

ACCURACY: 1" / 200'

Source of Elevation ROAD INTERSECTION - 317'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

-9/17/81

Steve Duellworth

Chet Waterman

Company NATIONAL PETROLEUM CORP. Gasway W Va.
 Address COLUMBUS, OHIO
 Farm KAISER AL. & CH. CORP.
 Tract 246.82 Acres Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 598'
 Quadrangle RIPLEY 15' NW
 County JACKSON District RAVENSWOOD
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 71003-130 Drawing No. _____
 Date 4/15/71 Scale 1" = 500'

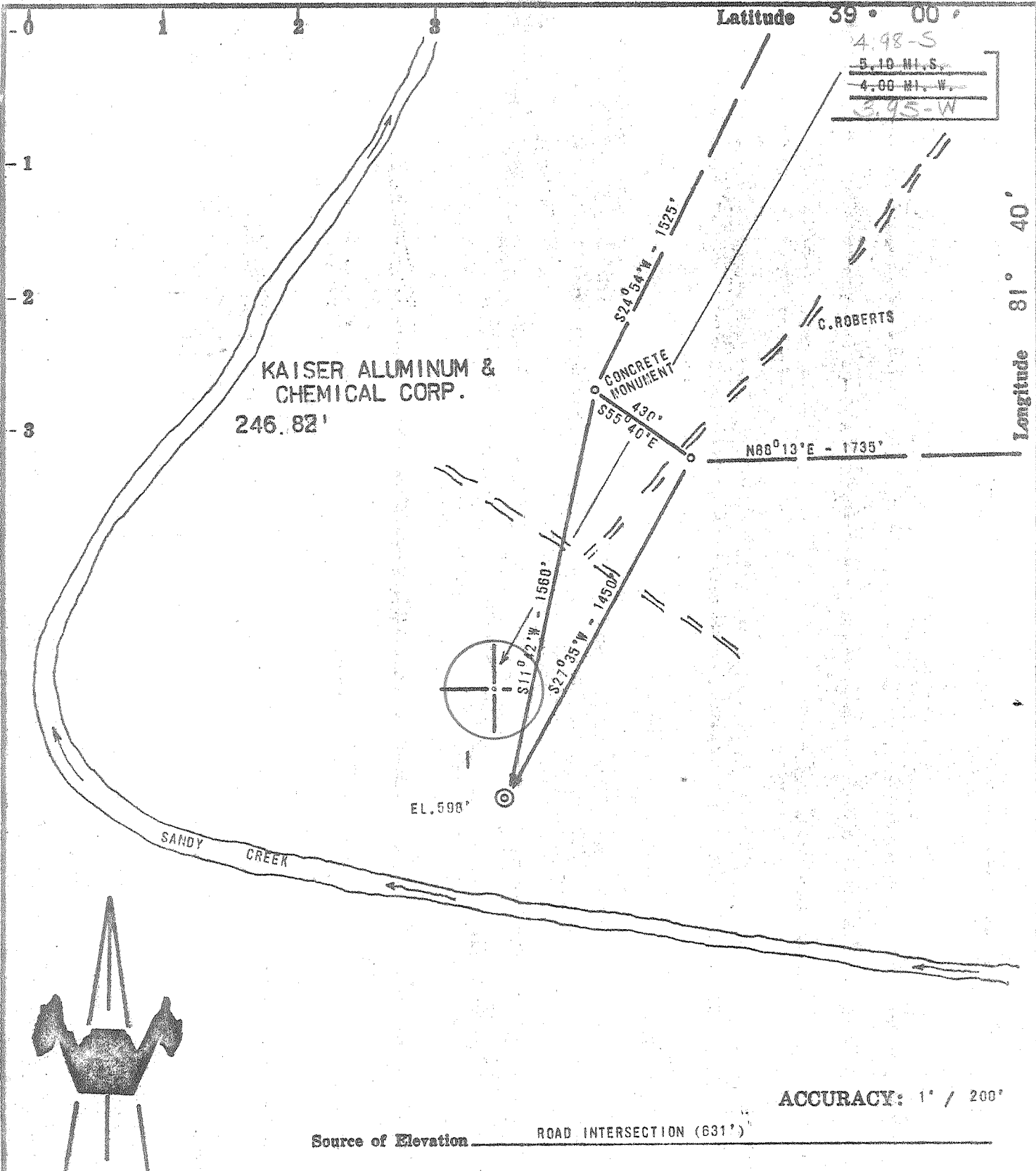
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 220-1276-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-035



ACCURACY: 1" / 200'

Source of Elevation ROAD INTERSECTION (631')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

| | | | |
|-----------------------------|--------------------------|---------------------|--|
| Company | NATIONAL PETROLEUM CORP. | | |
| Address | COLUMBUS, OHIO | | |
| Farm | KAISER AL. & CH. CORP. | | |
| Tract | Acres | Lease No. | |
| Well (Farm) No. | 1 | Serial No. | |
| Elevation (Spirit Level) | 598' | | |
| Quadrangle | RIPLEY NW | | |
| County | JACKSON | District RAVENSWOOD | |
| Engineer | CHET WATERMAN | | |
| Engineer's Registration No. | 3788 | | |
| File No. | 71003-130 | Drawing No. | |
| Date | 4/15/71 | Scale 1" = 500' | |

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. *Jac-1276*

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

WO 6-6 Ground hog Creek (342) SE

Deep Well MAY 17 1971 (Newburg)



RECEIVED

FEB 29 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Ripley
Permit No. JAC 1276

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company National Petroleum Corporation
Address 6161 Busch Blvd., Columbus, Ohio
Farm Kaiser Aluminum Acres 247
Location (waters) Sandy Creek & Ohio River
Well No. 1 Elev. 598'
District Ravenswood County Jackson
The surface of tract is owned in fee by Kaiser Aluminum & Chemical Address Ravenswood, W. VA.
Mineral rights are owned by Kaiser Aluminum & Chemical Address Ravenswood, W. Va.
Drilling commenced 5/6/71
Drilling completed 5/25/71
Date Shot From To

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 3/8 | 91' | 91' | |
| 10 | | | Size of |
| 8 5/8 | 2175' | 2175' | |
| 6 3/4 | | | Depth set |
| 5 7/8 | 5070' | 5070' | |
| 4 1/2 | | | Perf. top |
| 3 | | | Perf. bottom |
| 2 | | | Perf. top |
| Liners Used | | | Perf. bottom |

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 5,000 M Cu. Ft.
Rock Pressure 1500 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) (see below) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) Fractured by Dowell 5/2/71 with 15,000 gal. treated water and 19,000 lbs. of 20-40 sand.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 10,000 MCF
ROCK PRESSURE AFTER TREATMENT 1500psig HOURS 24
Fresh Water 42' Feet _____ Salt Water 1205 Feet _____
Producing Sand Newburg Depth 5100' - 5107'

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------------------|-------|--------------|----------------------|---------|---------------------|-------|---------|
| ALL MEASUREMENTS FROM K.B. | | | | 613' | | | |
| Clay | | | 0 | 42 | | | |
| Sand & Gravel | | | 42 | 48 | Fresh Water | | |
| Shale & Shells | | | 48 | 1173 | | | |
| Sand | | | 1173 | 1324 | Salt Water @ 1205' | | |
| Shale & Shells | | | 1324 | 1476 | | | |
| Big Lime | | | 1476 | 1640 | | | |
| Shale & Shells | | | 1640 | 2110 | | | |
| Berea Sand | | | 2110 | 2114 | | | |
| Shale | | | 2114 | 4330 | | | |
| Corniferous Lime | | | 4330 | 4416 | P.I. 4320 - 4410 | | |
| Sandy Lime | | | 4416 | 4427 | 4410 - 50 | | |
| Lime, Dolomite Anhydrite | | | 4427 | 5100 | | | |
| Newburg | | | 5100 | 5107 | | | |
| Dolomite - MCKENZIE | | | 5107 | 5110 | TD | | |
| ALL CEMENTING BY DOWELL | | | | | | | |
| | | | 13 3/8 with 80 sacks | 5-8-71 | | | |
| | | | 8 5/8 with 500 sacks | 5-17-71 | | | |
| | | | 5 1/2 with 150 sacks | 5-22-71 | | | |

(over)

MAR 6 1972

RECEIVED

FEB 9 - 1982

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

COAL OPERATOR OR OWNER Steve Duckworth NAME OF WELL OPERATOR
 ADDRESS Gassaway, W.Va. 26624 COMPLETE ADDRESS
 COAL OPERATOR OR OWNER January 24 1982 WELL AND LOCATION
 ADDRESS Ravenswood District
Kaiser Aluminum & Chemical Jackson County
 LEASE OR PROPERTY OWNER
 ADDRESS Ravenswood, W.Va. Well No. 1
Kaiser Aluminum Farm

STATE INSPECTOR SUPERVISING PLUGGING Richard Morris

AFFIDAVIT

STATE OF WEST VIRGINIA, }
County of _____ } ss:

Eugene Irunty and Todd Duckworth
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Steve Duckworth, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 25 day of September, 1981, and that the well was plugged and filled in the following manner:

| SAND OR ZONE RECORD FORMATION | FILLING MATERIAL | PLUGS USED SIZE & KIND | CASING | |
|----------------------------------|----------------------------|---------------------------|-------------------------------|----------------|
| | | | CSG PULLED | CSG LEFT IN |
| | Gelled Hole | | | |
| | Cement | 5110' - 5010' | 5110' - 23/8' | |
| | Cut 5 1/2" casing @ 3,000' | | 3000' - 5 1/2' | 2180' - 5 1/2' |
| | Cement | 3000' - 2900' | | |
| | Cement | 2200' - 2150 | | 2150' - 8 5/8 |
| | Cement | 50 - Surface | | 30' - 13 3/8 |
| COAL SEAMS | | | DESCRIPTION OF MONUMENT | |
| (NAME) | | | 7" x 15" Erected monument and | |
| (NAME) | | | reclaimed according to rules | |
| (NAME) | | | and regulations. | |
| (NAME) | | | | |

and that the work of plugging and filling said well was completed on the 19 day of October, 1981.

And further deponents saith not.

Sworn to and subscribed before me this 8 day of Feb, 1982

My commission expires:

Aug 4 1984

Eugene Irunty
Todd Duckworth
Albert B. Stewart
Notary Public.

Permit No. Jac. - 1276-1

035