

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-015-21101

5. LEASE DESIGNATION AND SERIAL NO.
NM-0515574-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ENRIQUEZ FED. GAS Co

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
BLACK RIVER PENN

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
8-24-27 NMPM

12. COUNTY OR PARISH
EDDY

13. STATE
N.M.

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. NAME OF WELL
WELL ☐ GAS WELL ☒ OTHER ☐

3. NAME OF OPERATOR
Arco Production Company

4. ADDRESS OF OPERATOR
Box 68, HOBBS, N. M. 88240

5. DATE OF APPLICATION
FEB 19 1974

6. LOCATION OF WELL (Report location clearly and in accordance with any State Requirements.)
1980 FNL x 990 FWL Sec. 8, T-24S R. 27-E
(UNIT E, SW/4 NW/4)

7. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
4 APPX 12.5 MILES SOUTH OF CARLSBAD N.M.

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
ARTESIA, OFFICE

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

10. ELEVATIONS (Show whether DF, RT, GR, etc.)
NYA

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"	400'	Circ.
12 1/4"	8 7/8 - 9 5/8"	24-32, 36-40"	5750'	1900 S. (BASE OF SALT)
7 7/8 - 8 3/4"	5 1/2"	17-20"	12350'	FILL 700' ABOVE UPPER MOST PAY

After drilling well logs shall be run and evaluations made perferatory and arstimulating as necessary in attaining commercial production.

MUD PROGRAM - 0 - 400' WATER & NATIVE MUD
400' - 5750' BRINE & "
5750' - 9200' WATER & "
9200' - TD POTASH BRINE - FRESH MIXTURE
THRU MORROW FORMATION ARTESIAN Fluid Loss

RECEIVED
FEB 5 1974
GEOLOGICAL SURVEY
NEW MEXICO

BOP - SEE ATTACHED

DEEP WELL CONTROL REQUIREMENTS SHALL BE APPLIED.

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 prevention program, if any.

24.

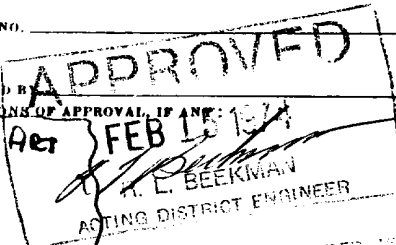
SIGNED _____ TITLE AREA ENGINEER DATE FEB 4 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:



Subject to Approval of a Community Agreement for this production unit prior to producing to well.

*See Instructions On Reverse Side

THIS APPROVAL IS VALID FOR OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
MAY 15 1974

REQUIREMENTS DATED JUN 22 1973

DECLARED WATER BASIN

CEMENT BEHIND THE CASING MUST BE CIRCUMFERENTIAL

- 6-5 UGS-AR
- 1- UIR
- 1- SUSP
- 1- KRY
- 1- EPNG
- 1- PHILLIPS

NEW MEXICO CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes Form 8
Effective 1-1-74

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

PRODUCTION COMPANY

ENRIQUES FEDERAL GAS COM

1

8

24 SOUTH

27 EAST

EDDY

NORTH

990

WEST

NORROW

BLACK RIVER PENN

320

Indicate 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 well and acreage).

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 if necessary.)

How will the acreage 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?

NM-0515574-A

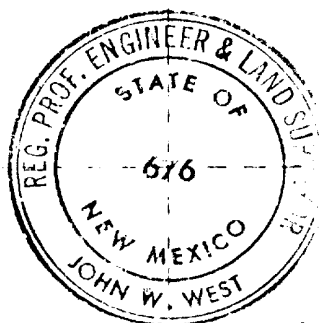
PHILLIPS
160 Acres

1980

EL PASO N G Co

NM-05155574
120 Acres

MINNIE RICE GRAL
40 Acres



CERTIFICATION

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

AREA ENGINEER

Amoco Production Company

FEB 4 1974

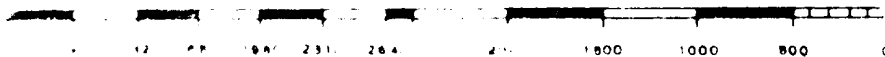
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

