

0187

P. O. Drawer 1857
Roswell, New Mexico 88201

April 8, 1983

Bel-Dyn, Inc. Properties
P. O. Box 136
Lovington, New Mexico 88205

Gentlemen:

your application for Permit to Drill well number 4 Hale Federal, in the NW1/4 sec. 1 T. 19 S. R. 30 E., Eddy County, New Mexico, lease M4-0560353, to a depth of 3400 feet to test the Queen formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify our Artesia office, telephone number 505-746-9836, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

ORIG. SIGNED JAMES A. GILLHAM

James A. Gillham
Acting District Manager

Enclosure

cc:

✓NMOCD (2)
BLM - Carlsbad
MM, SCR
DMM - Mining
Regional Files
Roswell District Files
Artesia Sub-District
Suspense File
ARF
RCF

JAGillham/gh/4-8-83

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN REVERSE*
(Other instructions on reverse side)

30-015-24460

Form approved.
Budget Bureau No. 42-R1425

APR 11 1983

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

BEL-DYN, INC. PROPERTIES ✓

(Attn: Mr. Don Bell)

(Phone 505-396-3062)

3. ADDRESS OF OPERATOR

P. O. Box 136, Lovington, New Mexico 88260

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

At surface

2310' FSL & 990' FWL of Section

(NW 1/4 SW 1/4)

At proposed prod. zone
same

(Unit "L")

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

9 1/2 air miles south-southeast of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

2160.32

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

990'

19. PROPOSED DEPTH

3400' Queen

20. ROTARY OR CABLE TOOLS

Cable

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

3523 G.L.

22. APPROX. DATE WORK WILL START*

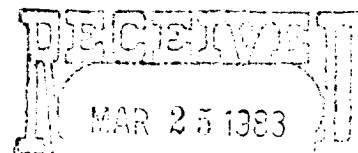
April 11, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24.0#	680'	Sufficient to circulate
8"	5 1/2"	13.0#	3100'	150 sacks CIRCULATE
5"	--	--	3400'	--

It is planned to set the 5 1/2" casing on top of the Queen formation and complete the well open-hole.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWEIL, NEW MEXICO

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 A. Knaut

TITLE

Agent

DATE

April 24, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Plotted on map
30-015-24460
4-15-83

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes O.C.C. 8
12-1-78

All distances must be from the outer boundaries of the Section

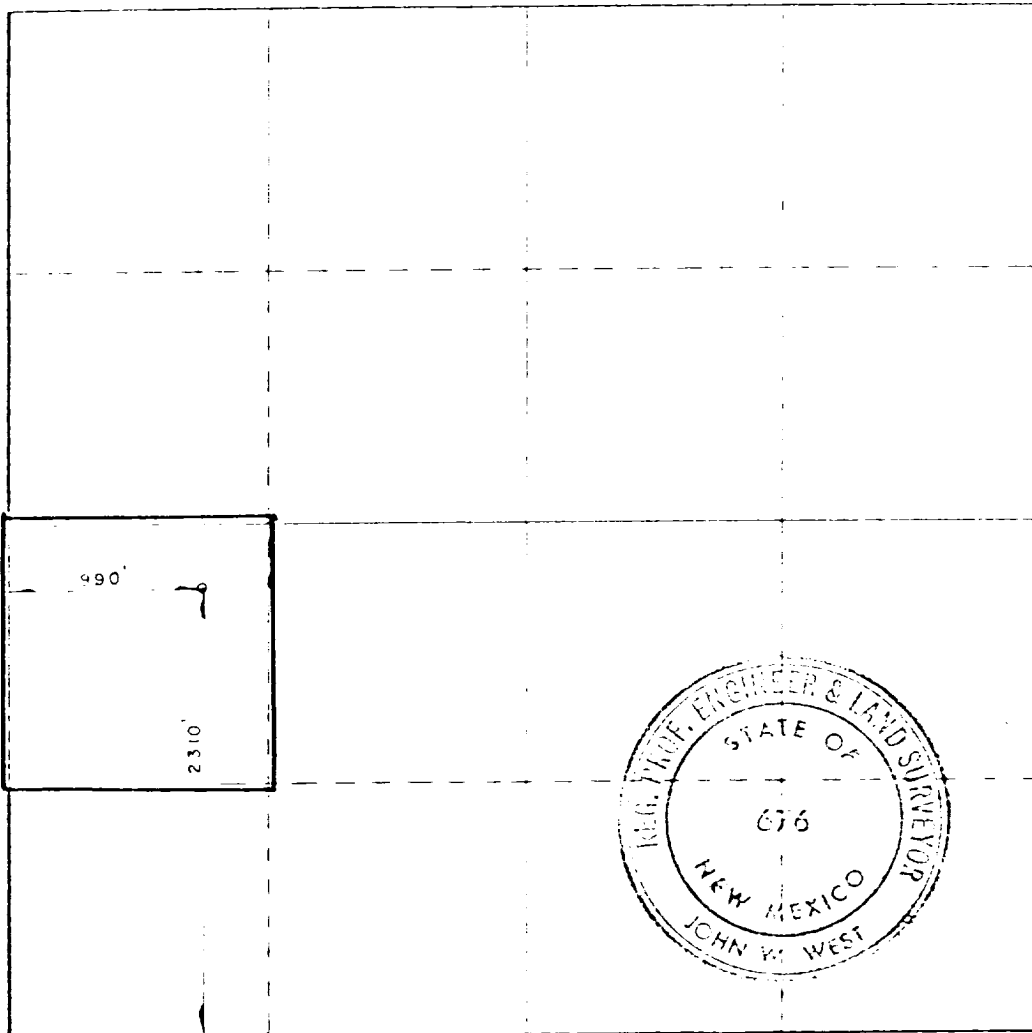
BEL-DYN, INC. PROPERTIES			Lease HALE FEDERAL		Section 4
Section	Range	Township	County	State	
L	1	19S	30E	EDDY	
Distance from the SOUTH		Distance from the WEST		Distance from the EAST	
2310		990		40	
Containing Fraction		Containing Fraction		Containing Fraction	
3522.6		Seven Rivers & Queen		Shugart (Y-SR-Q-Gb)	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof, both as to working interest and royalty.
- 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 _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No, all water 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 interests, has been approved by the Commission. _____



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.

James A. Knauf

James A. Knauf

Agent

BEL-DYN, INC. PROPERTIES

March 22, 1983

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 of Survey

11/26/82

Who Stated and Certified as Engineer

Who Stated and Certified as Surveyor

John W. West

Certificate No.

JOHN W. WEST N.M. #676

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290

SUPPLEMENTAL DRILLING DATA

BEL-DYN, INC. PROPERTIES
WELL #4 HALE FEDERAL
NW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 1-19S-30E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS (Elevation 3523' G.L.):

Salt	680'	Queen	3100'
Base Salt	2000'	Penrose	3330'
Yates	2130'		

3. ANTICIPATED POROSITY ZONES:

Water	Less than 450'
Oil	3100' - 3130'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 680'	24.0#	K-55	STC
5 1/2"	0 - 3100'	13.0#	K-55	STC

5. SURFACE CONTROL EQUIPMENT: Pressure control valve and oil saver.

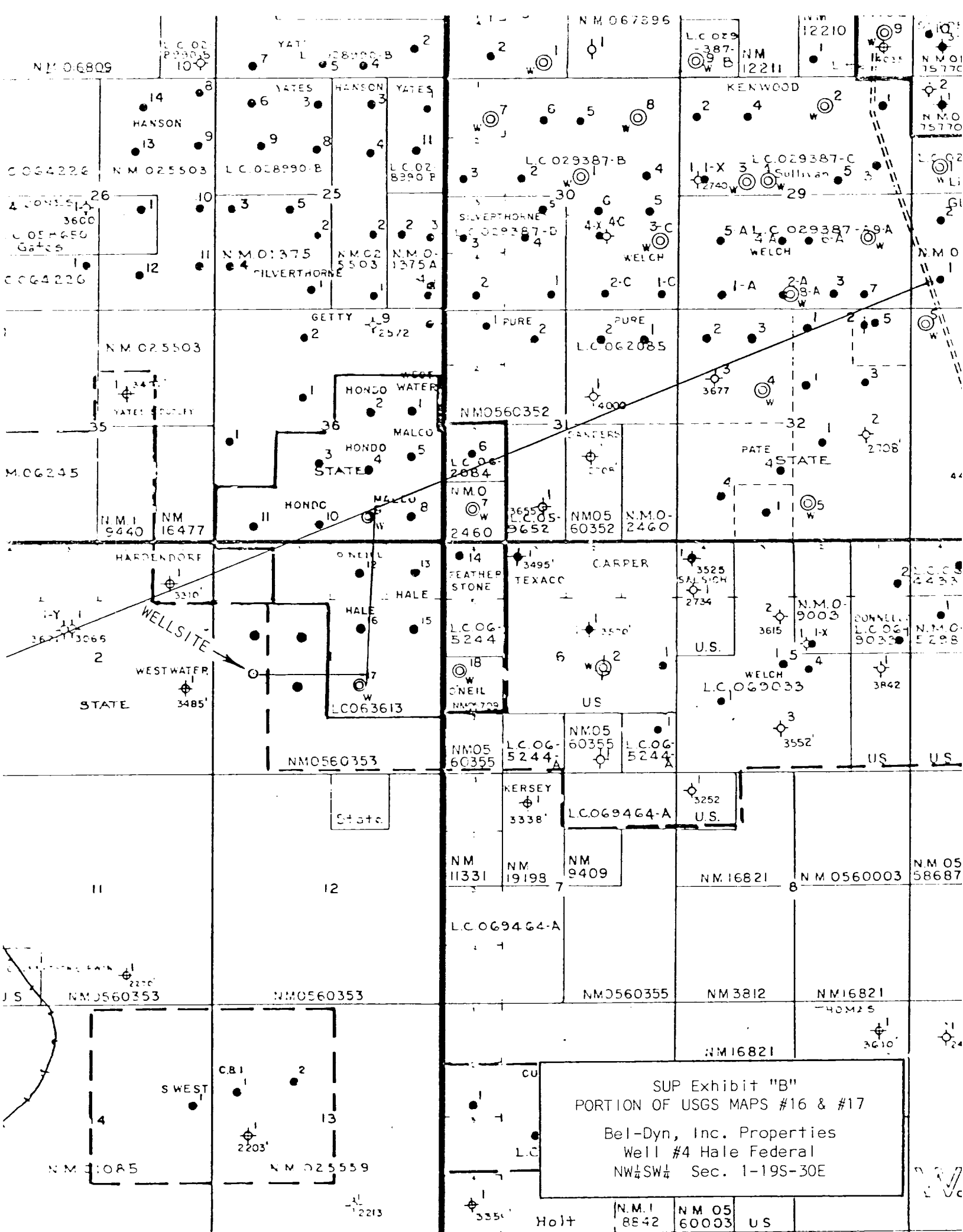
6. CIRCULATING MEDIUM: Not applicable for cable tool hole.

7. AUXILIARY EQUIPMENT: None considered necessary on shallow development well.

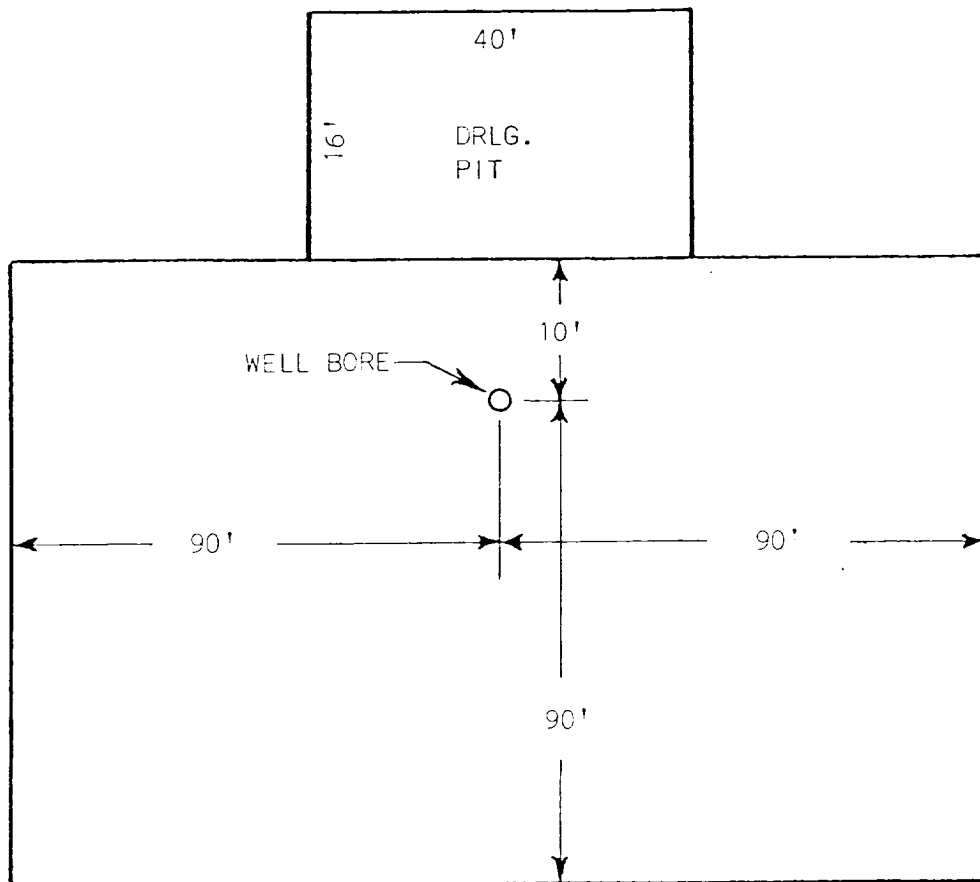
8. LOGGING PROGRAM: Gamma Ray Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about April 11, 1983. Duration of drilling, testing and completion operations should be 30 to 90 days.



CABLE TOOL DRILL PAD



SUP Exhibit "D"
SKETCH OF WELL PAD
Bel-Dyn, Inc. Properties
Well #4 Hale Federal
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1-19S-30E

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT INSTRUCTIONS
(Other instructions on
reverse side)

30-015-24460
Form approved.
Budget Bureau No. 42-R1425.
C/S 7

APR 11 1983

5. LEASE DESIGNATION AND SERIAL NO.

NM 0560353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

HALE FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Shugart (Y, SR, Q, Gb)

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

Sec. 1-19S-30E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Cable

22. APPROX. DATE WORK WILL START*

April 11, 1983

12. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

13. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BEL-DYN, INC. PROPERTIES

(Attn: Mr. Don Bell)

(Phone 505-396-3062)

3. ADDRESS OF OPERATOR

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

At surface

2310' FSL & 990' FWL of Section

(NW $\frac{1}{4}$ SW $\frac{1}{4}$)

At proposed prod. zone

(Unit "L")

same

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

9 $\frac{1}{2}$ air miles south-southeast of Loco Hills, N.M.

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LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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990'

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3400' Queen

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

751.6
3523-G.L.

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It is planned to set the 5 $\frac{1}{2}$ " casing on top of the Queen formation and complete the well open-hole.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

RECEIVED
MAR 25 1983

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWell, NEW MEXICO

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 A. Knaut

TITLE Agent

DATE April 24, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1
Superseded O-128
Effective 1-1-83

All distances must be from the outer boundaries of the Section

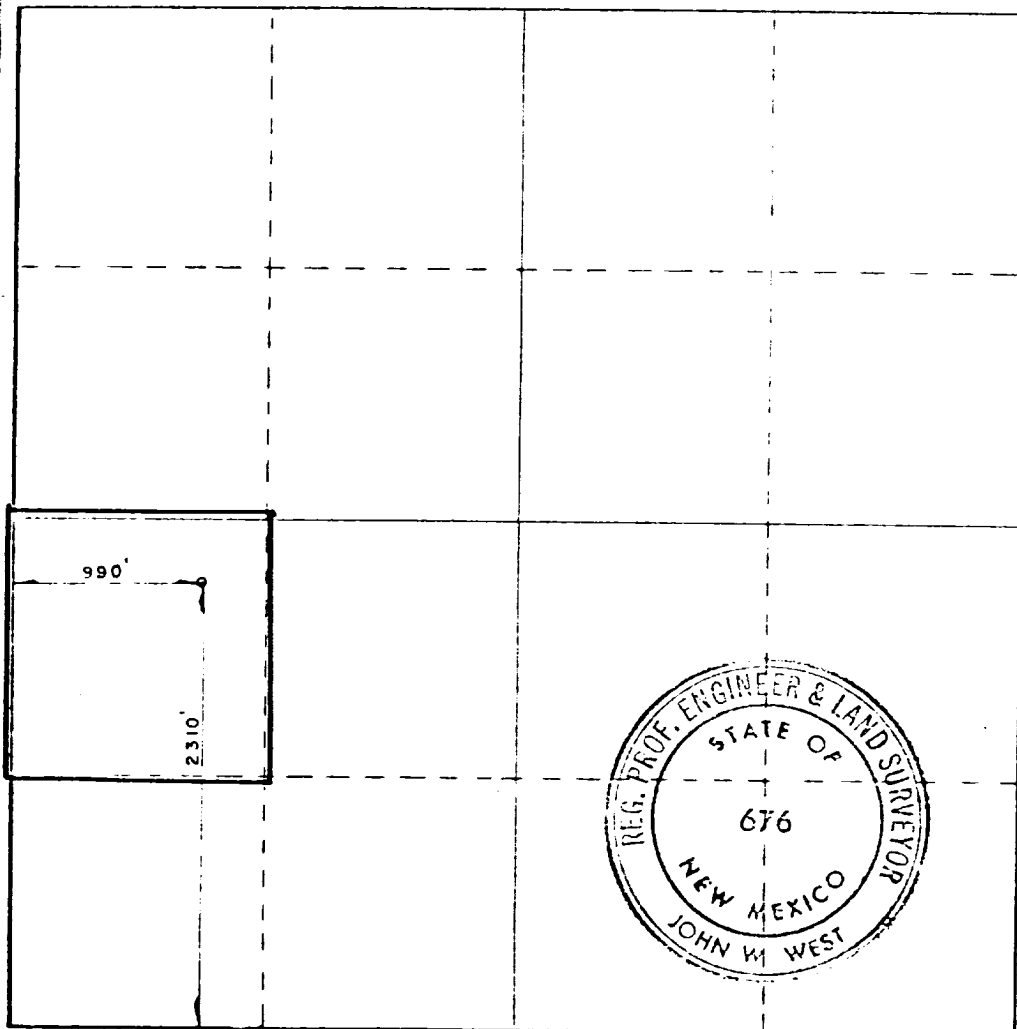
Operator BEL-DYN, INC. PROPERTIES			Lease HALE FEDERAL		Acres 4
Section L	Section 1	Township 19S	Range 30E	County EDDY	
Actual Well Location of Well:					
2310 feet from the SOUTH line and		990 feet from the WEST line			
Ground Level Elev. 3522.6	Producing Formation Seven Rivers & Queen		Port Shugart (Y-SR-Q-Gb)		Dedicated Acreage 40

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

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

James A. Knauf
James A. Knauf

Position
Agent

For
BEL-DYN, INC. PROPERTIES

Date
March 22, 1983

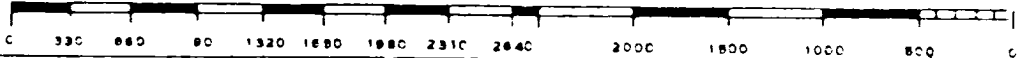
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date surveyed
11/26/82

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No.

JOHN W. WEST N.M. #676



SUPPLEMENTAL DRILLING DATA

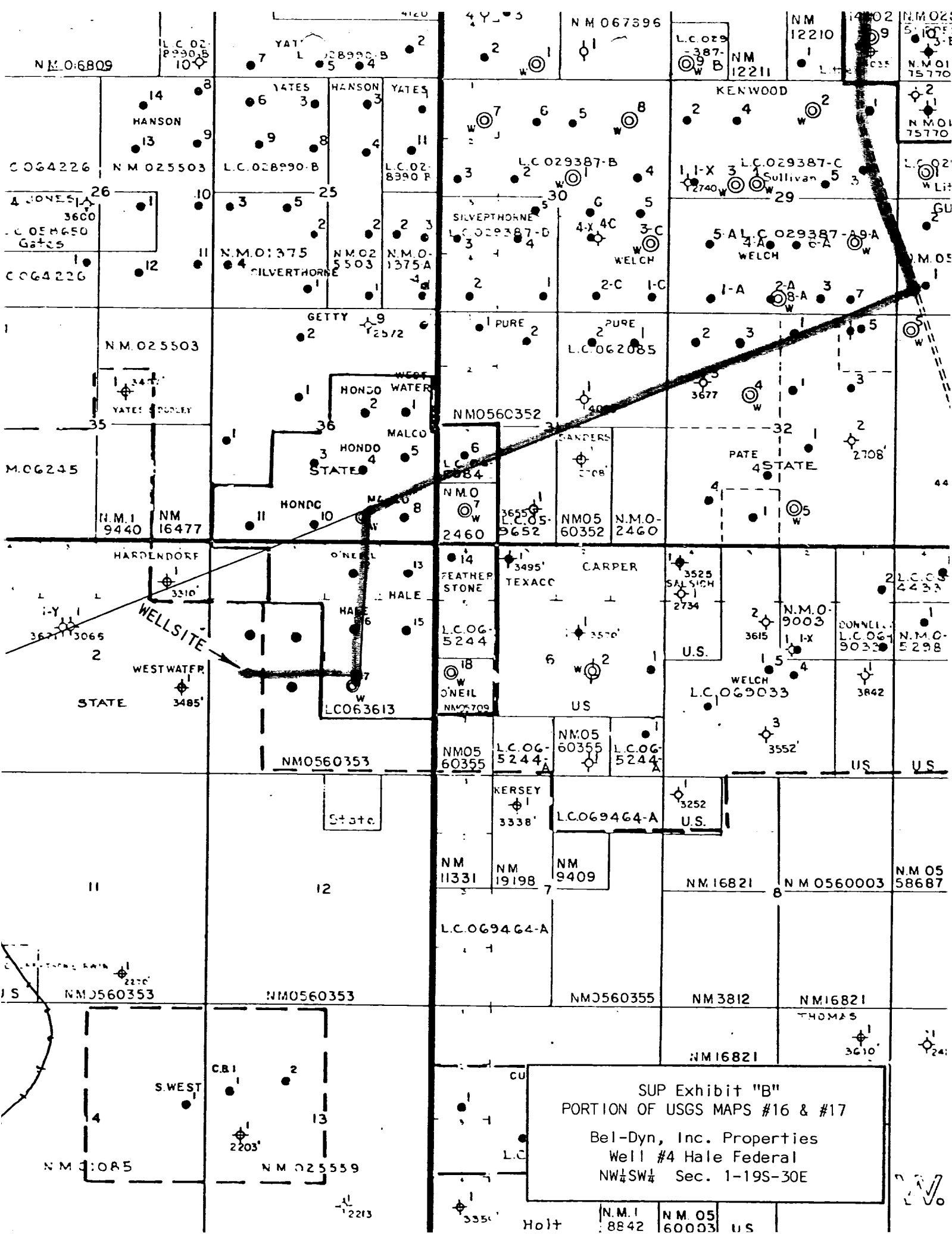
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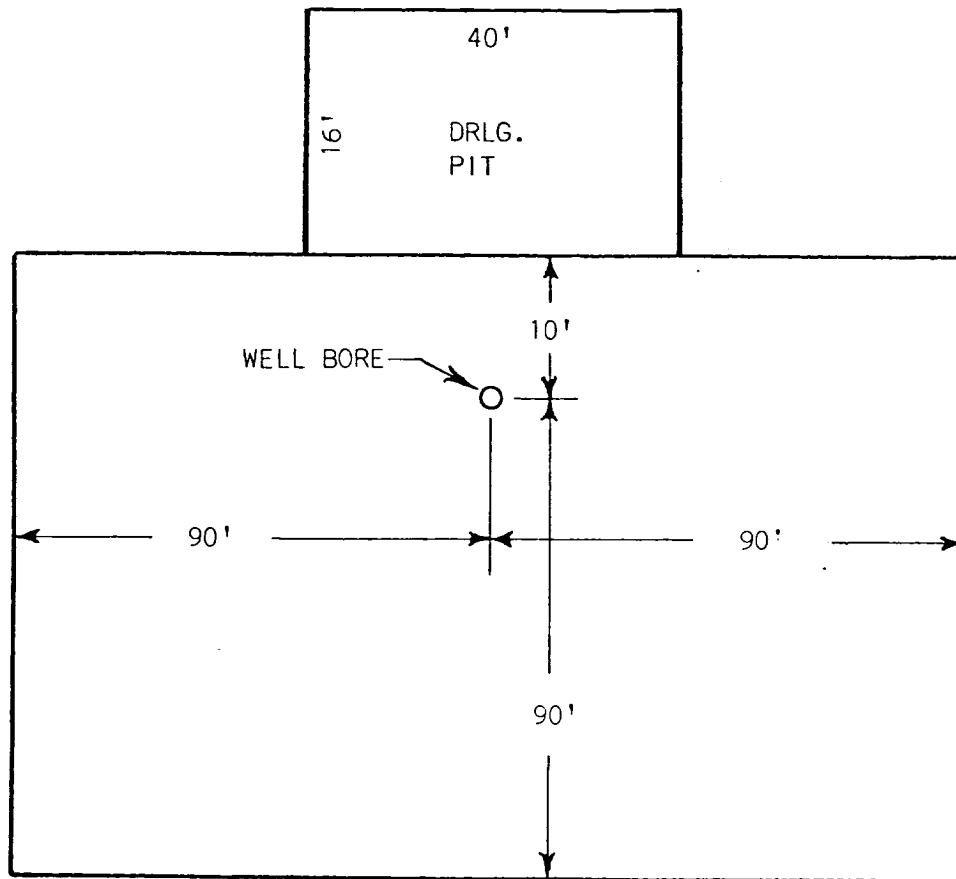
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<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
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CABLE TOOL DRILL PAD



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SKETCH OF WELL PAD
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Well #4 Hale Federal
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