

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Shell Oil Company (Rocky Mountain Division Production)

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

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

At surface

950' FNL and 1500' FNL Sec 8

At proposed prod. zone

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

22 miles south of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

950'

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

5000'

16. NO. OF ACRES IN LEASE

1440.5

19. PROPOSED DEPTH

6010'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

120

20. ROTARY OR CABLE TOOLS

Rotary

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

6330 GL

22. APPROX. DATE WORK WILL START*

OGR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Letter to UEGC attaching Development Plan for 3fc Use w/Supplemental
Plans and Maps.

Vicinity map of location and drilling prognosis enclosed.

Please forward two copies approved to:

Oil and Gas Conservation Commission w/attachments

1000 Rio Bravo Road

Altec, New Mexico 87410

Attention Mr. E. C. Arnold, Super. & Oil and Gas Inspector

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

E. M. JORDAN

TITLE

Division Operations Mgr.

DATE

May 10, 1973

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

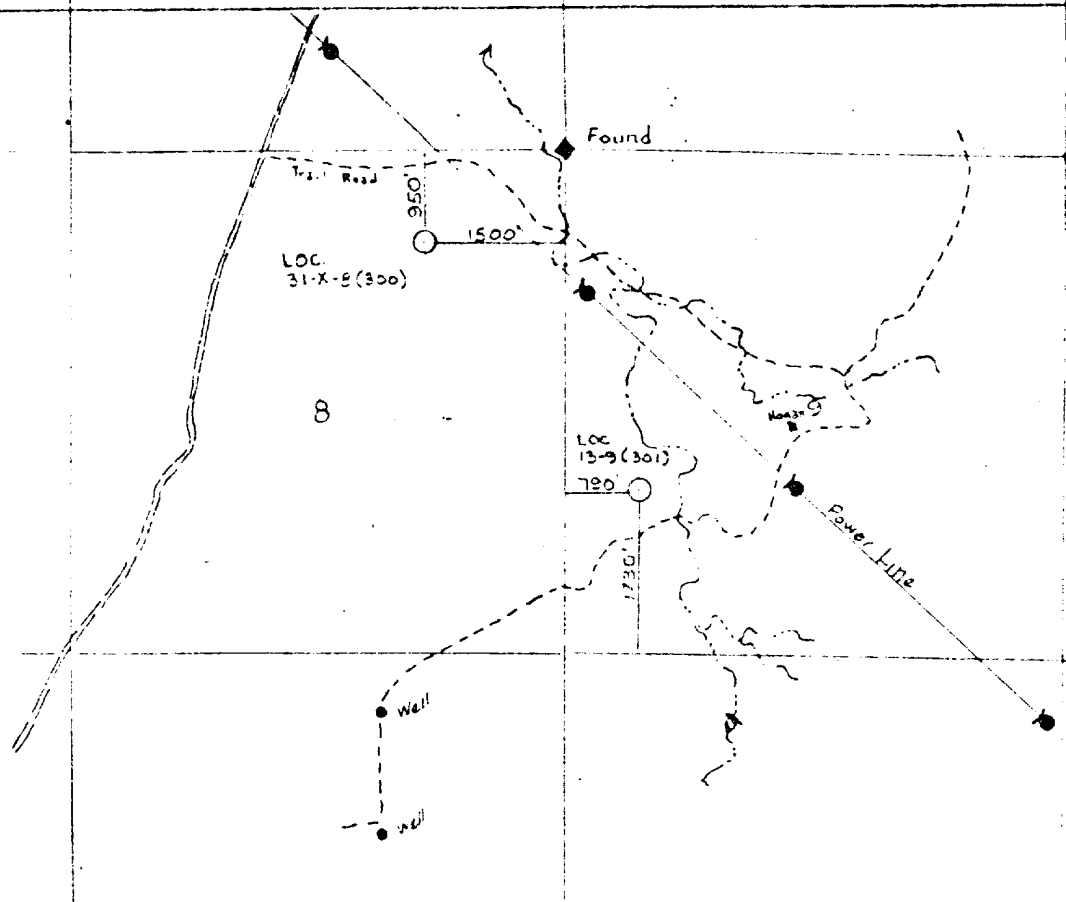
Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-398