FEBRUARY 2, 1974

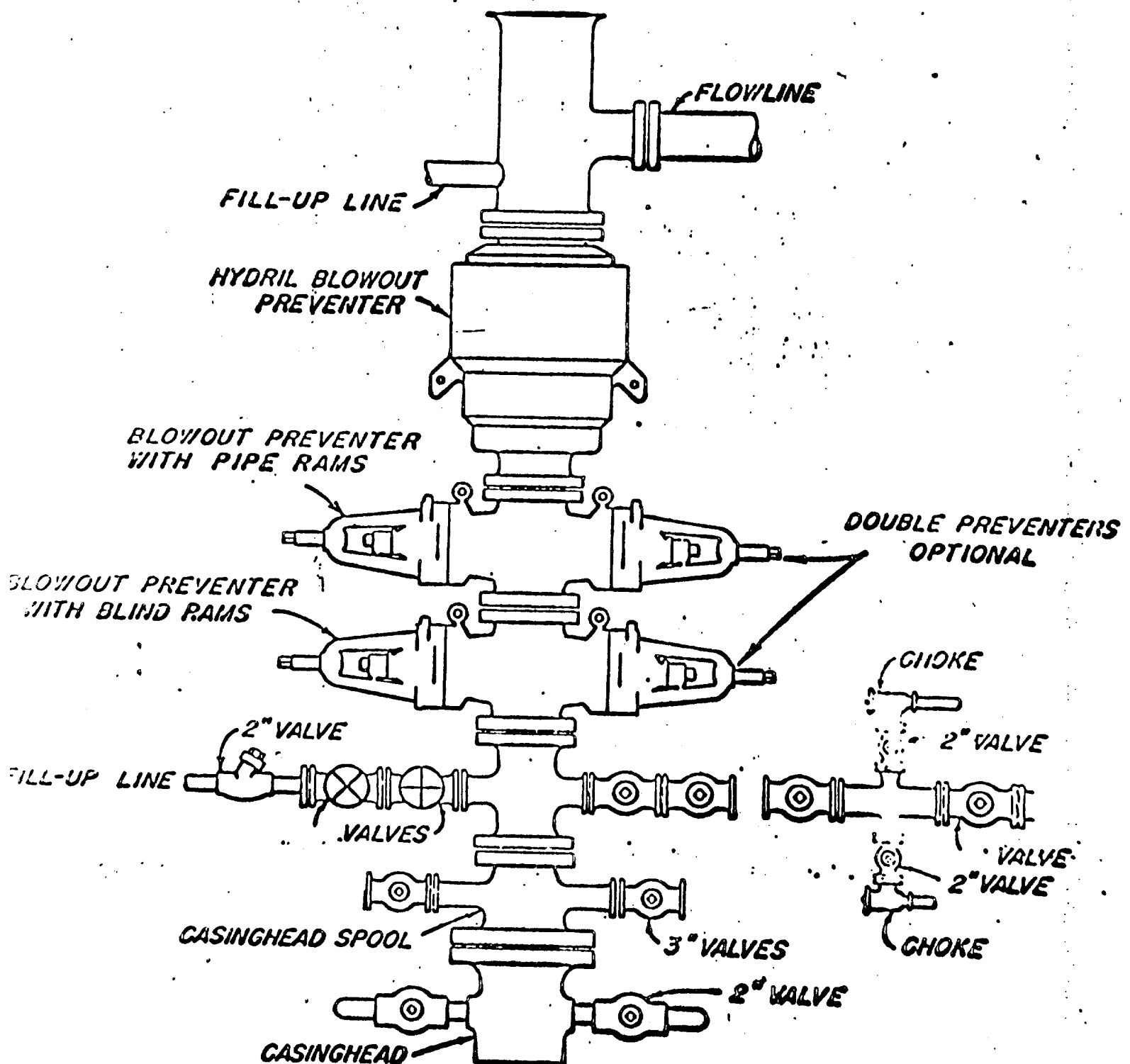
Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. 676



