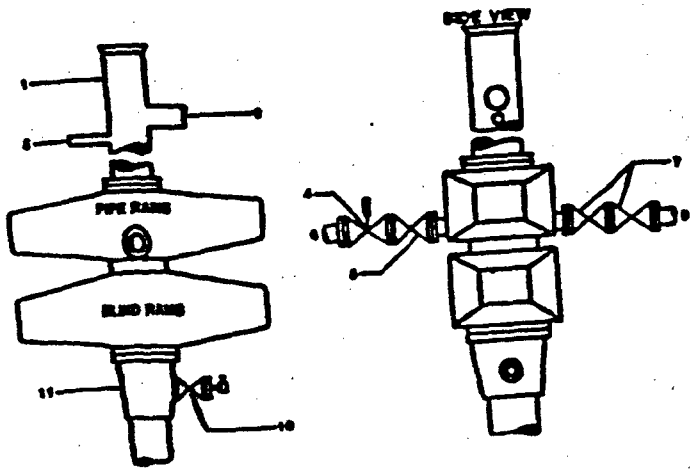
ALTERNATIVE



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
9. DRILLING SPOOL
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly
3 M Working Pressure Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 2" FE PRESSURE-OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-10. Standard Hydraulic Blowout Preventer Assembly
3 M Working Pressure Alternative 3 (without Drilling Spool)

WATER SUPPLY SOURCE
Surface Use Plan
San Juan 31-6 Unit Wells

Attachment No. 1

Depending on which drilling contractor is used, the water for drilling and completion operations will come from one of the following locations:

1. San Juan River at Blanco Bridge, NW SE SE Section 18, T-29-N, R-9-W.
2. 29-6 Waterhole in Unit L, Section 28, T-29-N, R-6-W.
3. Navajo Reservoir, SW NW SE Section 14, T-30-N, R-7-W.
4. Sims Mesa (S.J. #14) BW SW Section 35, T-31-N, R-7-W.
5. La Jara Water Hole, Unit M, Section 11, T-30-N, R-6-W.
6. Pine River
7. City of Ignacio

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Addendum 1

ARCHAEOLOGICAL SURVEY OF PHILLIPS PETROLEUM'S PROPOSED SAN JUAN 31-6 UNIT #33-E WELL PAD AND ACCESS ROAD RIO ARRIBA COUNTY, NEW MEXICO

For relocation of well pad and access road

LAC REPORT 9171d

by

Steven L. Fuller and Fred Harden

LA PLATA ARCHAEOLOGICAL CONSULTANTS
P.O. Box 783
Dolores, Colorado 81323
(303) 882-4933

New Mexico Cultural Resource Use Permit No. 19-2920-90-K

September 4, 1991

Prepared For:
Phillips Petroleum
5525 Highway 64 NBU 3004
Farmington, New Mexico 87401

INTRODUCTION

The archaeological survey of Phillips Petroleum's San Juan 31-6 Unit #33-E (originally named SJ 31-6 No. 57) well pad and access road was originally conducted by personnel of La Plata Archaeological Consultants on July 24, 1991. The well was subsequently moved about 700 feet southwest and the access will now come into the location from the southwest. The additional fieldwork was conducted by Fred Harden on September 23 and 24, 1991. The additional survey was conducted at the request of Mr. Richard Allred of Phillips Petroleum who accompanied by the archaeologists during the portions of the fieldwork phase of the project. Personnel of Daggett Land Surveying staked the proposed well location.

The project is on lands managed by the New Mexico Department of Fish and Game with the mineral estate administered by the BLM, Farmington Resource Area. The project is in Rio Arriba County, New Mexico (refer to Figure 1 for project location). All work was conducted under the authority of New Mexico Cultural Resource Use Permit No. 19-2920-90-K issued to La Plata Archaeological Consultants.

The area was originally surveyed for a well pad and access road proposed by Phillips Petroleum. The well pad was relocated about 700 feet to the southwest and will now measure approximately 210 by 300 ft. Approximately 1600 ft of new access will be required. A total of 12.5 acres was intensively surveyed for this portion of the project. The three archaeological sites reported for the original survey are no longer within the project area and will not be affected by this proposed change. One additional archaeological site was located and recorded along the rerouted access route and has been avoided; archaeological clearance is recommended for the project.