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R11W



VICINITY MAP FOR
SHELL OIL COMPANY
Showing
Well Locations in Sections
8 & 9, T25N, R11W, N.M.P.M.,
San Juan County, New Mexico
Scale: 1" = 2000' Date: 5 May, 1973

DRILLING WELL PROGNOSIS

WELL NAME MUDGE 31X-8
 TYPE WELL DEVELOPMENT
 FIELD/AREA BASIN DAKOTA (DIST)

APPROX. LOCATION (SUBJECT TO SURVEY) 950' ENL & 1,500' EEL, Sec. 8-T25N-R11W, San Juan
County, New Mexico

EST. G.L. ELEVATION 6,348' PROJECTED TD 6,010' OBJECTIVE Dakota "B" Sandstone

OLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
2 1/4"	8 5/8"		1°	Base of Ojo Alamo 435' (+5925) 500'	SAMPLES: 30' - Surface to 1,200' 10' - 1,200' to TD
7/8"		DIL/SP CNL-FDC/GR/Caliper		Pictured Cliffs 1,285' (+5075) Mancos 3,980' (+2380') Gallup 4,880' (+1,430') Greenhorn 5,670' (+690') Dakota "A" 5,760' (+600') Dakota "B" 5,835' (+525') T.D. 6,010' (+350')	CORES: None DST'S: None DEVIATION CONTROL Rate of change not to exceed 1 1/2°/100'. Max deviation not to exceed 1°/1,000'/ CEMENT 8 5/8" circulate to surface, WOC 12 hours min. Prod string; casing and cmt prog- nosis provided later. MUD Surface - 4700± Water 4700' - TD Nondispersed low solids Wt - 8.6 to 9.0#/gallon Vis - 30 to 33 sec/qt WL - 8 to 10 cc