BLOWOUT PREVENTER HOOK-UP FOR DRILLING BELOW INTERMEDIATE CASING

1. BLOWOUT PREVENTERS AND MASTER VALVE TO BE FLUID OPERATED AND ALL FITTINGS MUST BE IN GOOD CONDITION (MINIMUM: WP - 3000 PSI, TEST - 6000 PSI).
2. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS THE INSIDE DIAMETER OF CASING THAT IS BEING DRILLED THROUGH.
3. KELLY COCK REQUIRED (MINIMUM: 3000 PSI WP, 6000 PSI TEST)
4. OMSCO OR COMPARABLE SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. (MINIMUM: 3000 PSI WP, 6000 PSI TEST)



LEASE & WELL NUMBER ENRIQUEZ FEDERAL GAS Com #1
LOCATION 1980' ENLY 990' FWL SEC. 8, T. 24-S, R. 27-E

PROPOSED DEVELOPMENT PLAN FOR SURFACE USE.

1. Existing roads including location of exit from main highway.
(SEE ATTACHED MAP)
2. Planned access roads.
(SEE ATTACHED MAP)
3. Location of existing wells
(SEE ATTACHED MAP)
4. Lateral roads to well locations
(SEE ATTACHED MAP)
5. Location of Tank Batteries & Flow Lines.
(SEE ATTACHED MAP)
6. Location and type of water supply.
☒ Water to be hauled
☒ Piped from LAIYD OWNER WATER WELL - APPX 1/2 MILE DISTANCE
7. Methods for handling waste disposal
All waste material will be pitted, burned, buried or hauled from location. Suitable trash pits or containers will be provided at location for containment.
8. & 9. Location of camps and airstrips.
☐ None ☒ SEE ATTACHED MAP
10. Location of layout to include position of rig, mud pits, reserve pits, burn pits, pipe racks, etc.
Rig Layout, etc. (SEE ATTACHED)
Drilling Pad ☒ QUICHE Compacted ☐ Surfaced
11. Plans for restoration of Surface
☒ Producing well - all pits to be cut, filled and levelled.
☒ Dry hole - all pits to be cut, filled and complete location cleaned and levelled.
12. Other information that may be used in evaluating the impact on environment.
HOUSE & FARM APPX 1/2 MILE

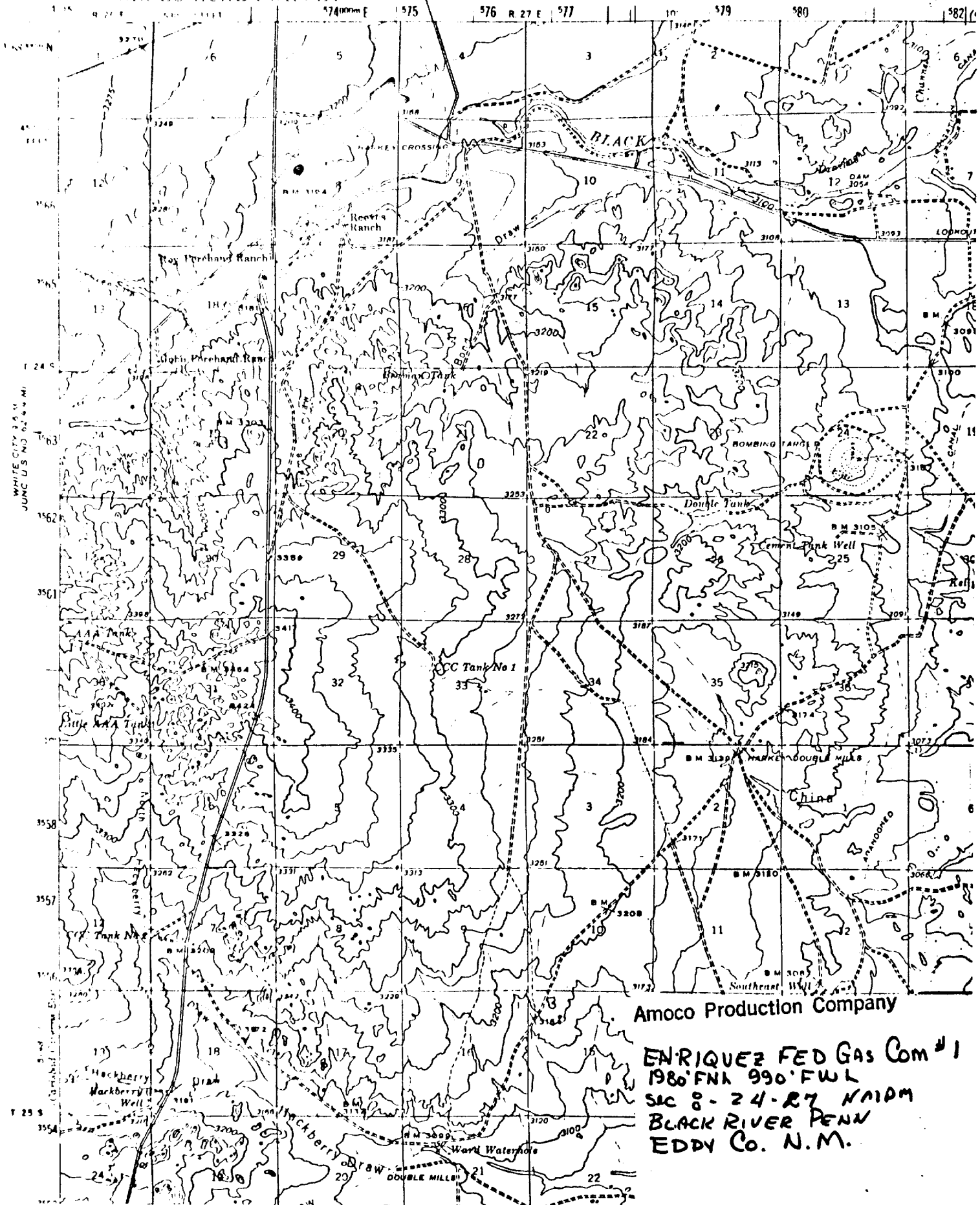
Field personnel responsible for compliance of Development Plan for Surface Use.

OR WILLIAMS. AREA FOREMAN

FIELD FOREMEN: M. L. CLAIBORNE
D. E. TAYLOR
D. C. PEURIFOY

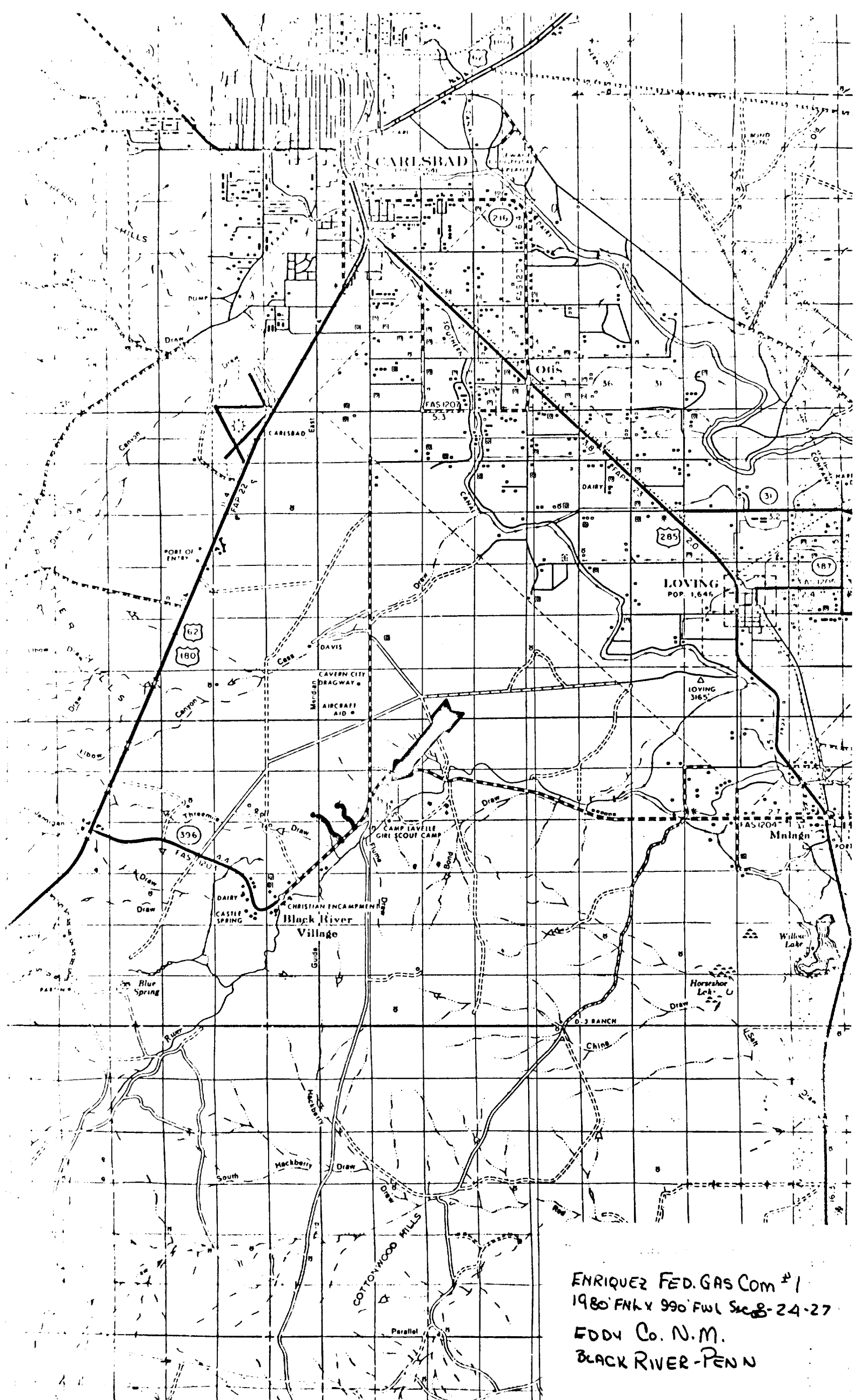
UNITED STATES
DEPARTMENT OF THE INTERIOR
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LOVING 7.7 MI



Amoco Production Company

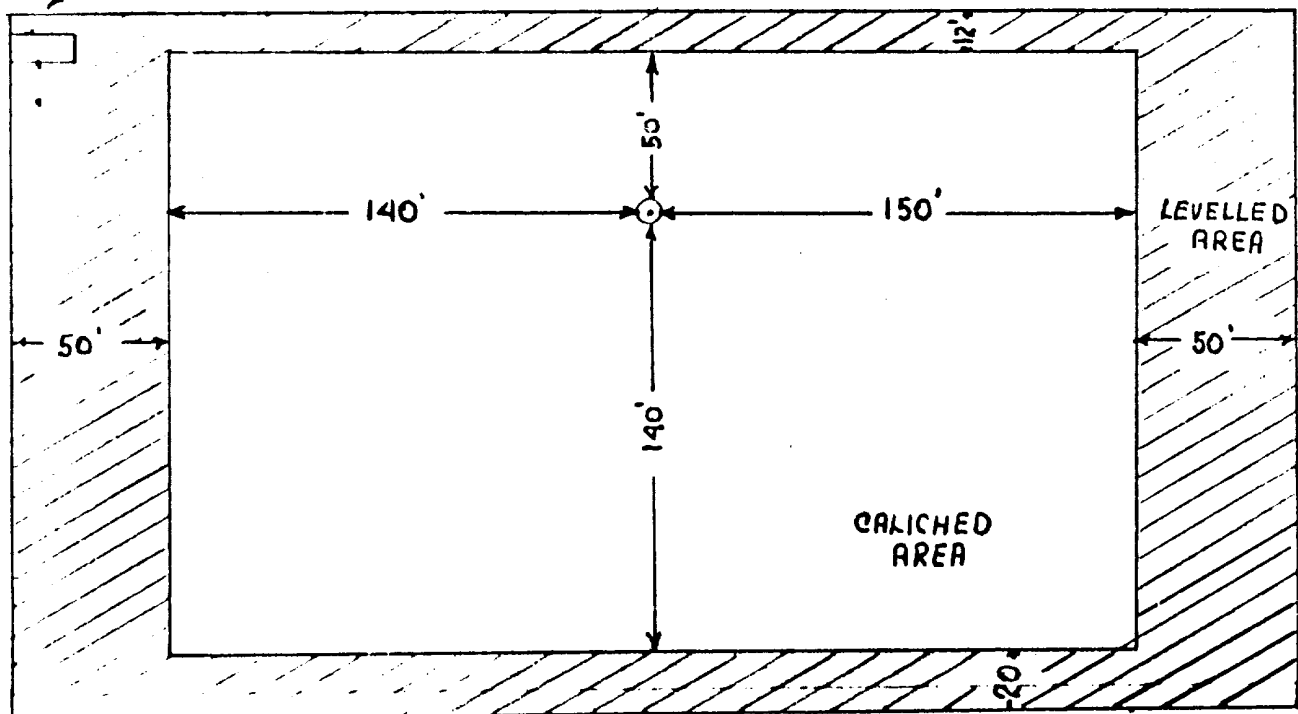
ENRIQUEZ FED Gas Com #1
1980' FNA 990' FWL
SEC 8-24-27 NADIM
BLACK RIVER PENN
EDDY Co. N.M.



ENRIQUEZ FED. GAS Com #1
1980 FNLX 990 FWL Sec 8-24-27
EDDY Co. N.M.
BLACK RIVER-PENN

DRILL SITE DIMENSIONS MEDIUM DEEP WELL (8000'-14000')*

TRASH PIT
 8' x 20' x 6'



CELLAR SIZES:

5' x 5' x 4' - 2 CASING STRINGS (0-6000')
 7' x 7' x 6' - 3 " "
 8' x 8' x 8' - 4 " "

*-SITE SIZE FOR PRACTICALLY ALL MORROW WELLS.
 -WELLS DEEPER THAN 14,000' WILL REQUIRE SPECIAL HANDLING
 ON SIZING DRILL SITE

Amoco Production Company

SCALE: 1" = 60'

ENRIQUEZ FEDERAL GAS COM #1 (E-8-24-27)
 BLACK RIVER PENN GAS POOL. EDDY Co. N.M.

DRG.
 NO.

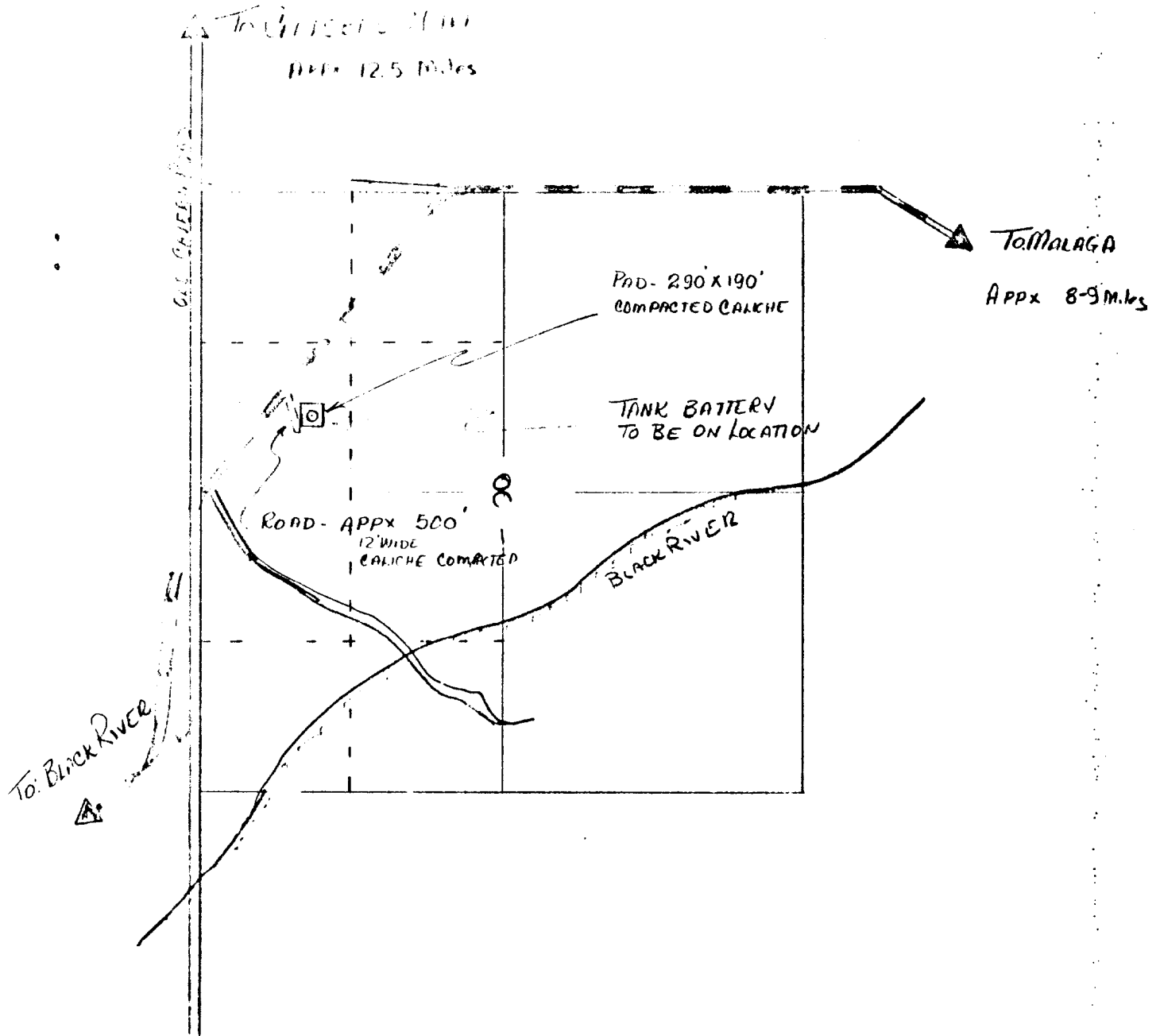
174

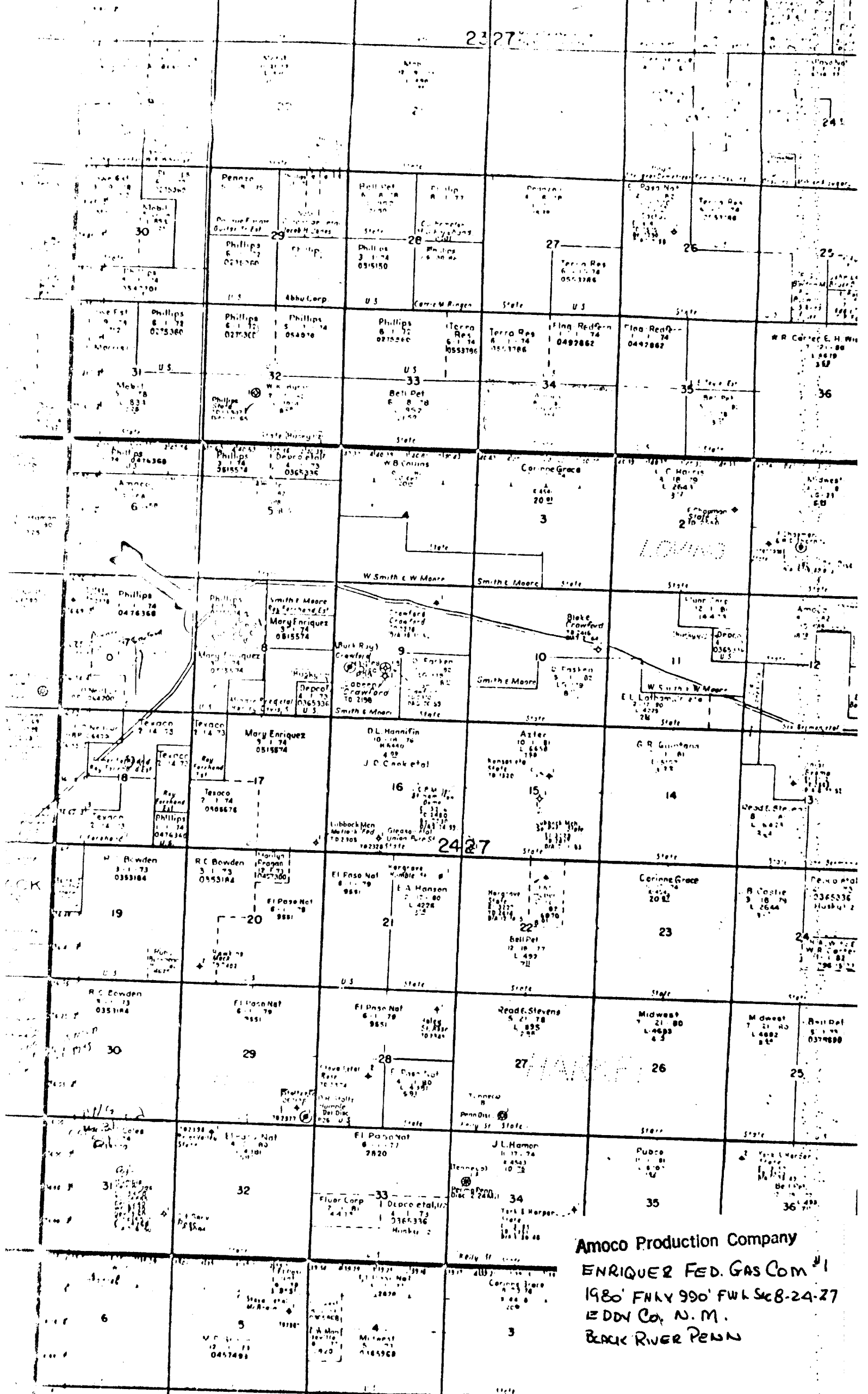
Amoco Production Company

ENGINEERING CHART

SHEET NO. _____ OF _____
FILE _____
APPN _____
DATE _____
BY _____

SUBJECT *ENRIQUEZ FEDERAL GAS COM #1*
1980' FWL X 990' FWL SEC 8, T-24S, R-27E.





Amoco Production Company
ENRIQUEZ FED. GAS COM #1
1980' FNLV 990' FWL Sec 8-24-27
EDDY Co. N. M.
BLACK RIVER PENN