PREFIELD RECORDS SEARCH

The recently updated ARMS records on file at La Plata Archaeological Consultants were consulted, as well as a recent copy of the BLM data base map for this area. Numerous well pad surveys were conducted within 1 mile of the proposed project area. Eleven sites have been recorded within 0.5 mile of the proposed project area including the three sites recorded during the original survey (Figs. 1 and 1a, BLM copy only). No previously recorded sites are within 200 feet of the relocated well or access road and none are close enough to be affected by the project.

FIELD METHODS

Prior to the survey, the relocated well pad was marked at the center, the four corners, and the four centerline endpoints. An 7.0-acre block (510 by 600 ft) was surveyed centered on the well center stake which was sufficient to cover the 210- by 300-ft well pad, 50-ft construction

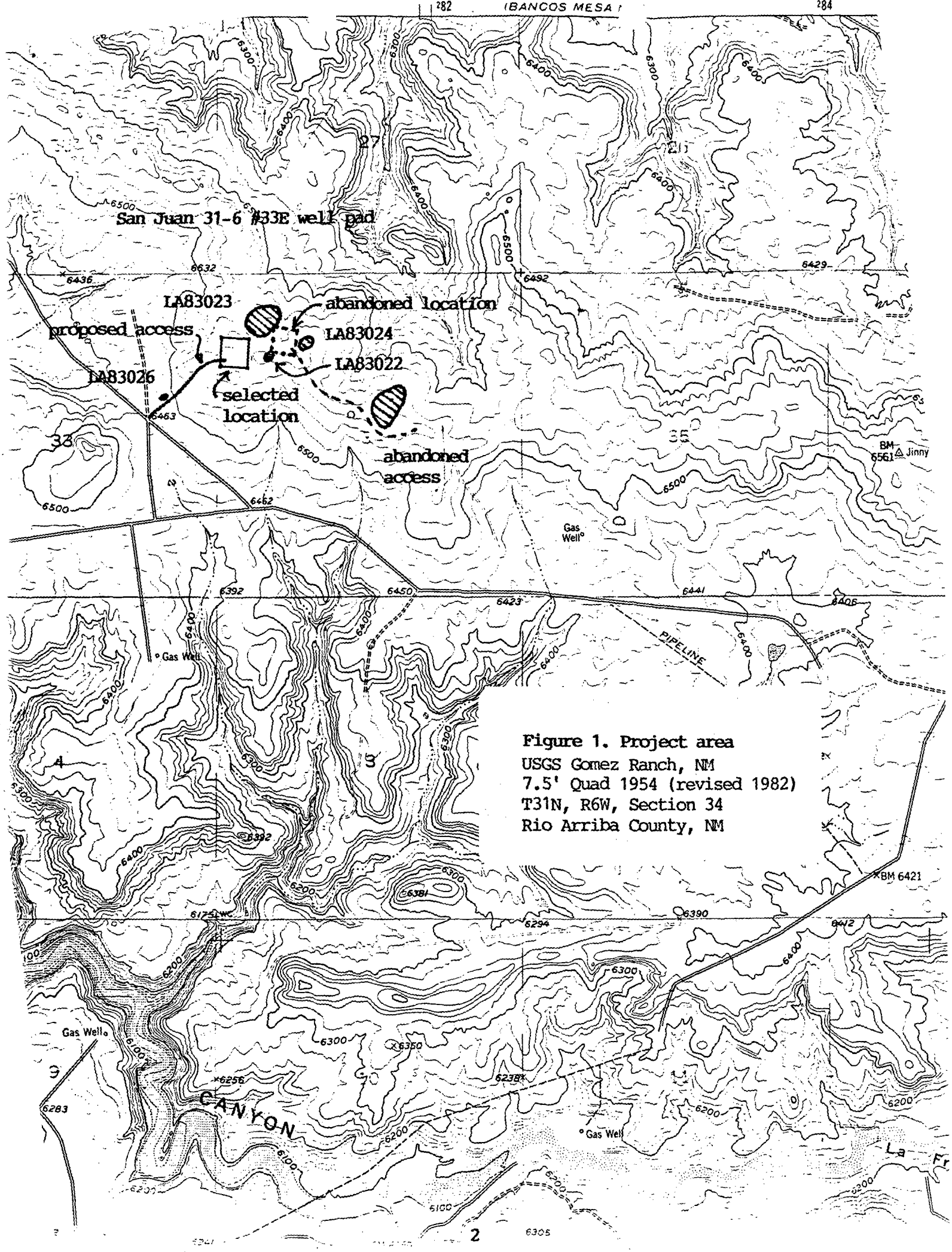


Figure 1. Project area
USGS Gomez Ranch, NM
7.5' Quad 1954 (revised 1982)
T31N, R6W, Section 34
Rio Arriba County, NM

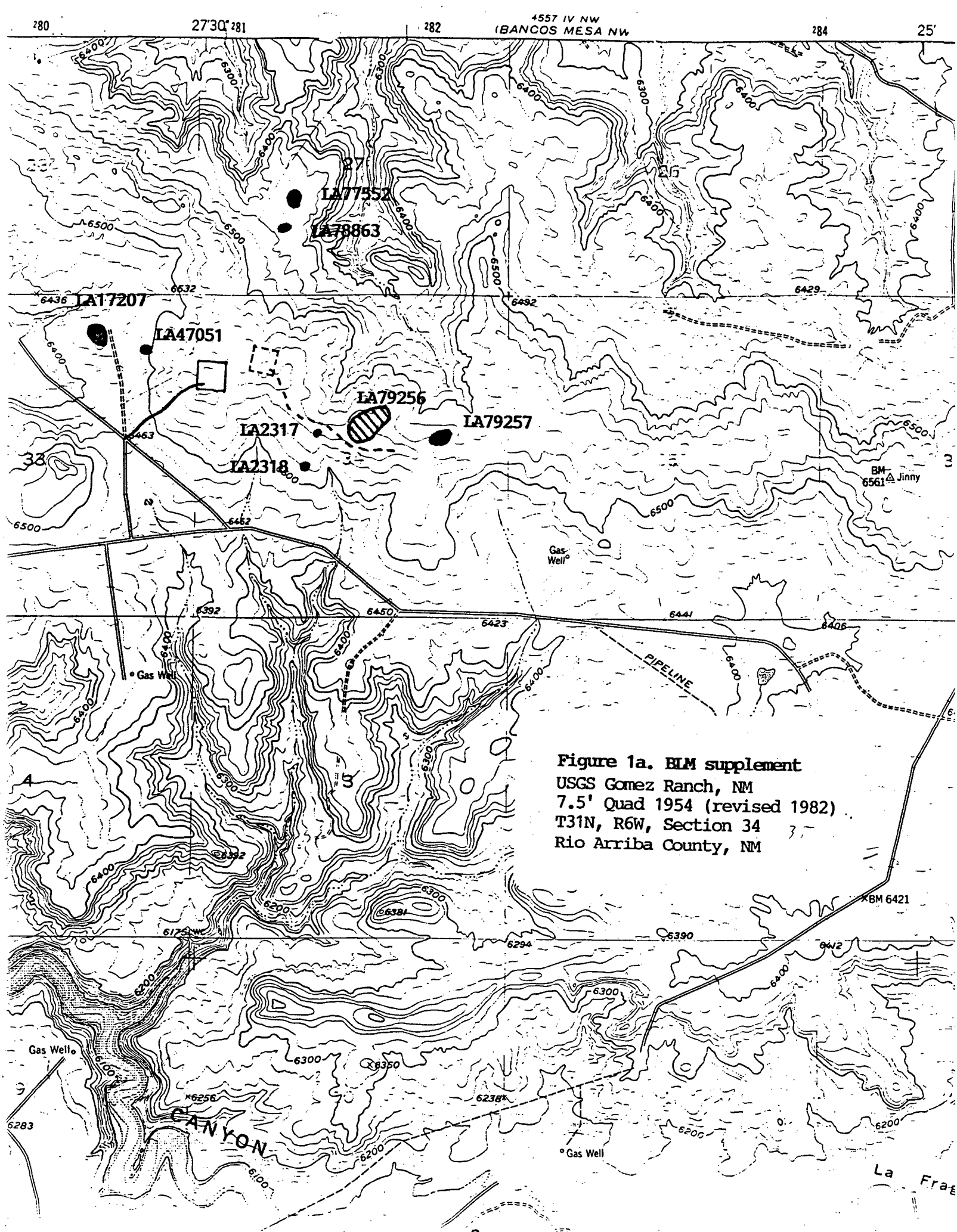


Figure 1a. BLM supplement
USGS Gomez Ranch, NM
7.5' Quad 1954 (revised 1982)
T31N, R6W, Section 34
Rio Arriba County, NM

zone, and at least a 100-ft buffer for cultural resources. The 7.0-acre block was surveyed by pedestrian transects that were no farther than 15 m or 50 ft apart. The proposed access required the intensive survey of a 1600-ft-long by 150-ft-wide corridor (5.5 acres). The extent of the surveyed area is illustrated on Figure 1.