ORIGINATOR: KCS JHC pr DATE 4-13-73

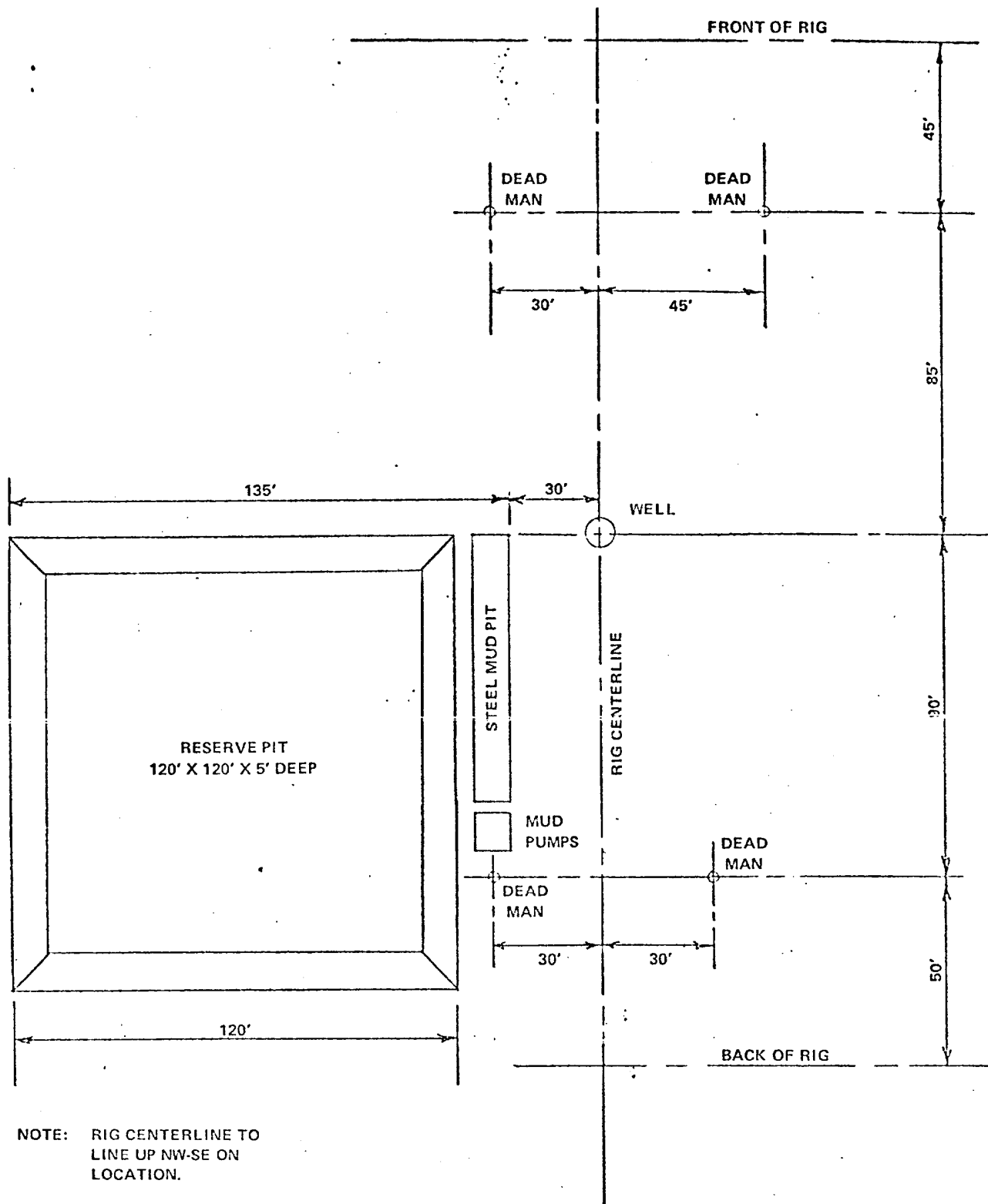
ENGINEERING APPROVAL:

PETROLEUM

7a Wise 4/11/73

OPERATIONS APPROVAL:

10/11/73 41



COLEMAN-ANDRES RIG NO. 1
DRILLING RIG REQUIREMENTS

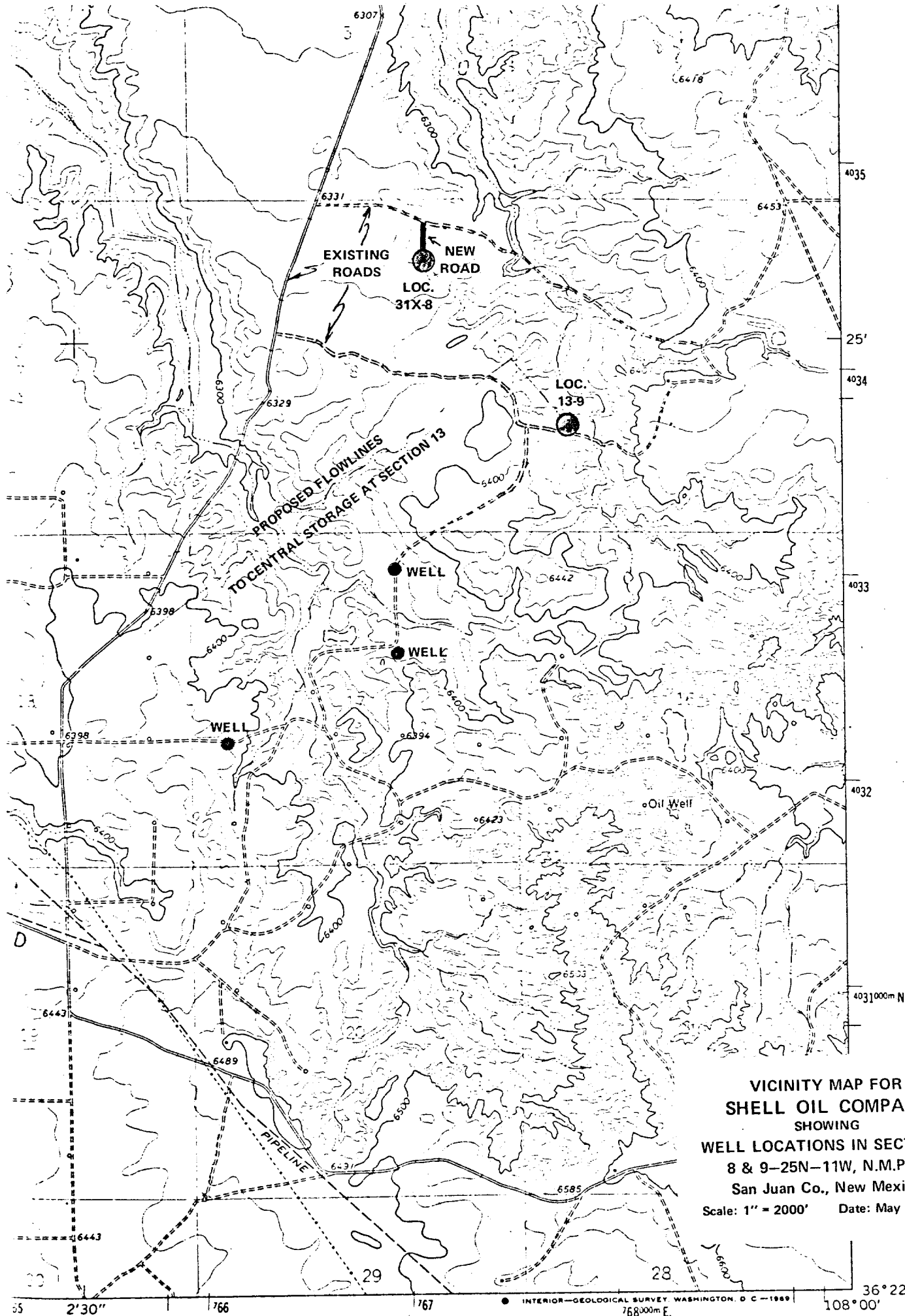
DRAWN BY H. D. KIDD

CHECKED BY

SHELL OIL COMPANY
ROCKY MOUNTAIN DIVISION

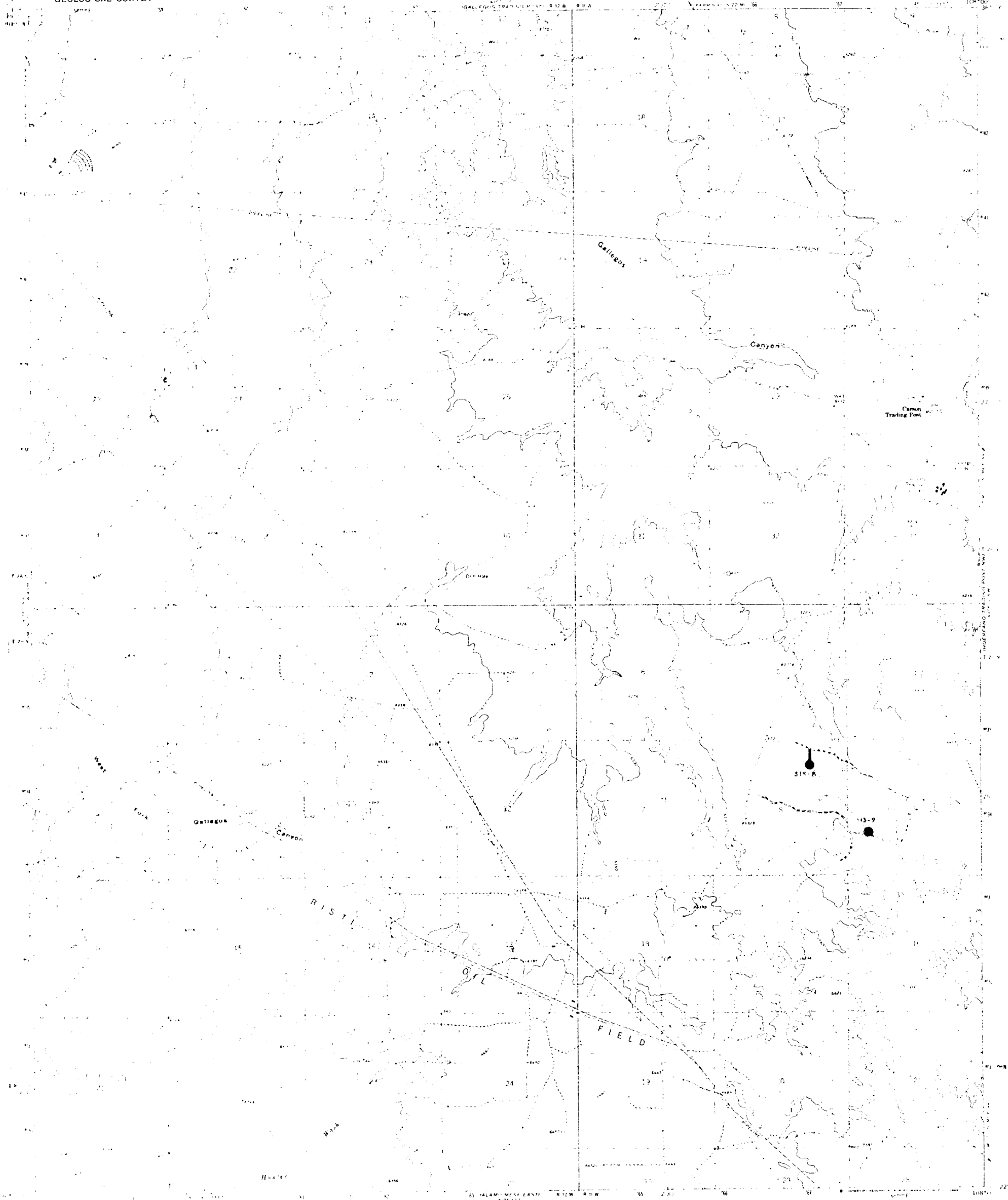
SCALE NONE

APPR. BY



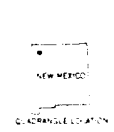
VICINITY MAP FOR
SHELL OIL COMPANY
SHOWING
WELL LOCATIONS IN SECTIONS
8 & 9-25N-11W, N.M.P.M.,
San Juan Co., New Mexico
Scale: 1" = 2000' Date: May 5, 1973

