

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28935

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco Inc. 5073

3. ADDRESS OF OPERATOR

10 Desta Drive, Midland, TX 79705

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

At surface

815' FNL - 1270' FEL

At proposed prod. zone

4324' FNL (956' FSL) - 812' FEL

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

Approximately nine miles southeast of Blanco NM.

15. DISTANCE FROM PROPOSED*

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

1270'

16. NO. OF ACRES IN LEASE

2538.04

17. NO. OF ACRES ASSIGNED

TO THIS WELL
E 320 Acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

800' ±

19. PROPOSED DEPTH

6400' MD (3044' TVD)

20. ROTARY OR CABLE TOOLS

Rotary

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

6462' GR This action is subject to technical and

23. procedural review pursuant to 43 CFR 3165.3

and appeal pursuant to 43 CFR 3166.4.

PROPOSED DRILLING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#, K-55, ST&C	250'	180 Sxs
11-0"	8-5/8"	32#, K-55, TC	3341'	555 Sxs

22. APPROX. DATE WORK WILL START*

September 15, 1993

RECEIVED

SEP 24 1993

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

James M. Hoover

TITLE

Sr. Conservation Coordinator

DATE

8-9-93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

SEP 22 1993

James M. Hoover
DISTRICT MANAGER

*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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

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

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

OIL CONSERVATION DIVISION

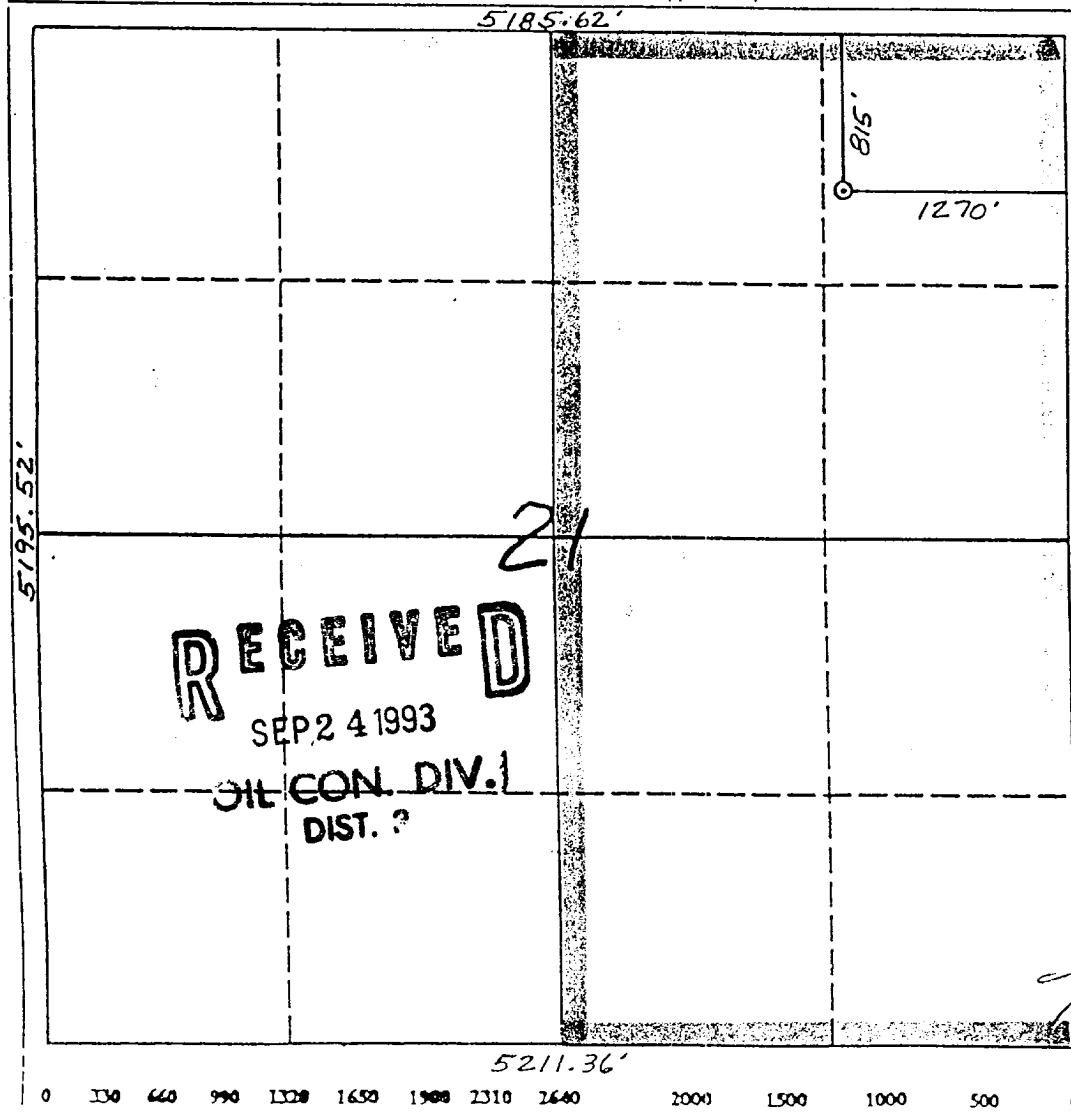
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

ATTACHMENT 1
(1 Page)

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Conoco Inc.		Lease Hughes B 422		Well No. 18- 42	
Unit Letter A	Section 21	Township 29 North	Range 8 West	County NMNM San Juan	
Actual Footage Location of Well: 815 feet from the North line and 1270 feet from the East line					
Ground level Elev. 6462'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: E 320 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint marker on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? ☐ Yes ☐ No If answer is "yes" type of consolidation _____ If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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.

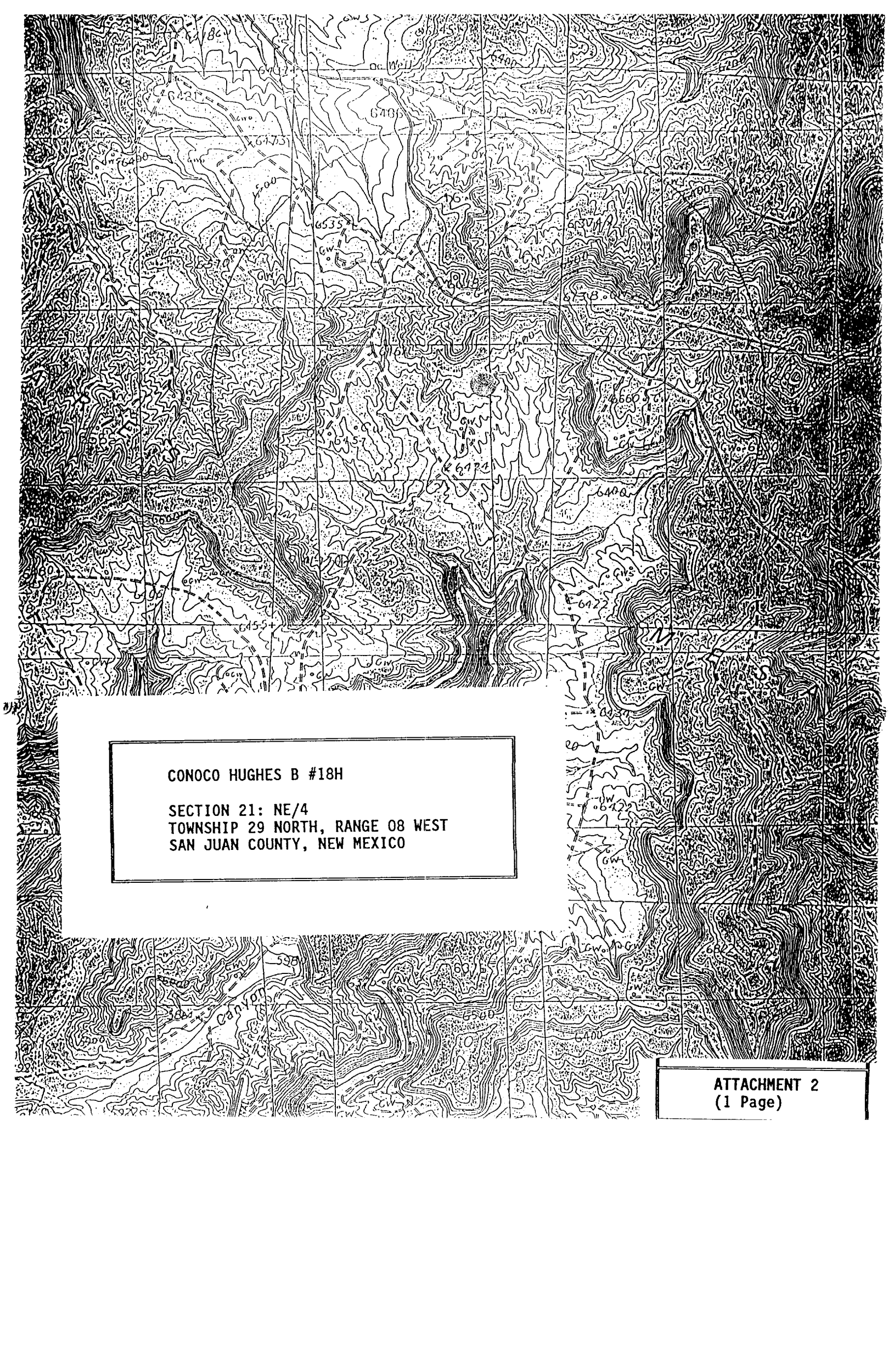
Signature
Jerry M. Hoover
Printed Name
JERRY M. HOOVER
Position
Sr. Conservation Coord.
Company
Conoco Inc.

Date
8-9-93

SURVEYOR CERTIFICATION

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

Date Surveyed
6-11-93
Name
C. EDWARDS
Signature
C. Edwards
Professional Surveyor
6857
Certificate No.
6857



CONOCO HUGHES B #18H

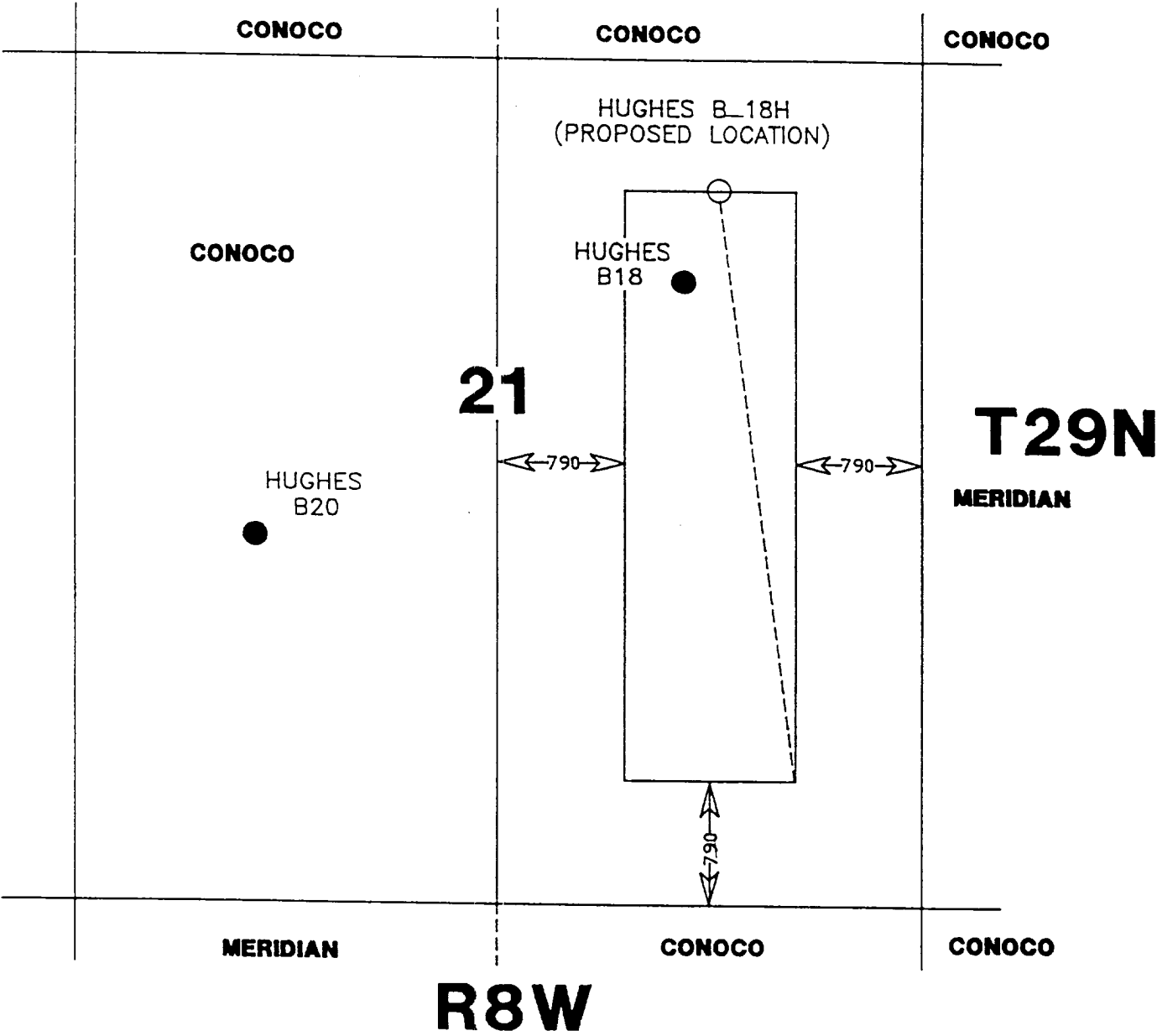
SECTION 21: NE/4
TOWNSHIP 29 NORTH, RANGE 08 WEST
SAN JUAN COUNTY, NEW MEXICO

ATTACHMENT 2
(1 Page)

CONOCO, INC.

**PROPOSED HORIZONTAL FRUITLAND COAL WELL
HUGHES #B 18 H**

**SURFACE LOCATION: 815'FNL, 1270'FEL
SECTION 21-T29N-R8W**

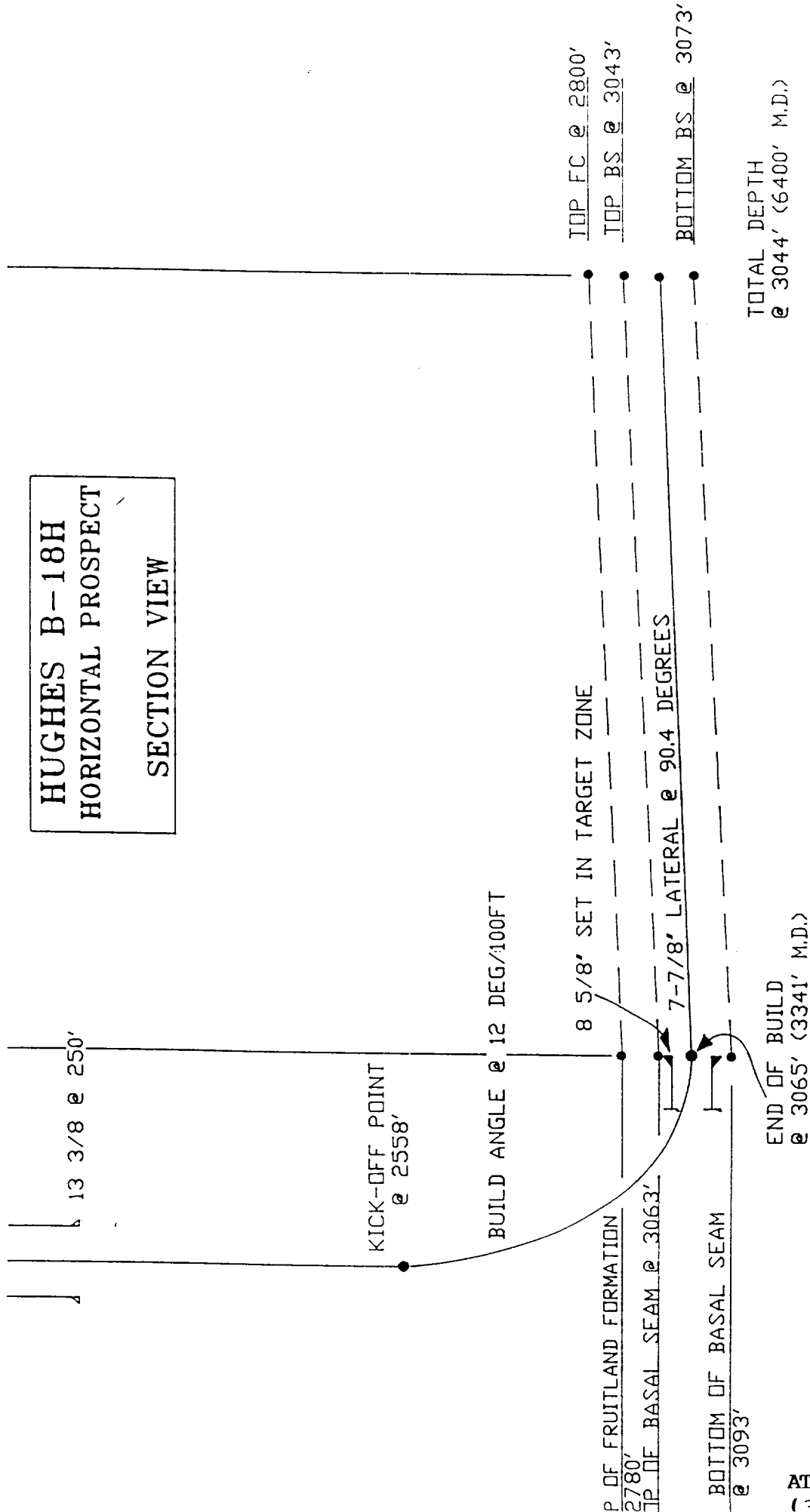


SAN JUAN CO., N.M.

815'FNL & 1270' FEL
1292'FNL & 1208'FEL

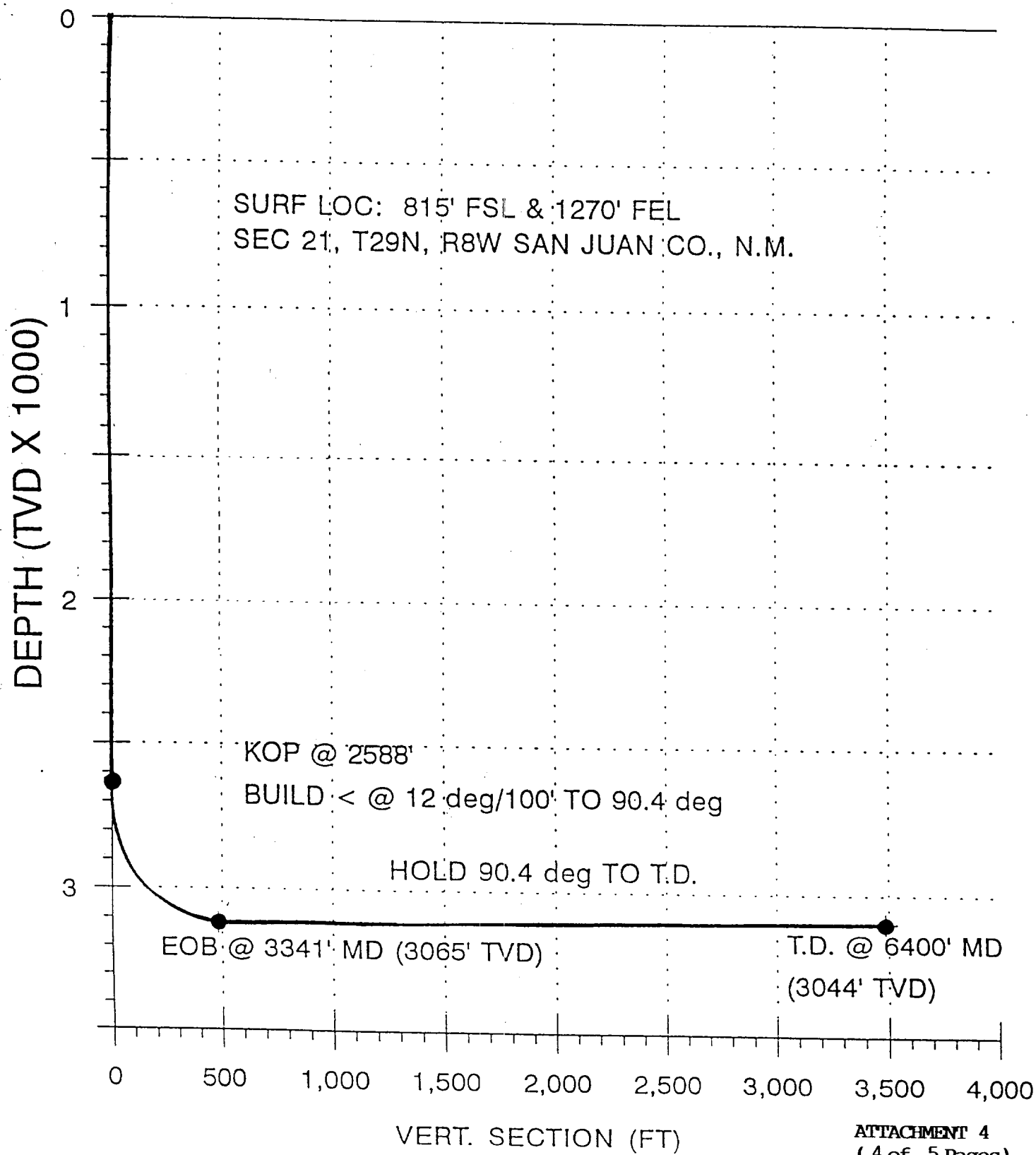
4324'FNL(956'FSL) & 812'FEL

HUGHES B-18H
HORIZONTAL PROSPECT
SECTION VIEW



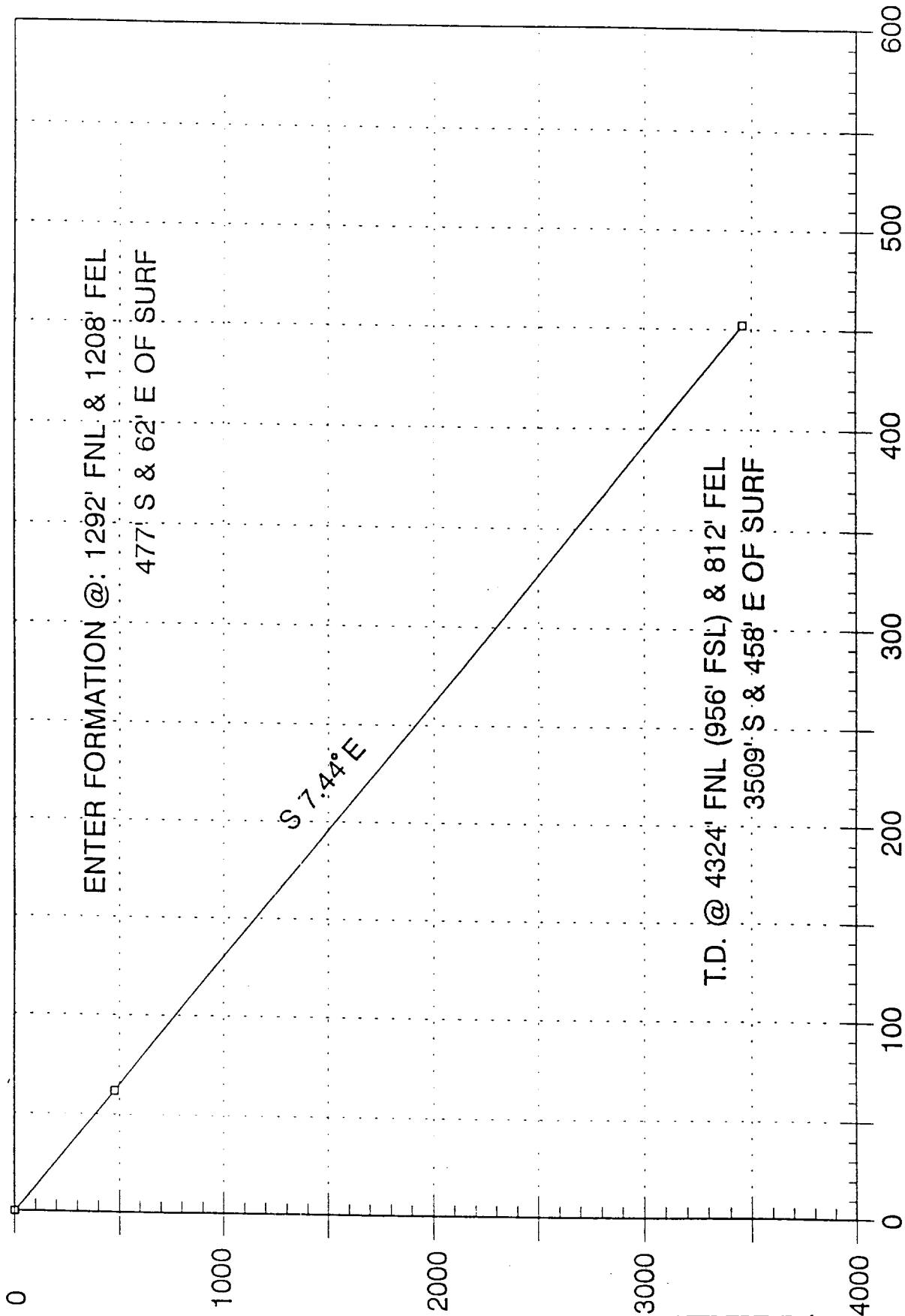
NOT TO SCALE

HUGHES B-18H VERTICAL SECTION



HUGHES B-18H HORIZONTAL PLAN

SURF LOC: 815' FNL & 1270' FEL, SEC 21, T29N, R8W, SAN JUAN CO., N.M.



HUGHES B-18H
SEC 21, T29N, R8W
SAN JUAN COUNTY, COLORADO

Conoco proposes to drill the Hughes B-18H well as a directional/horizontal hole to 6400' MD (3044' TVD). The well will develop gas reserves in the Basal Seam of the Fruitland Coal formation. Please see the attached Well Plan Outline for the proposed mud program and estimated formation tops. Please see the attached Vertical Section, Horizontal Plan, and Section View for a description of the proposed direction program and a pictorial concept of the well program.

The well plan calls for setting 13-3/8" casing at $\pm$ 250'. Next an 11" hole will be drilled to $\pm$ 3341' MD (3065' TVD) and 8-5/8" intermediate casing will be set. A 7-7/8" hole is planned to total depth of the well at $\pm$ 6400' MD (3044' TVD). Plans are to complete the well as an open-hole completion. The surface and bottom hole location and casing and cement program are planned as follows:

Surface: 815' FNL & 1270' FEL Sec. 18-29N-8W

PBHL: 4324' FNL (956' FSL) & 812' FEL Sec. 18-29N-8W

CASING AND CEMENTING PROGRAM:

Footage	Casing	Cement
250'	13-3/8" 54.5#, K-55, ST&C	<u>180</u> sxs Cl "G" + 3% CaCl 15.8 ppg, 1.17 cu. ft./sx
3341'	8-5/8" 32#, K-55, TCC	<u>420</u> sxs 35/65 Poz/Cl "G" + 6% Gel + 2% CaCl 12.4 ppg, 1.86 cu. ft./sx <u>135</u> sxs Cl "G" + 2% CaCl 15.8 ppg, 1.16 cu. ft./sx

MUD PROGRAM

Interval		Mud Weight (lbs/gal)	Viscosity (secs)	Fluid Loss (cc)	Mud Type
0 -	250'	8.4 - 9.4	Native	N/C	Spud Mud
300' -	3341'	8.4 - 10.0	30 - 45	N/C	LSND/Polymer
3341' -	6400'	N/A	N/A	N/A	Air/Air-mist

The hole interval from 3341' MD (3065' TVD) to 6400' MD (3044' TVD) will be drilled using Air/Air-mist drilling. No DST's are planned. Mudlogging is planned below 500'. Plans are to complete the well as an open-hole completion in the Basal Seam of the Fruitland Coal formation.