ENVIRONMENT

The proposed well is 2 miles north of La Jara Canyon. It is situated on the northeastern slope of a long gentle ridge that extends for several miles separating the Laguna Seca and La Jara Canyon drainages. Soils on this ridge are dominated by silty loess deposits. The well and access road are within a large area of chained pinyon and juniper woodland. Currently sagebrush and grasses are dominant with only a few scattered pinyon and juniper trees.

PROJECT LOCATION AND DESCRIPTION

Project Name:	Relocated Phillips Petroleum's San Juan 31-6 Unit #33-E well pad and access road
Legal Description:	T31N, R6W, Section 34, SW 1/4 NW 1/4 NW 1/4. The actual footage of the location is 1264 FNL, 330 FWL; Rio Arriba County, New Mexico, (see Fig. 2, well plat)
Elevation:	6580 ft
Map Reference:	U.S.G.S. Gomez Ranch, New Mexico, 7.5' (1954, revised 1982)
Land Jurisdiction:	New mexico Department of Fish and Game
Project Area:	The relocated well pad will measure about 210 by 300 ft. Approximately 1600 ft of new access will be required
Surveyed Area:	510- by 600-ft block (7.0 acres) for well pad and buffer zone and a 1600-ft by 150-ft corridor (5.5 acres). Total surveyed area: 112.5 acres
Results:	Site LA83026 is about 65 ft northwest of the proposed access road which follows an existing two-track (see Appendix 1, BLM copies only)

Figure 2

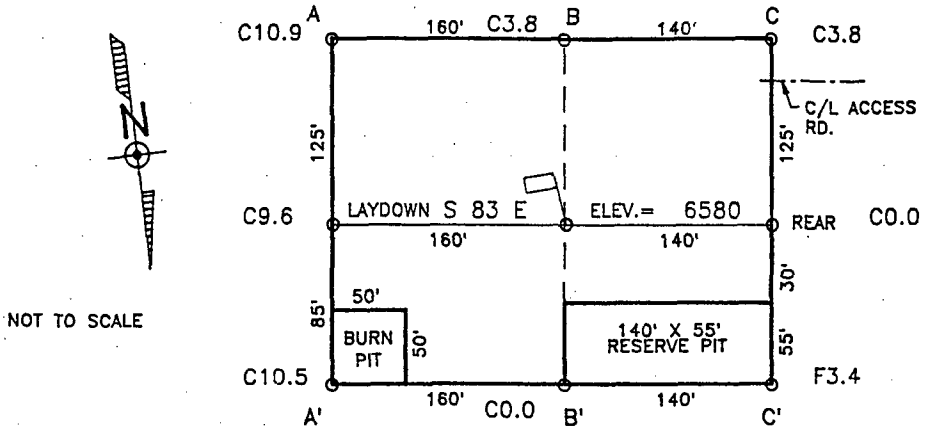
COMPANY: PHILLIPS PETROLEUM

LEASE: SAN JUAN 31-6 UNIT NO.33E

FOOTAGE: 1264 FNL, 330 FWL

SEC.: 34 , TWN: T.31 N. , RNG: R.6 W. , NMPM

ELEVATION: 6580



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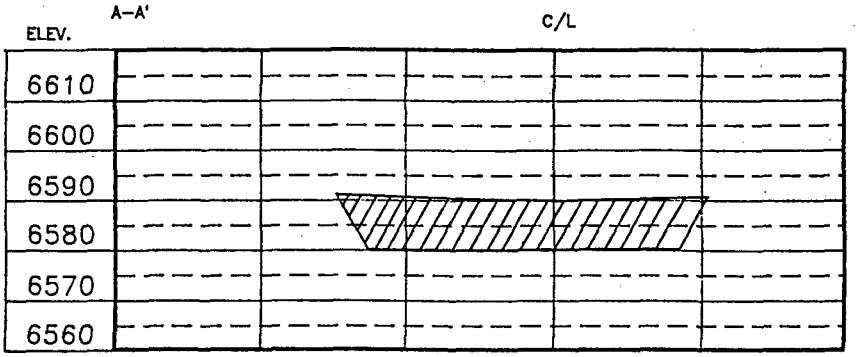
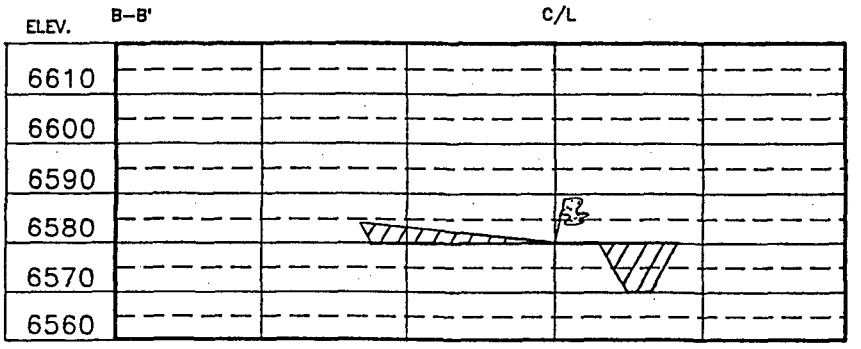
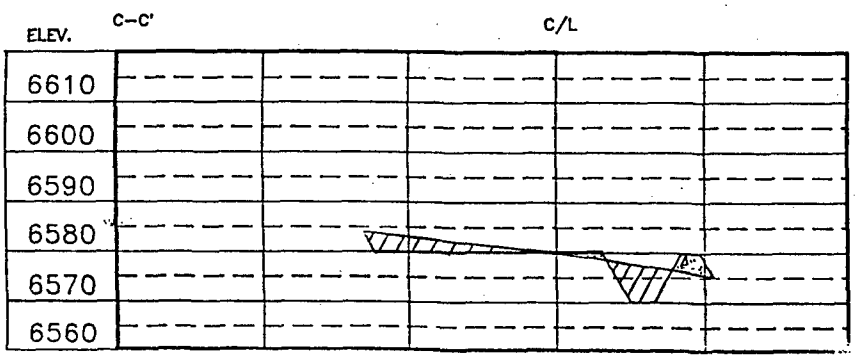






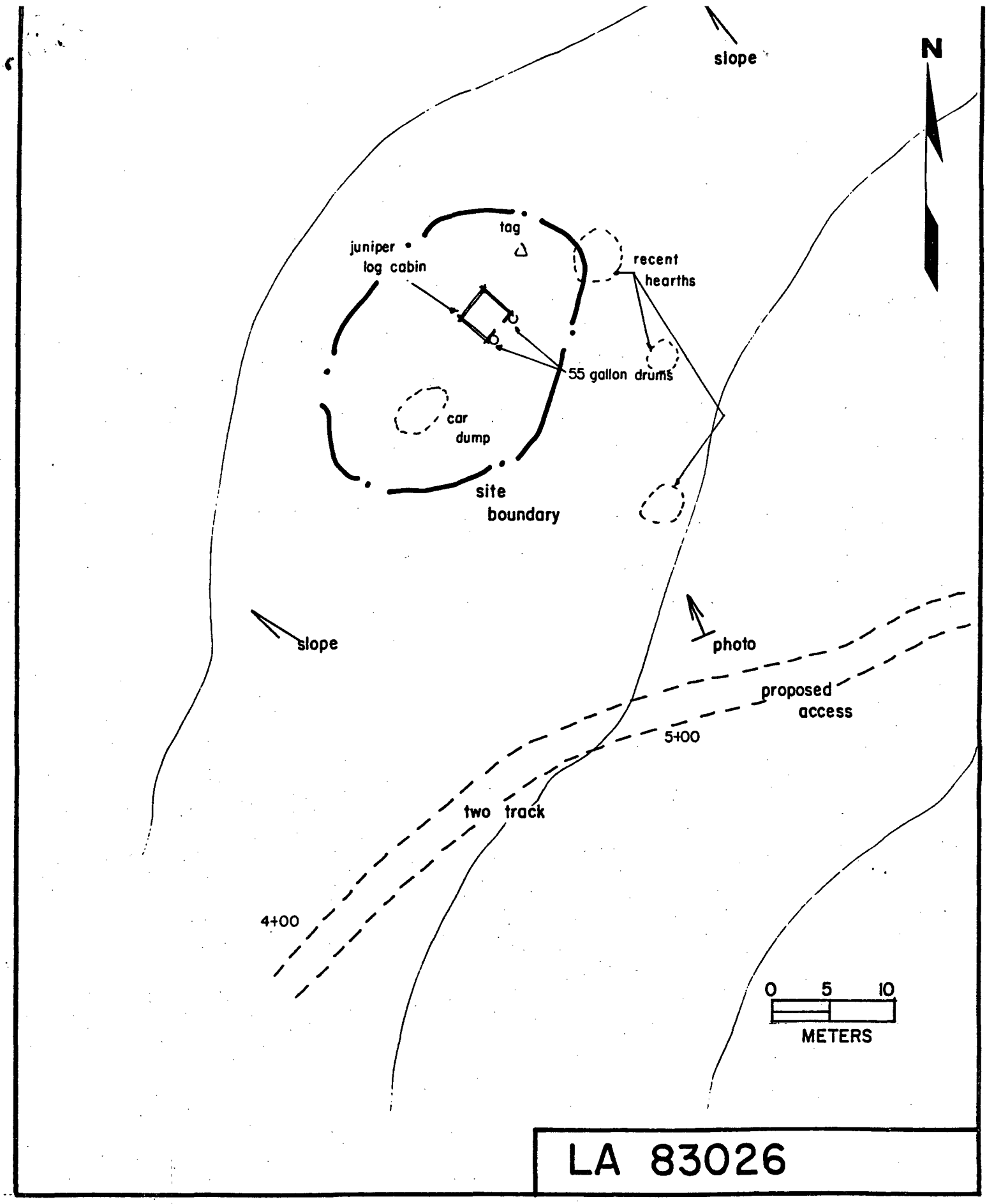
RECOMMENDATIONS

The one archaeological site that were encountered during this resurvey is located about 65 feet northwest of the proposed access road which follows an existing two-track (Fig. 3). As there is no reason to be clearing vegetation or conducting major dirtwork in the vicinity of the site, no further protection is recommended. Archaeological clearance is recommended for Phillips Petroleum's San Juan 31-6 #57 well pad and access road.

APPENDIX A
Site Description

Site No. **LA83026**

Description This site consists of an historic log cabin and several associated features situated on a gentle northwest slope. It is located along the mesa top divide that separates the La Jara Canyon and Laguna Seca drainages at a point about 1 mile east of the San Juan River (Navajo Reservoir). The cabin probably served as a remote temporary or seasonal camp used by livestock herders. The cabin is of axe-cut juniper log and pole construction, measures 3.1 meters square with a doorway on the southeast side and a single window in the southwest side (Fig. 3). The door and window were saw cut from the log structure and framed with cut lumber and wire nails. The roof is peaked and made of juniper poles that may or may not have been covered. No evidence of a dirt or sod roof remains although mud chinking is visible in the walls. The structure has a dirt floor and appears to have been built on the ground surface (i.e., not dugout). Three hearths and a small can dump are located in the immediate area. These outlying features appear to be the result of more recent camping episodes, possibly by hunting parties. The can dump contains steel vegetable cans, spam cans, and limited beverage cans including pull tab openers (1960s-1970s). The three hearths consist of large mounds of charcoal and ash with a scatter of steel, aluminum, and plastic trash. The associated features are considered modern phenomena and are not considered to have any historic value. The cabin is mostly intact although it is weakened by decay. The level of this decay suggests that this cabin is more than 50 years old. It is considered to be historically significant due to the age and the intact nature of the structure and eligible for nomination to the National Register of Historic Places. The surrounding features appear to be more recent and more ephemeral, related to modern hunting and camping and do not contribute to the historic value or integrity of the cabin.


slope
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METERS
LA 83026

Figure 3

PHILLIPS PETROLEUM COMPANY
FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

August 3, 1992

Mr. William J. LeMay
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Unorthodox Well Location
Dakota Formation
388' FNL & 179' FEL
Section 34, T31N, R6W
Rio Arriba Co., New Mexico
GF-5469

Dear Mr. LeMay:

Phillips Petroleum Company hereby requests administrative approval for an unorthodox well location for its San Juan Unit 31-6 #33E.

This request for exception is based upon the New Mexico Game & Fish Department's request that the location be moved due to wildlife considerations. Surface ownership is vested in this agency. A vicinity map, area map, land map and C-102 are enclosed herewith. As indicated, the N/2 Section 34, T31N, R6W will be dedicated to this well.

By certified mail we have notified the offset operator and requested that a waiver be provided.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

W Frank Hulse, III

W. Frank Hulse, III
Land Specialist, CPL
San Juan Basin
(505) 599-3458

Northwest Pipeline Corporation hereby waives objection to Phillips Petroleum Company's application for an unorthodox location for the San Juan Unit 31-6 #33E as proposed above.

By: _____ Date: 8/10/92
Attorney-In-Fact

cc: Richard Allred (r) Gail Bearden
Northwest Pipeline Company
Operator, Rosa Unit (Dakota)