100000
100000
100000



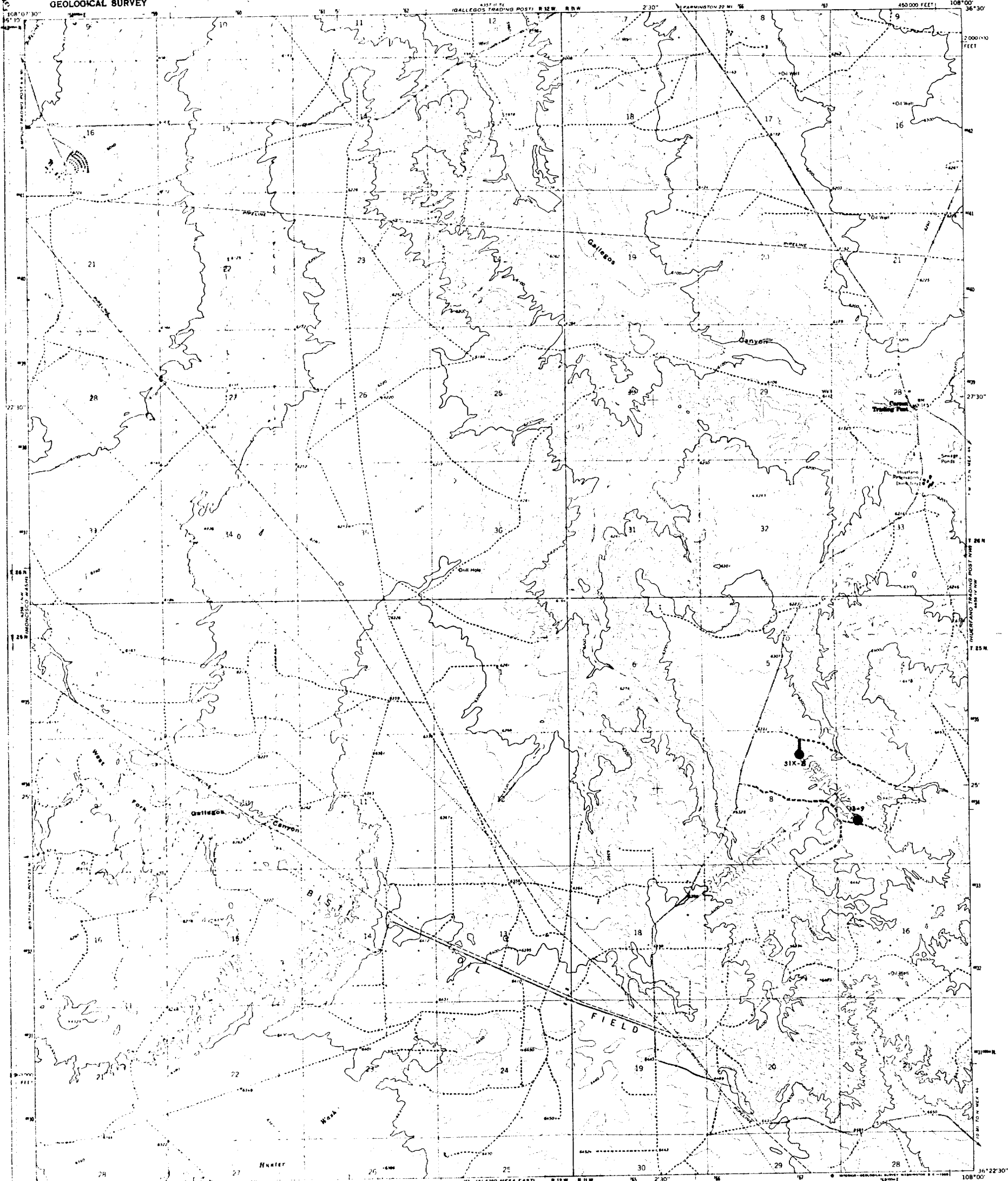
Map of the Carson Trading Post area, New Mexico, showing the Carson Trading Post, Hunter Canyon, and Gallegos Canyon. The map is oriented with North at the top. A scale bar at the bottom indicates distances in miles and feet. The map is labeled with various geographical features and place names.

CONTOUR INTERVAL, 20 FEET
ELEVATION IN FEET
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER CONTAINING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



BLANK (SCALE) AT N
LEGEND

CARSON TRADING POST, N. MEX.
NEW MEXICO - SAN JUAN CO.
1964
ANALYST: J. E. HARRIS



Maped, edited, and published by the Geological Survey
Control by USGS, USCGS, and U.S. Bureau of Reclamation
Topography by photogrammetric methods from aerial
photographs taken 1965 and planimetric surveys by the
Bureau of Reclamation 1965. Final checked by USGS 1966
Datum: 1927 North American datum
10,000 foot grid based on New Mexico coordinate system,
zone 12, shown in blue
1000 meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Fine red dashed lines indicate selected fence lines

SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



ROAD CLASSIFICATION
Light duty ——— Unimproved dirt ———

CARSON TRADING POST, N. MEX.
N3622 5—W10800 7 5

1966
AMS 4356 1 NE-SERIES V881

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST