

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-015-21984
5. LEASE DESIGNATION AND SERIAL NO.

NM 14896

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal IB 8 com

9. WELL NO.

1 com

10. FIELD AND POOL, OR WILDCAT

Wildcat manau

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

Section 8, T21S-R23E

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

DEC 2 1976

SING
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BELCO PETROLEUM CORPORATION

O. C. C.

3. ADDRESS OF OPERATOR

ARTESIA, OFFICE

10,000 Old Katy Road - Suite 100, Houston, Texas 77055

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

At surface

1980' FNL, 1980' FWL *NOTE: This location may require

At proposed prod. zone

a 100' move to the east for topographic reasons.

SAME

Administrative exception from NMOC will be re-

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

quested

12. COUNTY OR PARISH

13. STATE

30 miles northwest of Carlsbad, New Mexico

Eddy

New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660'

16. NO. OF ACRES IN LEASE

400

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.

2200'

19. PROPOSED DEPTH

9,000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3994.5 ground

22. APPROX. DATE WORK WILL START*

November 15, 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	300	315 scs
12-1/4"	9-5/8"	36.0	2,300	950 scs
8-1/2"	5-1/2"	15.5 & 17.0	8,850	350 scs

BOP PROGRAM

13-3/8" Csg. 12" Hydril will be installed & tested to 1500 psi. Two inch divertor line w/1500 psi working pressure valve will be installed below Hydril.

9-5/8" Csg. 10" Rams & blinds w/Hydril. Hydraulic choke & manifold. BOP stack & choke manifold will be tested to 3000 psi. At 500s' a flow-show & gas separator will be installed. A set of PVT's will be used on steel mud pits.

Depth	MW	WL	Type
0 - 300'	8.5-3.7	NC	Spud
300 - 2,300'	8.4-3.5	NC	Water
2,300 - 8,000'	8.4-3.9	NC	Water
8,000 - 9,000'	8.8-3.2	5-10	Non-dispersed

GAS IS NOT DEDICATED.

RECEIVED

OCT 21 1976

U. S. GEOLOGICAL SURVEY
ARTESIA, 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

TITLE Administrative Geologist

DATE Oct. 12, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES MAR - 1 1977DECLARED WATER BASIN
13 3/8" DATE
CEMENT BEHIND THE
CASING MUST BE CIRCULATED

WITNESS CEMENTING THE 9 5/8" CASING.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION AT

Form C-102
 Supersedes C-128
 Effective 1-1-65

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 OCT 21 1976
 U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

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

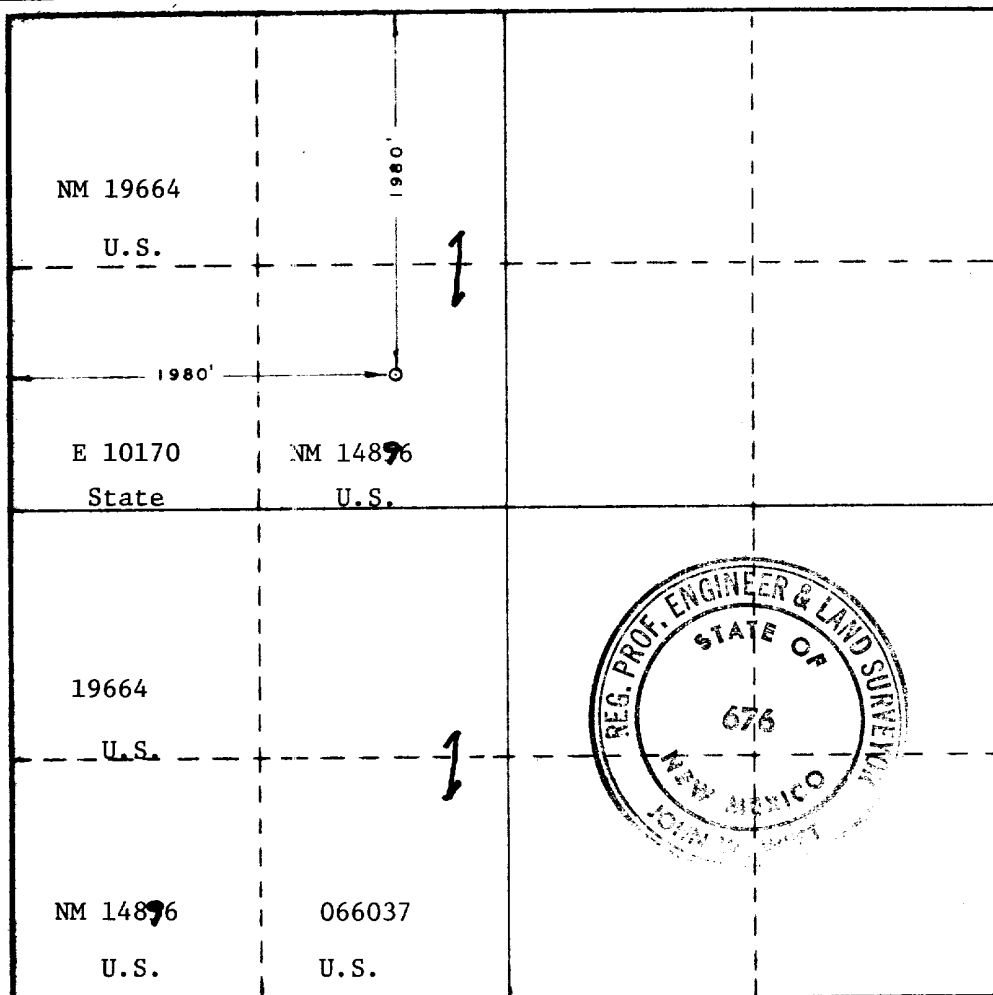
Operator BELCO PETROLEUM CORP.			Lease I B Federal 18			Well No. 1		
Unit Letter F	Section 8	Township 21 South	Range 23 East	County Eddy				
Actual Footage Location of Well: 1980 feet from the west line and 1980 feet from the north line								
Ground Level Elev. 3994.5	Producing Formation Wildcat		Pool Wildcat		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 Communitization

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 Lee G. Nering
 Position Administrative Geologist
 Company BELCO PETROLEUM CORPORATION
 Date October 12, 1976

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 Sept. 26, 1976
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. **676**



GEOLOGICAL INFORMATION

BELCO FEDERAL IB 8-1

Section 8, T21S - R23E

Eddy County, New Mexico

The surface at the location is composed of the Permian Grayburg Formation, a sandy carbonate rock.

The following formation depths are anticipated:

San Andres:	450'
3rd Bone Spring:	4900'
Wolfcamp:	5400'
Penn Carbonate:	6950'
Morrow:	8600'
Barnett:	8850'

1. Ram-type blowout preventors and related control equipment shall be tested with the drilling fluid in use to the rated pressure of the stack assembly, with the exception of the Hydril which shall be tested to 70% of the rated working pressure - 10 minutes per test. They shall be tested:

- a. When installed and prior to drilling out after each string of casing is set
- b. Not less than once each fourteen days from each of the control stations
- c. Following repairs that require disconnecting a pressure seal in the assembly

2. When drillpipe is in use, pipe rams shall be actuated to test proper functioning daily. The Hydril shall be actuated on the drillpipe once each fourteen days.

