

UNITED STATES OCT 26 1984
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

O. C. D.

ARTESIA, OFFICE

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

BelNorth Petroleum Corporation

3. ADDRESS OF OPERATOR

One Petroleum Center, Building 6, Suite 201

3300 N "A" Street Midland, Texas 79705

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

At surface 1980' FSL & 1980' FEL

At proposed prod. zone

1980' FSL & 1980' FEL

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

3 miles Southeast from Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 1980'

16. NO. OF ACRES IN LEASE

2083.04

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. 2745'

19. PROPOSED DEPTH

11800'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3555'

22. APPROX. DATE WORK WILL START*

11-1-84

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26	20	94	40	Redi Mix
17-1/2	13-3/8	48	500	550 sx; circulate
12-1/4	8-5/8	32,24	3800	2000 sx; circulate
7-7/8	5-1/2	17	11800	700 sx

1. The formation @ surface is Quaternary Alluvium, mainly sand dunes.

2. Est tops: Lovington 3560, Strawn 10480, Atoka 10800, L/Morrow Sd 11480.

3. Gas in Morrow, Oil in Lovington.

4. Casing Design: new casing as shown above.

5. BOP Program: 3 BOP 5000#; 1 Hydril, 1 pipe ram, 1 blind ram for shallow depths and deeper depths. Tested upon installation and periodically tested; operated daily. (See schematic).

