

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

RECEIVED
DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

JUN 15 1987

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Elf Aquitaine, Inc. BUREAU OF LAND MANAGEMENT

3. ADDRESS OF OPERATOR

FARMINGTON RESOURCE AREA

Allied Bank Plaza, 1000 Louisiana, Suite 3800, Houston, Tx. 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 400' FNL & 1,500' FWL of SEC 14

At proposed prod. zone 3,911' FNL & 1,807' FWL of Sec 14

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles southwest of Lindrith

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

833'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

1170'

19. PROPOSED DEPTH

7,250' TVD = 10,000' MD

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7,290' GL

DRILLING OPERATIONS CATEGORIZED AS
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*

July 15, 1987

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20	94 H-40	600	1500 sx Class 'H'
17-1/2"	13-3/8"	61-72 H-55	5,400	2400 sx LTW + 435 C1 'H'
12-1/4"	9-5/8"	43.5 H-55	7,160' TVD 7,620' MD	250 LTW + 500 C1 'H'
8-1/2"	7"	23 H-55	TD 7,250' TVD 10,080' MD	None-slotted liner Set for production

See 8-Point Plan attached for Drilling Details

See 13-Point Plan attached for Details of Operation

RECEIVED
JUL 28 1987
OIL CON. DIV.
DIST. 3

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 Bob Adolph Bob Adolph
(713) 739-2076
(This space for Federal or State office use)

TITLE Manager, Regulatory Affairs DATE June 15, 1987

PERMIT NO.

APPROVAL DATE

Approval of [Signature]

AS ALL

CONDITIONS OF APPROVAL, IF ANY:

hold legal [Signature]

or title to the [Signature]

TITLE Hold c-704 for operations
NMOCU Name Change for full
AREA MANAGER

*See Instructions On Reverse Side

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq. 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLATForm C-102
Supersedes C-320
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

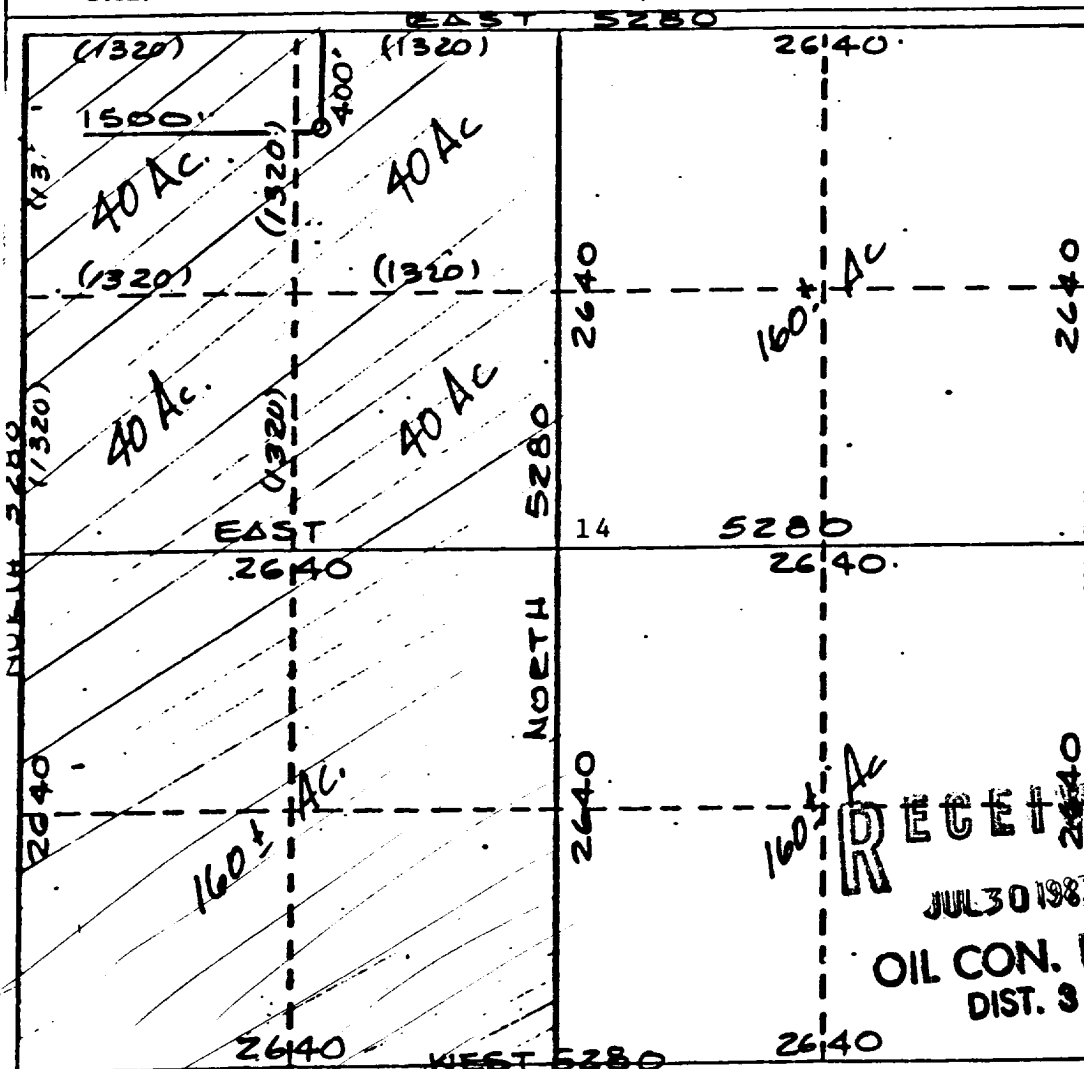
Operator ELF AQUITAINE, INC.		Lease <i>Chacon Jr. Apache D</i> JICARILLA-THOMAS HORIZONTAL		Well No. 11
Section C	Section 14	Township 23 NORTH	Range 3 WEST	County RIO ARriba
Actual Footage Location of Wells 400 feet from the NORTH line and 1500 feet from the WEST line				
Ground Level Elev. 7290	Producing Formation DAKOTA -A	Pool <i>W. Lindvigh</i> GALLUP-DAKOTA	Dedicated Acreage 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation NMOCD Case 9139 (pending)

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name

Bob Adelphi

Position

MGR. REGULATORY AFFAIRS

Company

ELF AQUITAINE, INC.

Date

July 29, 1987

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

JUNE 10 1987

Registered Professional Engineer and/or Land Surveyor

J. ROSEBERRY

Certificate No.

9752

EXH "F"

Elf Aquitaine, Inc.
Jicarilla-Thomas Horizontal Well No. 1
W/2 Sec 14, T23N, R3W, NMPM
Rio Arriba County, N.M.
West Lindrith Gallup - Dakota Field

8-Point Drilling Plan
Page -5-

6(A) Testing, Coring & Logging Program
Testing

No test scheduled

Coring

Gallup Formation

6,204' - 6,254' 5-1/2" conventional core

6,294' - 6,344' 5-1/2" conventional core

Depths are subject to change

Logging

Depth Interval	Type of Log
0 - 5,400'	No logs scheduled
5,400' - 7,620'	DIL, SFL, Sonic, SP, GK FDC, CNL, GR, Cal; and FMS
7,620' - TD	MWD tool readings and mud logger reports. Mud Logger will be used to pick coring points and top of Dakota 'A' Sand.