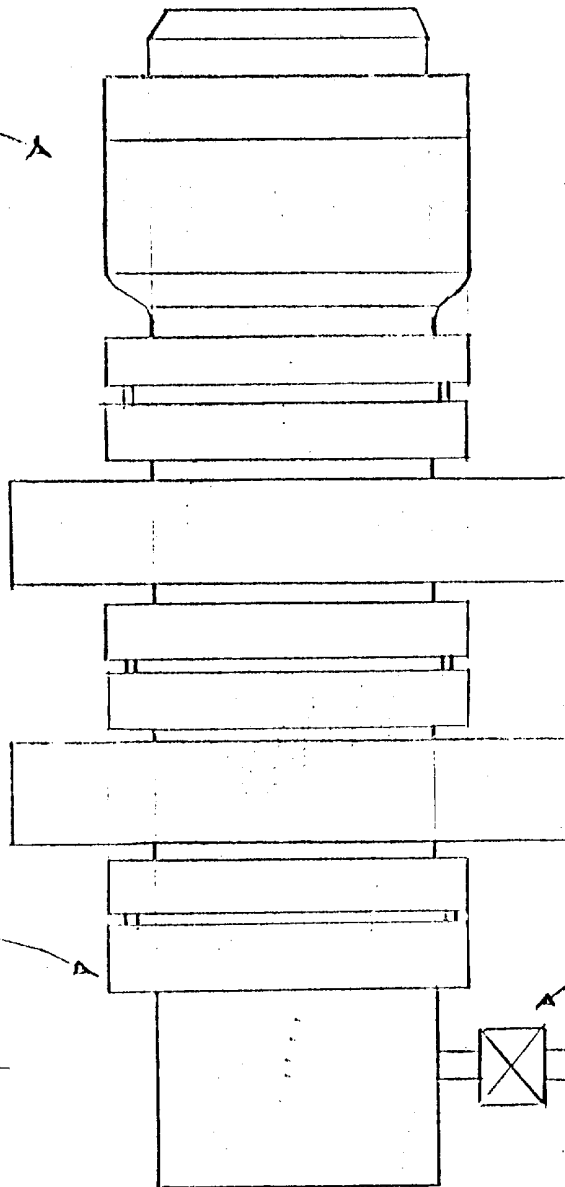
3. A blowout prevention drill shall be conducted every fourteen days for each drilling crew.

Hydril
10" Series 1500
Annular Top

Pipe Rams
10" Series 1500 BOP

Blind Rams
10" Series 1500 BOP

9 5/8 Series 1500
w/ 10" Series
1500 Top Flange



GATE OR Plug
VALVE - 5000#
CWP

SURFACE USE PLAN
BELCO PETROLEUM CORPORATION
FEDERAL IB 8-1 COM.
1980' FNL, 1980' FWL, Sec. 8, T21S-R23E*Note(p.2)
Eddy County, New Mexico
Lease: New Mexico 14896

The proposed wellsite is located approximately thirty miles northwest of Carlsbad, New Mexico, and can be reached by exiting from U.S. 285 twelve miles north of Carlsbad on to State 137, and proceeding 15.5 miles west to turnoff. The location is then 3.5 miles[±] north on access road, as shown on Exhibit "A".

1. EXISTING ROADS: Access and existing roads are shown on Exhibit "A", USGS quadrangle map, Bandanna Point, scale 1:62,500. In addition, Exhibit "B" also illustrates access. Exhibit "B" is a composite of an enlarged portion of Bandanna Point quadrangle spliced to USGS topographic quadrangles Box Canyon Ranch and Foster Ranch with a uniform scale of 1:24,000. Existing roads are also shown on Exhibit "C", a plat of the lease at a scale of 1" = 500'.

Belco plans to repair and maintain an existing entry caliche road (see Exhibit "B"), which extends 3/4 mile northeastward from an existing, maintained, good condition caliche road which connects to State 137, as illustrated by Exhibit "B".

2. PROPOSED ROAD: A proposed 1600[±] road is shown on Exhibits "A", "B" and "C" which will serve as entry to the drillsite.

Length and Width: Approximately 1600' of 20' sub-grade under 12' width roadway.

Surfacing Material: New road will be surfaced with six inches of compact caliche derived from an existing open pit 1/2 mile east of the proposed location.

Cut and Fill: None required with 100' location move.

Culverts: None required.

Cattleguards, Gates, etc.: None are planned at this time.

3. EXISTING WELLS: This proposed wildcat gas well location is on the north end of an existing gas field having numerous wells, as shown by Exhibit "B". Nearby dry holes are also shown on Exhibit "B". Nearest comparable well is a current Belco well approximately one mile west of the proposed location.

4. PRODUCTION, GATHERING, TREATING AND STORAGE FACILITIES:

Tank Battery: Tank battery site as shown on Exhibit "D" in the event of a successful well.

Flow Lines: Proposed flow lines are shown on Exhibit "D".

5. WATER SUPPLY: Drilling water will be hauled to the proposed wellsite from commercial supplies on State 137 5.5 miles and 17 miles distant from the location.

6. SOURCE OF CONSTRUCTION MATERIALS: Caliche for surfacing the proposed road and wellsite pad will be obtained from an existing open pit in the NWSE/4 Section 8, T21S-R23E.

7. METHODS OF HANDLING WASTE DISPOSAL:

Drill cuttings will be disposed of in the drilling pits.

Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

Any produced water will be collected in tanks until hauled away. Any oil produced during tests will be stored in test tanks until sold.

Trash containers will be provided around the drilling rig during drilling and completion procedures. Trash, waste paper, garbage, and junk will be buried in a separate trash pit as shown on Exhibit "D", and covered with a minimum of 24

8. ANCILLARY FACILITIES: No camps, airstrips, etc. will be constructed.
9. WELLSITE LAYOUT: Exhibit "D" shows the dimensions and the relative locations of the well pad, mud pits, reserve pit, and trash pit with respect to the well.

Mat Size: 350' x 230'

Cut and Fill: The proposed drillsite pad should not require much leveling with a move of 100 feet east, as noted above.

Surfaced: The base will be surfaced by 6 inches of compact caliche.

Reserve Pit: 155' x 125' pit lined with plastic.

Cleared Buffer Area: No buffer area is to be cleared; however, area around well mat may be used for turn-around and/or storage.

10. PLANS FOR RESTORATION OF THE SURFACE: After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk as soon as practical or buried with at least 24" of cover. Any unguarded pits containing fluids will be fenced until they are filled. After abandonment of the well, the well pad and all unneeded access roads will be ripped to promote revegetation.

11. OTHER INFORMATION:

Topography: Land surface consists of carbonate hill and valley relief.

Soil: Sandy lime underlain by some caliche.

Vegetation: Native grasses, greasewood, sage, some mesquite and some yucca.

Wildlife: None observed.

Ponds and Streams: None present in immediate vicinity of drillsite.

Residences and Other Structures: There are no occupied dwellings within 1/2 mile.

Water Wells: A very low volume (2 - 3 gpm) well is at the Tatman Ranch, one mile west.

Land Use: Sparse grazing and hunting.

Surface Ownership: The east 1/2 of the NW/4 of Section 8 has a surface grazing lease issued by the BLM to F. M. Lee, P. O. Box 284, Lakewood, New Mexico 88254.

Well Sign: Sign identifying and locating well will be maintained at drillsite commencing with the spudding of the well.

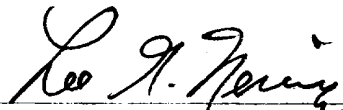
12. OPERATOR'S REPRESENTATIVE: Field personnel who can be contacted concerning compliance of this Surface Use Plan consists of:

Ray Belden, 411 Petroleum Building, Midland, Tex-s 79701 - Phone: (915) 683-6366








*NOTE Since the drillsite may receive fill on the western side of the pad, a move of 100' eastward will eliminate this condition. In this event, Belco will request administrative exception, for topographic reasons, to NMOCC Spacing Rule 104, which will be violated by an unauthorized move of 100'.

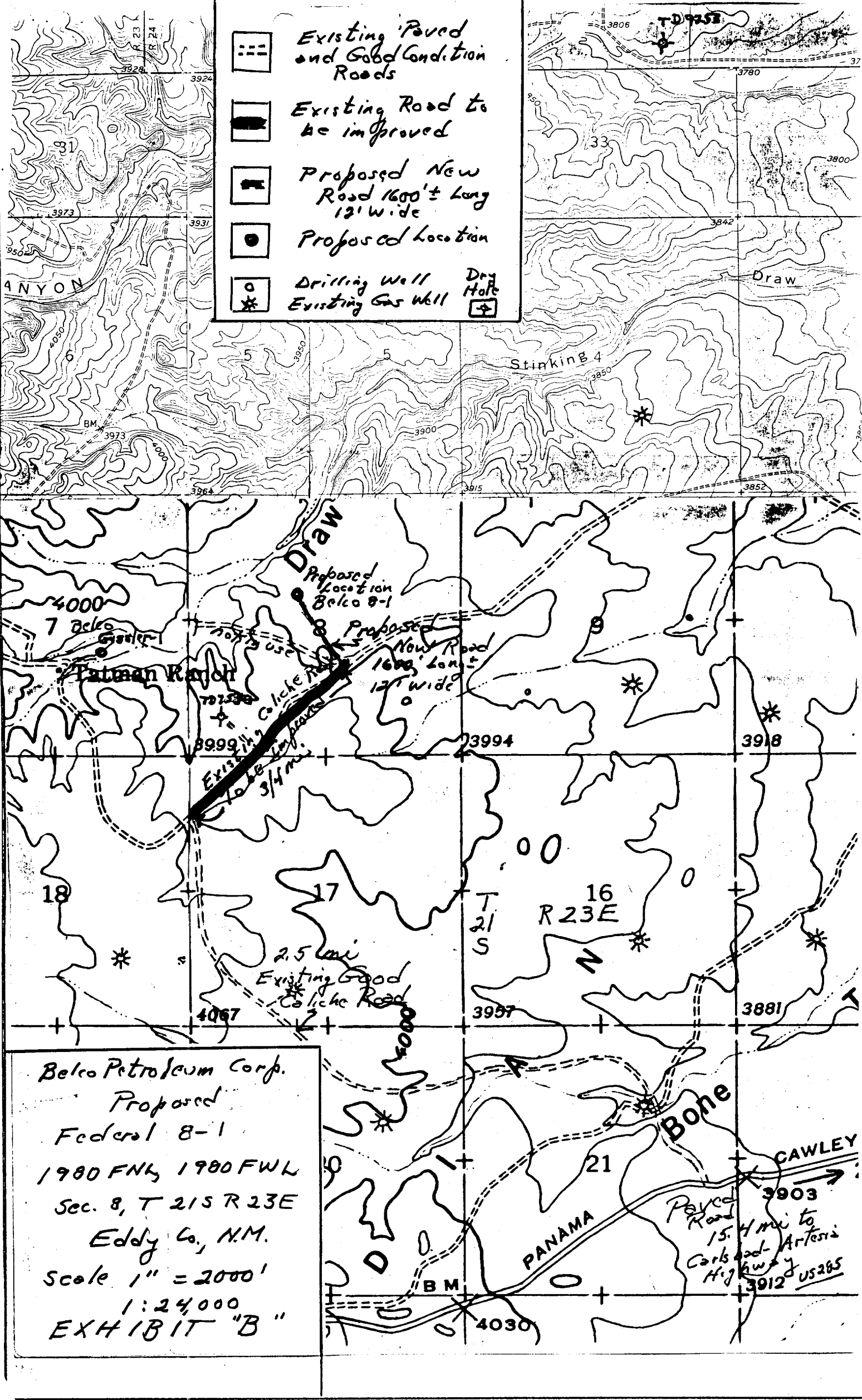
13: CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plat are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by BELCO PETROLEUM CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and sub-contractors.



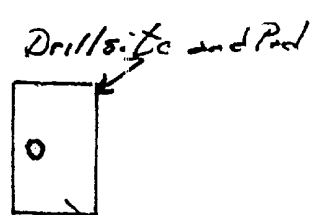
Lee G. Nering
Administrative Geologist
BELCO PETROLEUM CORPORATION
Houston, Texas

-  Existing Paved and Good Condition Roads
-  Existing Road to be improved
-  Proposed New Road 1600'± Long 12' wide
-  Proposed Location
-  Drilling Well Dry Hole
-  Existing Gas Well 



Belco Petroleum Corp.
 Proposed
 Federal 8-1
 1980 FNL, 1980 FWL
 Sec. 8, T 21 S R 23 E
 Eddy Co., N.M.
 Scale 1" = 2000'
 1:24,000
 EXHIBIT "B"

Paved Road
 15.4 mi to
 Carlsbad-
 Highway
 3912 US 285



Proposed
1500' ± Long
Road
12' wide

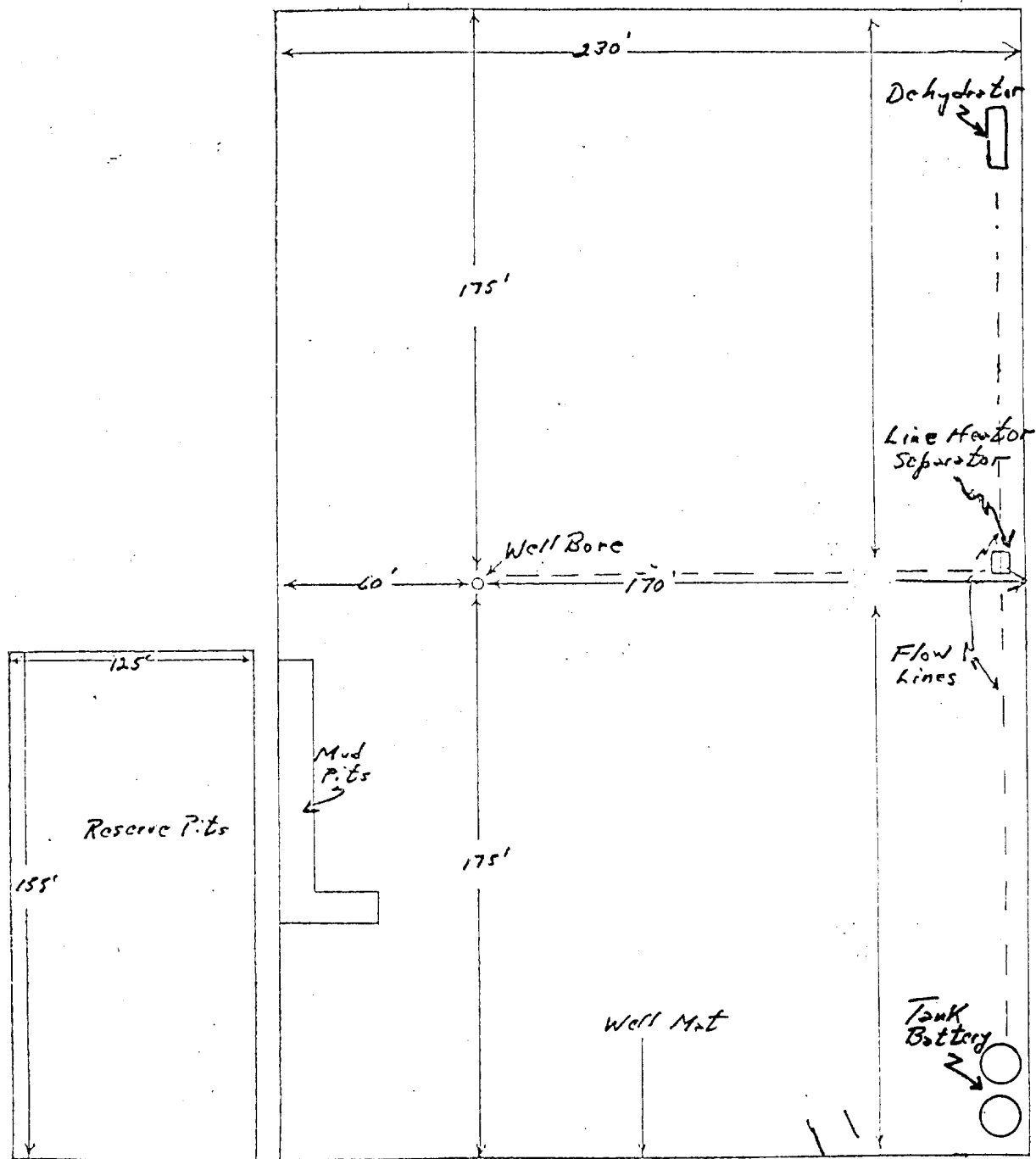
3/4 mi Existing caliche Road
to be improved

NM 14896

US

EXHIBIT "C"
Proposed
Belco Petroleum Corp
Federal IB 8-1
1980' FWL 1980' FWL
Section 8 T21S R23E
Eddy Co., NM.

Scale 1"=50'



Trash Pits

EXHIBIT "D"

Scale 1" = 50'

Proposed

Becco Petroleum Corp

Federal IB 8-1

1980' FWL, 1980' FNL

Section 8, T21SR23E

Eddy Co., N.M.

175'
175'
95'