6. Mud Program: 0-3800' freshwater native mud; 3800-9500' fresh water mud; 9500-11800' Cut brine MW 9.3, - 9.5.

7. Auxiliary: Rotating stripper head below intermediate, lower kelly cock valve, 5000# choke and choke manifold, drillstring safety valve on floor.

8. Drillstem testing as required; Logging: DLL/Micro-SFL/CNL-FDC from surface to TD.

9. Anticipated starting date 11-1-84 and will take 40 days to drill to TD.

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. W. Helms, Jr.

TITLE

Drilling Engineer

DATE

10-2-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

AREA MANAGER

CONDITIONS OF APPROVAL, IF ANY:

TITLE

CARLOS AD. REYES, JR.

DATE

10-25-84

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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.

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

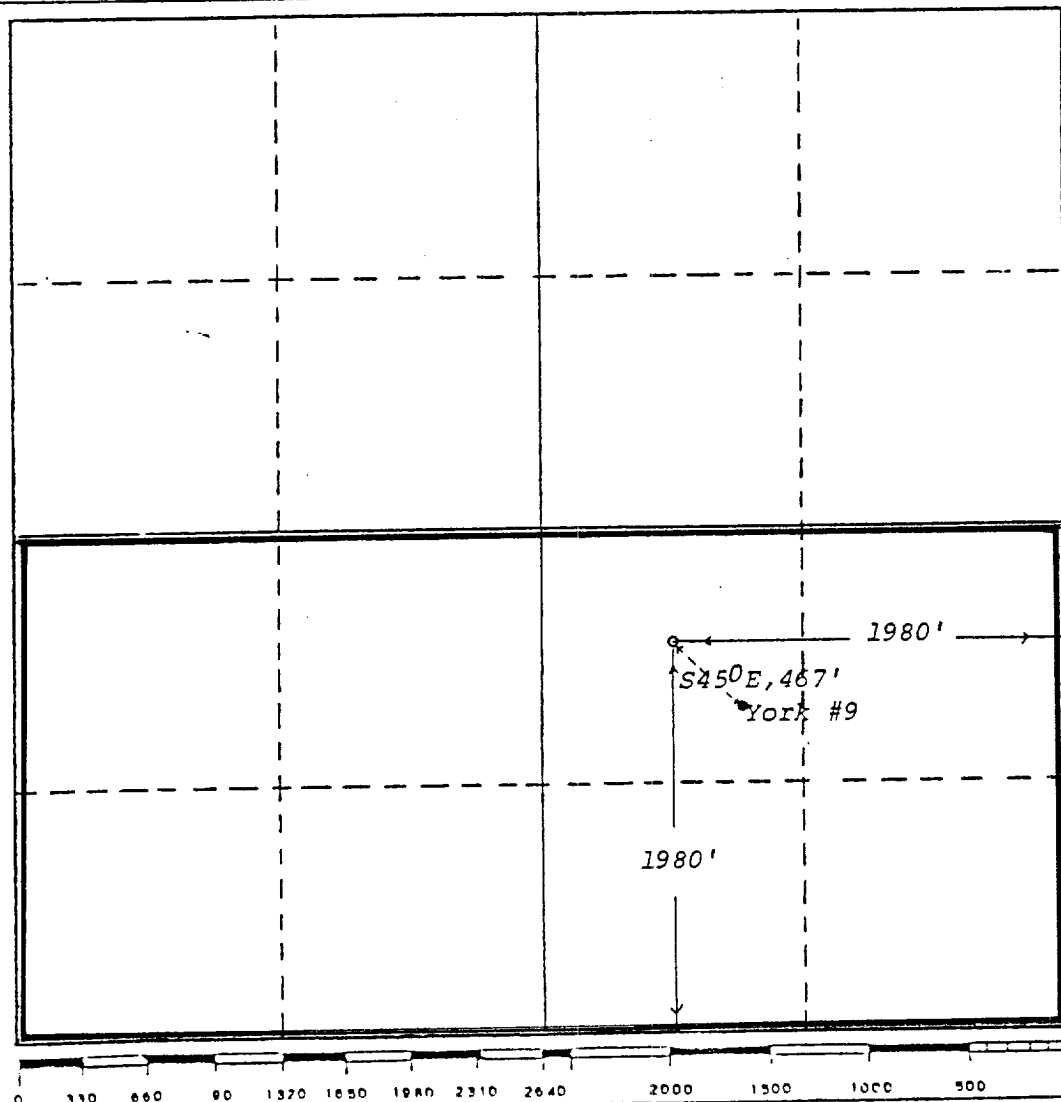
Operator BELNORTH PETROLEUM CORP.		Lease NELSON "3" FEDERAL		Well No. 9
Unit Letter J	Section 3	Township T-18-S	Range R-30-E	County EDDY COUNTY
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the EAST line				
Ground Level Elev. 3555'	Producing Formation Morrow	Pool Undes. Cedar Lake Morrow	Dedicated Acreage: 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 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 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 Division.



CERTIFICATION

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

Name

L. W. Helms, Jr.

Position

Drilling Engineer

Company

BelNorth Petroleum Corp

Date

October 1, 1984

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

GARY D. BOSWELL
Registered Professional Engineer
and Land Surveyor

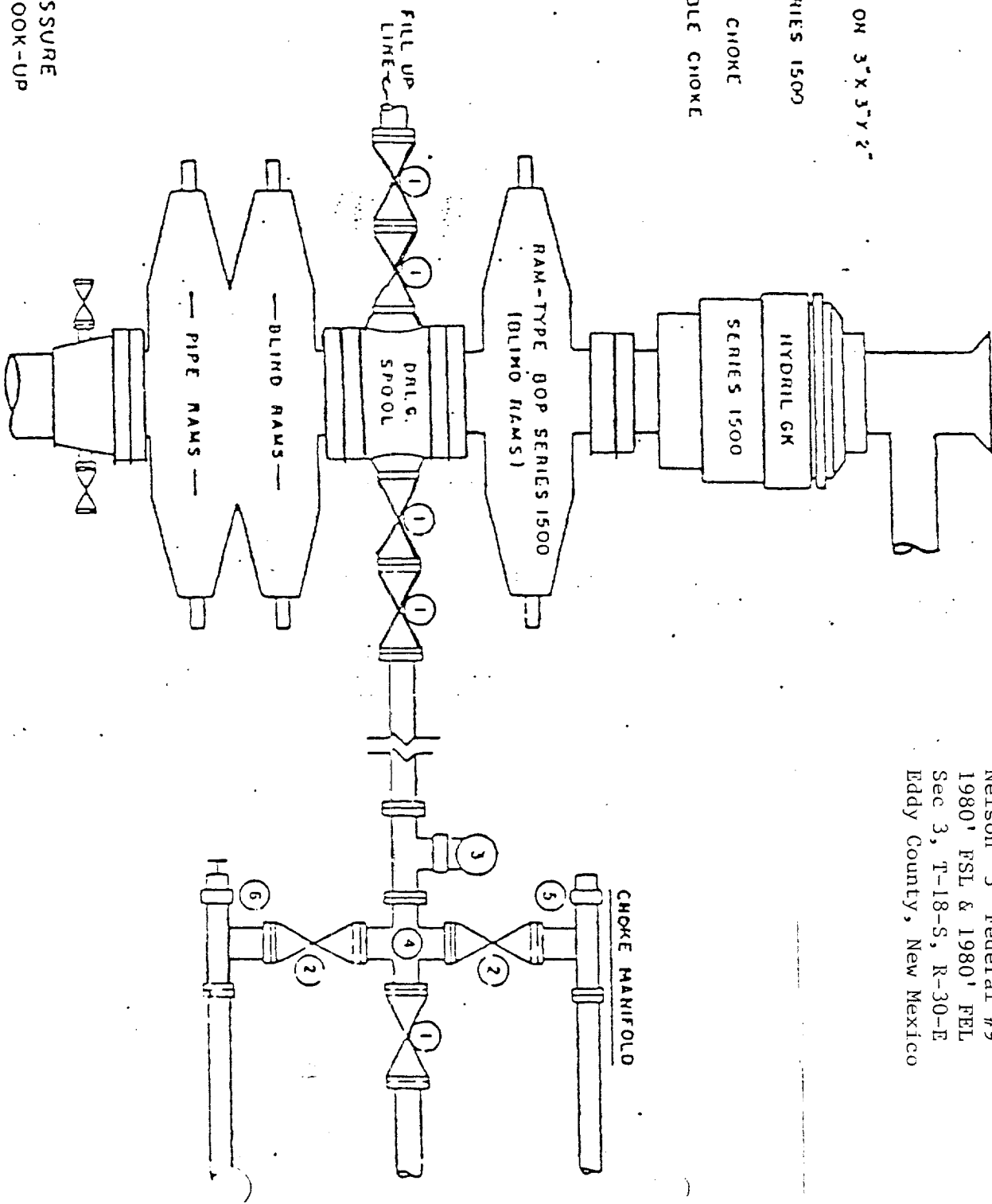
NO. 6689

Certified

EXHIBIT "D"

BOP Schematic
Nelson "3" Federal #9
1980' FSL & 1980' FEL
Sec 3, T-18-S, R-30-E
Eddy County, New Mexico

- ① 3" SERIES 1500 VALVE
- ② 2" SERIES 1500 VALVE
- ③ 2" MUD PRESSURE GAUGE ON 3" X 3" X 2" SERIES 1500 STEEL TEE
- ④ 3" SERIES 1500 X 2" SERIES 1500 STEEL CROSS
- ⑤ 2" SERIES 1500 POSITIVE CHOKE
- ⑥ 2" SERIES 1500 ADJUSTABLE CHOKE



5000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 1500 FLANGES OR BETTER)

Application for Drilling

BelNorth Petroleum Corporation
Nelson "3" Federal #9
1980' FSL & 1980' FEL
Sec 3, T-18-S, R-30-E
Eddy County, New Mexico

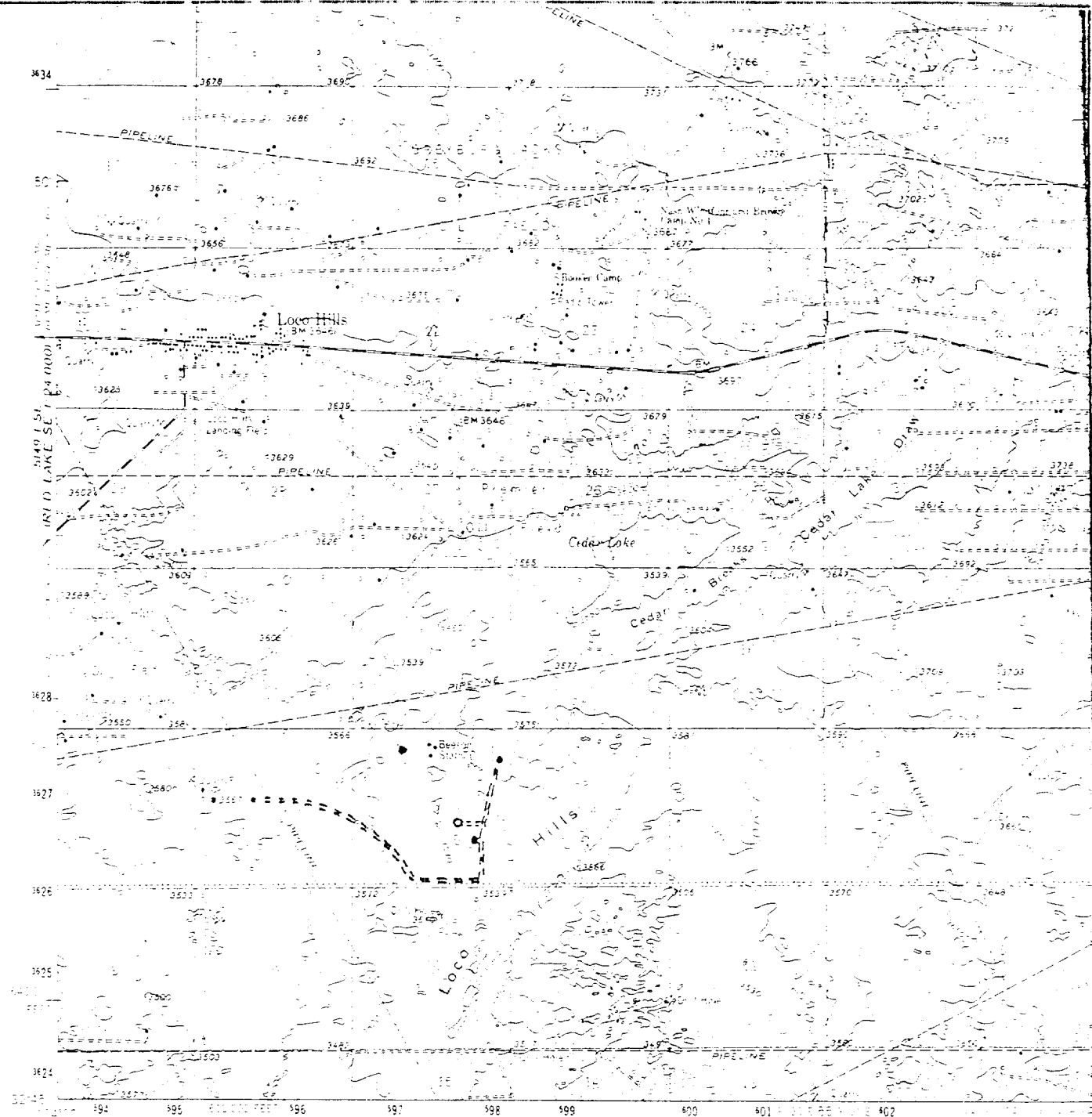
In conjunction with Form 9-331C, Application for Permit to Drill subject well, BelNorth Petroleum Corporation submits the following eleven items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Alluvium, mainly sand dunes.
2. The estimated tops of geologic markers are as follows:

Base of salt	1400'
Grayburg	2920'
San Andres	3350'
Abo	7960'
Wolfcamp	8650'
Strawn	10480'
Atoka	10800'
Lower Morrow Sand	11480'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are as follows:

Water -	Approximately 300'
Oil or gas -	Lovington 3560'
	Lower Morrow Sand 11480'
4. Proposed Casing Program: See Form 9-331C
5. Pressure Control Equipment: See Form 9-331C and Exhibit "D".
6. Mud Program: See Form 9-331C
7. Auxiliary Equipment: See Exhibit "D"
8. Testing, Logging and Coring Program:

Drill Stem Tests (as needed) in San Andres, Wolfcamp and Strawn	
Logging	Mud logging unit from 1200' to TD Electric Logging Program: Dual Laterolog-Micro SFL and Compensated Neutron Density from surface to TD.



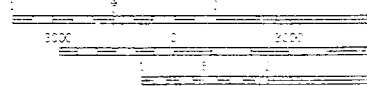
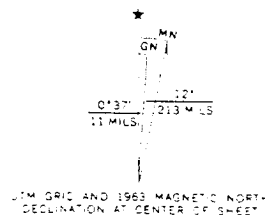
Mapped, edited, and published by the Geological Survey

Contract USGS and USGS

Planimetric, photogrammetric methods from aerial photographs taken 1957. Topographic by planimetric surveys 1963

Projected projection: 1927 North American datum
10,000 foot grid based on New Mexico coordinate system east zone
1000 meter intervals Transverse Mercator projection
zone 13 (containing)

To place on the predicted North American Datum 1983 move
the projection lines 8 meters south and 47 meters east

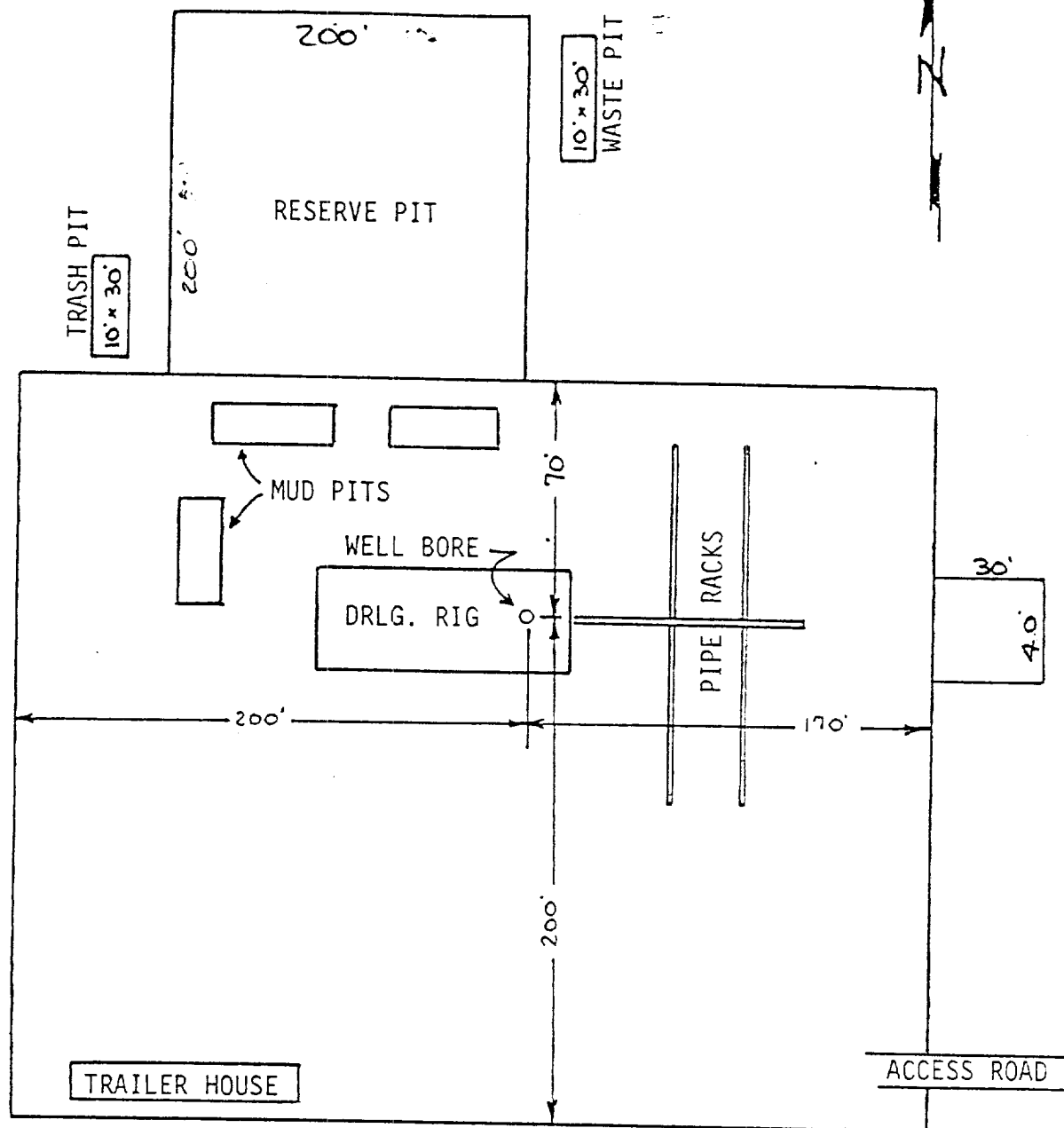


TM 5-1220-100

Topo Map
Maljamar Quadrangle
New Mexico
15 minute series
Contour Interval = 10 feet
Scale 1:62500

BelNorth Petroleum Corporation	
By:	Date:
LWH	9-20-84

Exhibit "C"
Nelson "3" Fed #9
1980' FSL & 1980' FEL
Sec 3, T-18-S, R-30-E
Eddy County, N.M.



Well Location Diagram
For Drilling Operations
Scale: None

BelNorth Petroleum Corporation	
By:	Date:
LWH	9-20-84

Exhibit "E"
Nelson "3" Fed #9
1980' FSL & 1980' FEL
Sec 3, T-18-S, R-30-E
Eddy County, N.M.