6(B) Deviation Program

See attachment for details

Depth Interval (TVD)

0 - 5,622'	Vertical
5,622' - 7,160'	Build up at 3-1/2° per 100 ft rate
7,160' - 7,181'	Maintain 70° angle
7,181' - 7,250'	Build up at 5° per 100 ft. rate
7,250'	Maintain 90-92° angle

Azimuth 175° = S 5° E

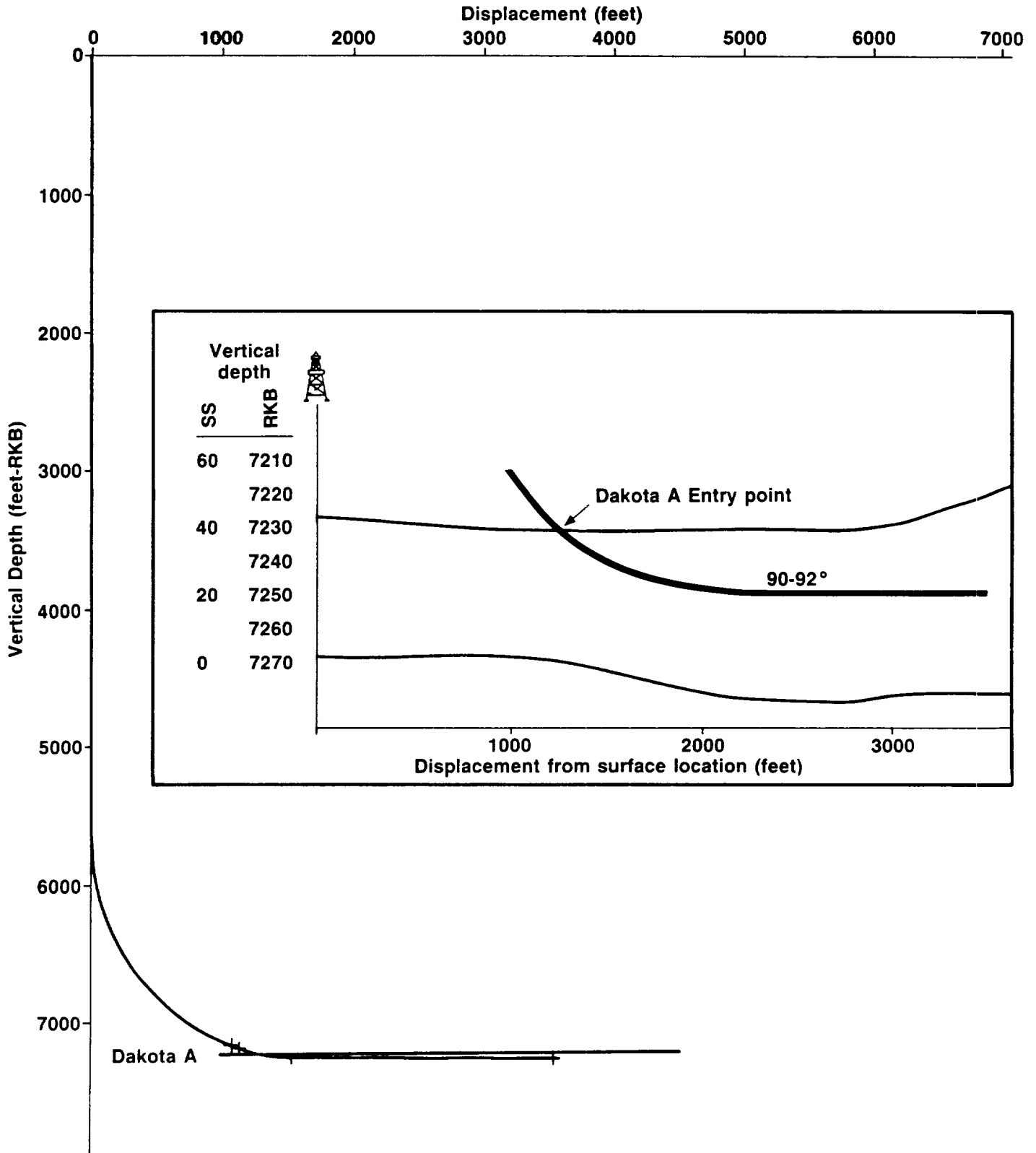
Total depth 7,250' TVD = 10,082' MD

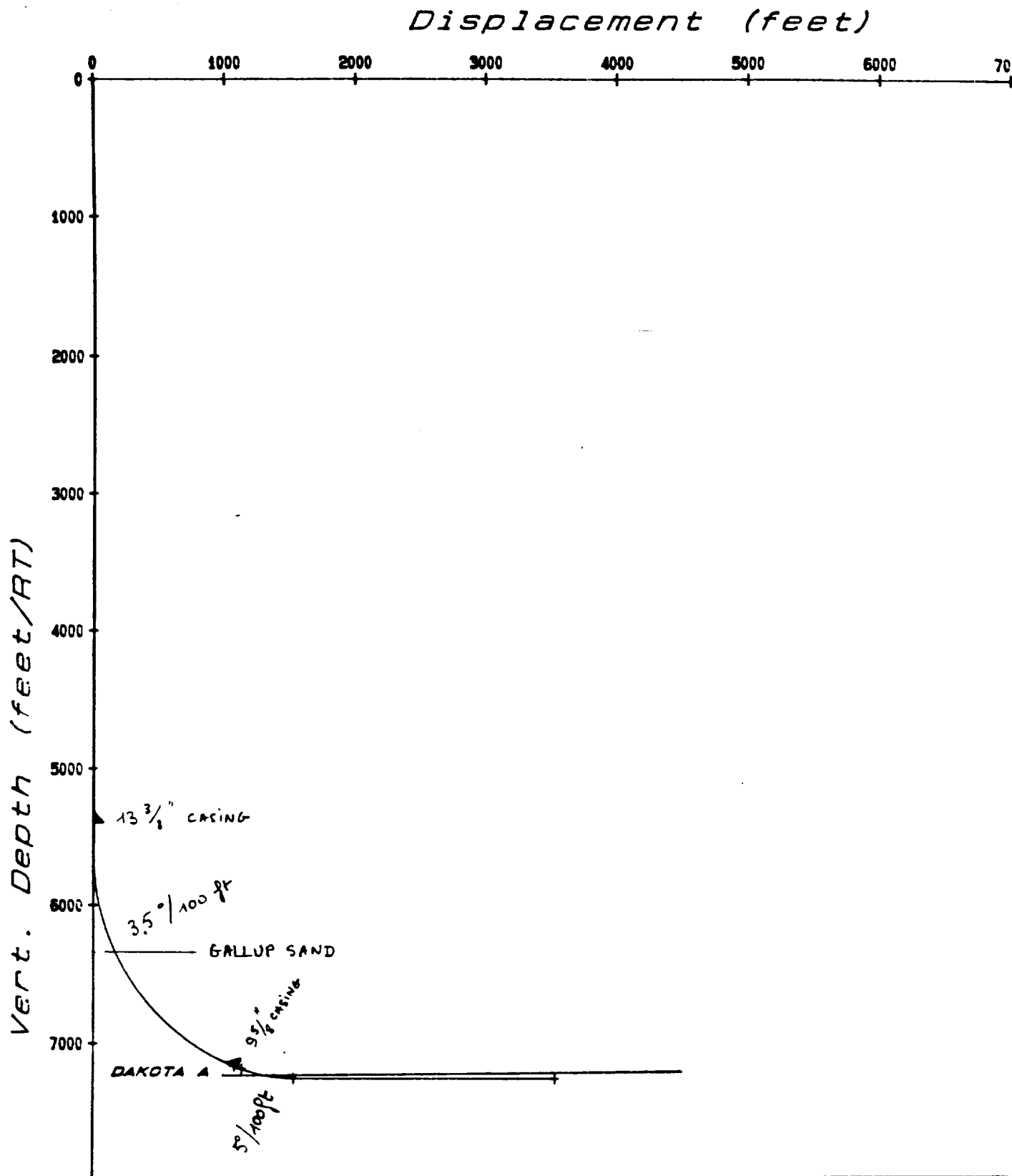
7. Anticipated Abnormal Pressure or Hazards
No abnormal pressure is anticipated

8. Anticipated Starting Date
July 15, 1987 or as soon as possible after BLM approval.

CD-H-1

Vertical Trajectory Azimuth 175° (UTM)





	For: E. A. P.	Date: 03/1987 Report #:
JICARILLO THOMAS WELL H-1 VERTICAL TRAJECTORY AZIMUTH 175° = S 5° E		

PROJECT NAME : Jicarilla - Thomas H-1

SEC.Nb	E-W	N-S	Displ.	T.V.D	Drill.L	Incl.	D.L.S	F.AZ	AZ.G
	ft	ft	ft	ft	ft	(x)	x/100ft	(x)	x/100ft
2	0.0	0.0	0	5622	5622	0	3.50	170.0	0.00
2	0.5	-3.0	3	5722	5722	4	3.50	170.0	0.00
2	2.1	-12.0	12	5822	5822	7	3.50	170.0	0.00
2	4.8	-27.0	27	5920	5922	11	3.50	170.0	0.00
2	8.4	-47.9	49	6018	6022	14	3.50	170.0	0.00
2	13.2	-74.6	76	6114	6122	18	3.50	170.0	0.00
2	18.9	-107.1	109	6209	6222	21	3.50	170.0	0.00
2	25.6	-145.2	147	6301	6322	25	3.50	170.0	0.00
2	33.3	-188.7	192	6391	6422	28	3.50	170.0	0.00
2	41.9	-237.6	241	6477	6522	32	3.50	170.0	0.00
2	51.4	-291.6	296	6561	6622	35	3.50	170.0	0.00
2	61.8	-350.5	356	6641	6722	39	3.50	170.0	0.00
2	73.0	-414.1	420	6717	6822	42	3.50	170.0	0.00
2	85.0	-482.2	490	6790	6922	46	3.50	170.0	0.00
2	97.8	-554.5	563	6857	7022	49	3.50	170.0	0.00
2	111.2	-630.7	640	6921	7122	53	3.50	170.0	0.00
2	125.3	-710.6	722	6979	7222	56	3.50	170.0	0.00
2	140.0	-793.9	806	7033	7322	60	3.50	170.0	0.00
2	155.2	-880.3	894	7081	7422	63	3.50	170.0	0.00
2	170.9	-969.3	984	7123	7522	67	3.50	170.0	0.00
2	187.0	-1060.8	1077	7160	7622	70	3.50	170.0	0.00
2	187.1	-1060.8	1077	7160	7622	70	3.50	170.0	0.00
3	187.1	-1060.8	1077	7160	7622	70	0.00	170.0	0.00
3	196.9	-1116.5	1134	7181	7682	70	0.00	170.0	0.00
4	196.9	-1116.5	1134	7181	7682	70	5.00	170.0	0.00
4	213.4	-1210.4	1229	7211	7782	75	5.00	170.0	0.00
4	230.4	-1306.6	1327	7233	7882	80	5.00	170.0	0.00
4	247.6	-1404.2	1426	7246	7982	85	5.00	170.0	0.00
4	264.9	-1502.5	1526	7250	8082	90	5.00	170.0	0.00
4	265.0	-1502.5	1526	7250	8082	90	5.00	170.0	0.00
5	265.0	-1502.5	1526	7250	8082	90	0.00	170.0	0.00
5	282.3	-1601.0	1626	7250	8182	90	0.00	170.0	0.00
5	299.7	-1699.5	1726	7250	8282	90	0.00	170.0	0.00
5	317.0	-1798.0	1826	7250	8382	90	0.00	170.0	0.00
5	334.4	-1896.5	1926	7250	8482	90	0.00	170.0	0.00
5	351.8	-1995.0	2026	7250	8582	90	0.00	170.0	0.00
5	369.1	-2093.4	2126	7250	8682	90	0.00	170.0	0.00
5	386.5	-2191.9	2226	7250	8782	90	0.00	170.0	0.00
5	403.9	-2290.4	2326	7250	8882	90	0.00	170.0	0.00
5	421.2	-2388.9	2426	7250	8982	90	0.00	170.0	0.00
5	438.6	-2487.4	2526	7250	9082	90	0.00	170.0	0.00
5	456.0	-2585.8	2626	7250	9182	90	0.00	170.0	0.00
5	473.3	-2684.3	2726	7250	9282	90	0.00	170.0	0.00
5	490.7	-2782.8	2826	7250	9382	90	0.00	170.0	0.00
5	508.0	-2881.3	2926	7250	9482	90	0.00	170.0	0.00
5	525.4	-2979.8	3026	7250	9582	90	0.00	170.0	0.00
5	542.8	-3078.2	3126	7250	9682	90	0.00	170.0	0.00
5	560.1	-3176.7	3226	7250	9782	90	0.00	170.0	0.00
5	577.5	-3275.2	3326	7250	9882	90	0.00	170.0	0.00
5	594.9	-3373.7	3426	7250	9982	90	0.00	170.0	0.00
5	612.3	-3471.4	3525	7250	10082	90	0.00	170.0	0.00

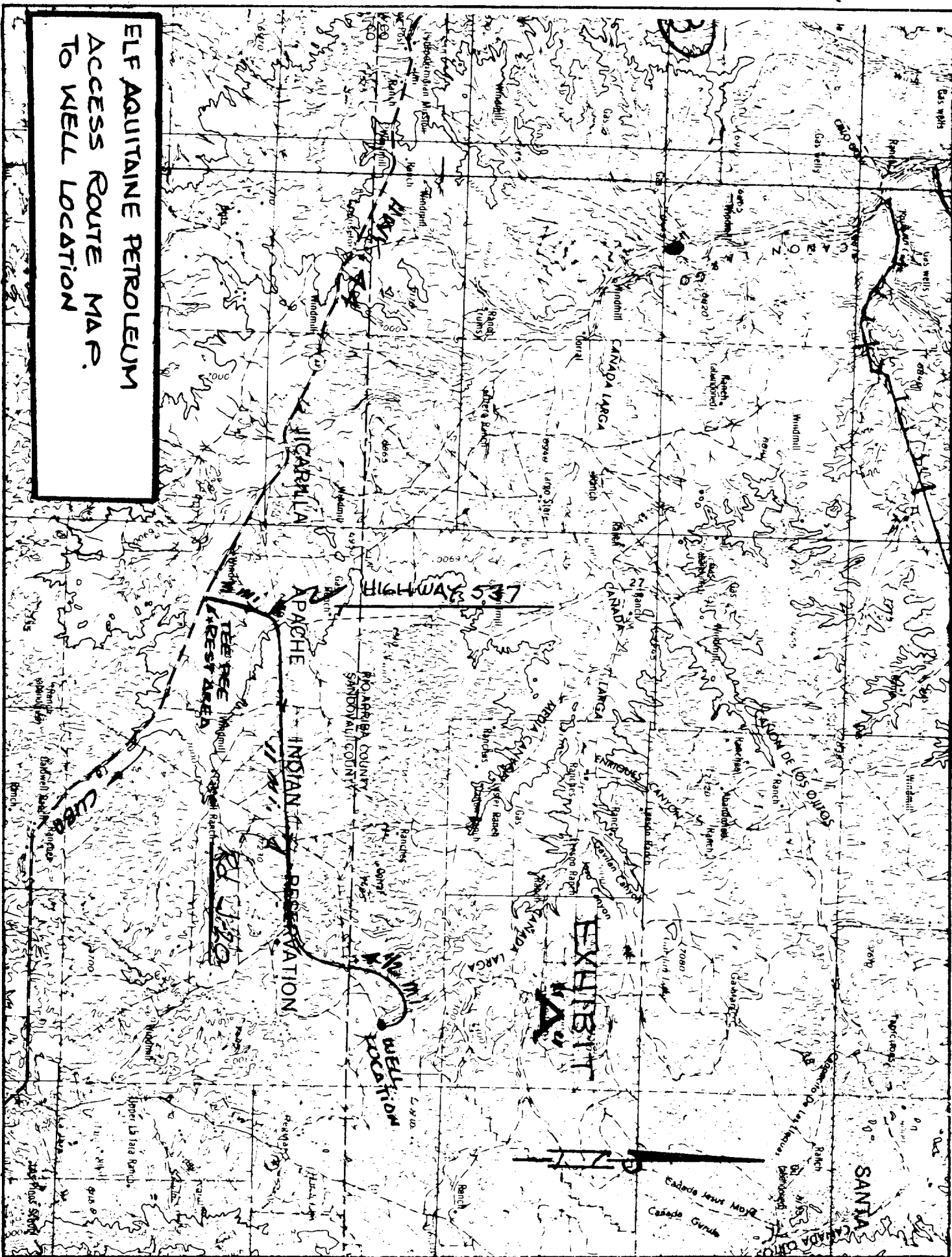
WELL PATH CHARACTERISTICS.

PROJECT NAME Jicarilla - Thomas H-1

SEC.Nb	E-W	N-S	Displ.	T.V.D	Dril.L	Incl.	D.L.S	F.AZ	AZ.G
	(ft)	(ft)	(ft)	(ft)	(ft)	(x)	x/100ft	(x)	x/100ft
1	0.0	0	0	5622	5622	0.0	0.00	170.0	0.00
2	187.1	-1061	1077	7160	7622	70.0	3.50	170.0	0.00
3	196.9	-1117	1134	7181	7682	70.0	0.00	170.0	0.00
4	265.0	-1503	1526	7250	8082	90.0	5.00	170.0	0.00
5	612.3	-3471	3525	7250	10082	90.0	0.00	170.0	0.00

ELF AQUITAINE PETROLEUM
ACCESS ROUTE MAP.
TO WELL LOCATION

SAN JUAN ENGINEERS, FARMINGTON, NEW MEXICO.

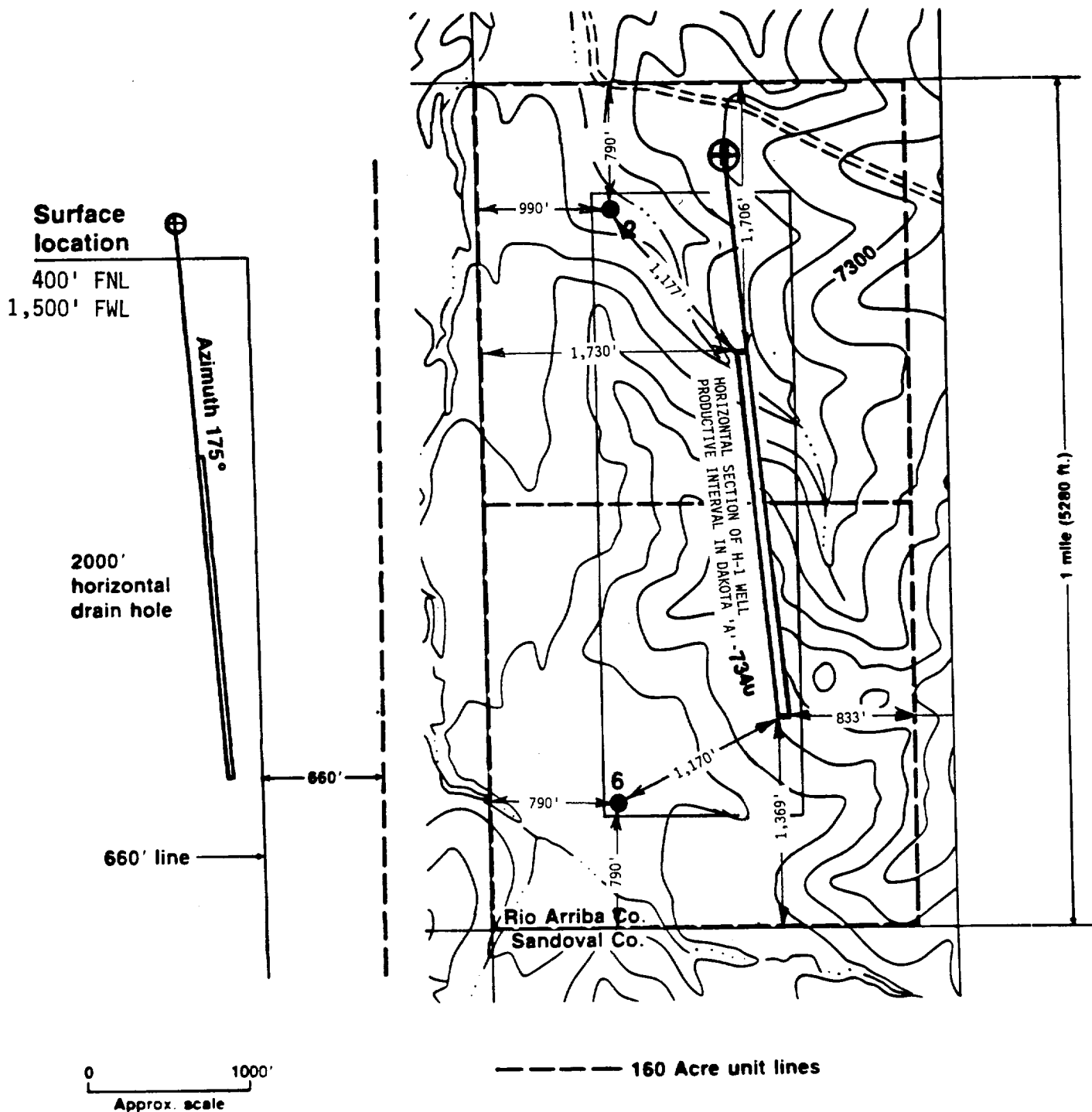


EXH. "A"

elf aquitaine petroleum

Rio Arriba County (New Mexico)

Section 14 (W $\frac{1}{2}$) T23N-R3W



from the topographic map: FIVE LAKES CANYON N.W. QUADRANGLE

ELF AQUITAINE, INC.
Plan View of Trajectory
Jicarilla-Thomas Horizontal Well No. 1
Shows the two 160 ac. Units
Served by the H-1 Well

6-08-87
EXHIBIT "C"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-1-1-1
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract 413

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chacon Jic. Apache D

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

West Lindrith

11. SEC., T., R., M., OR BLK. AND

SURVEY OR AREA
Sec 14, T23N, R3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER APD

2. NAME OF OPERATOR

Elf Aquitaine, Inc.

3. ADDRESS OF OPERATOR

Allied Bank Plaza, 1000 Louisiana, Ste 3800
Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

400' FNL and 1,500' FWL of Sec 14

14. PERMIT NO.

APD applied for

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7,290' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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 perti-
nent to this work.)*

Elf requests, as per the request of the New Mexico Oil Conservation
Division, the name for this well be changed to:

"Chacon Jic. Apache Well D-11"

The original application was for the name "Jicarilla-Thomas Well H-1"

RECEIVED
BLM MAIL ROOM
87 JUL 30 AM 11:20
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

RECEIVED
AUG 04 1987
OIL CON. DIV.
DIST. 6

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

SIGNED Boris Isely

TITLE Mgr. Regulatory Affairs DATE 7/29/87

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE JUL 31 1987

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA

BY Sm

*See Instructions on Reverse Side

NMOCC