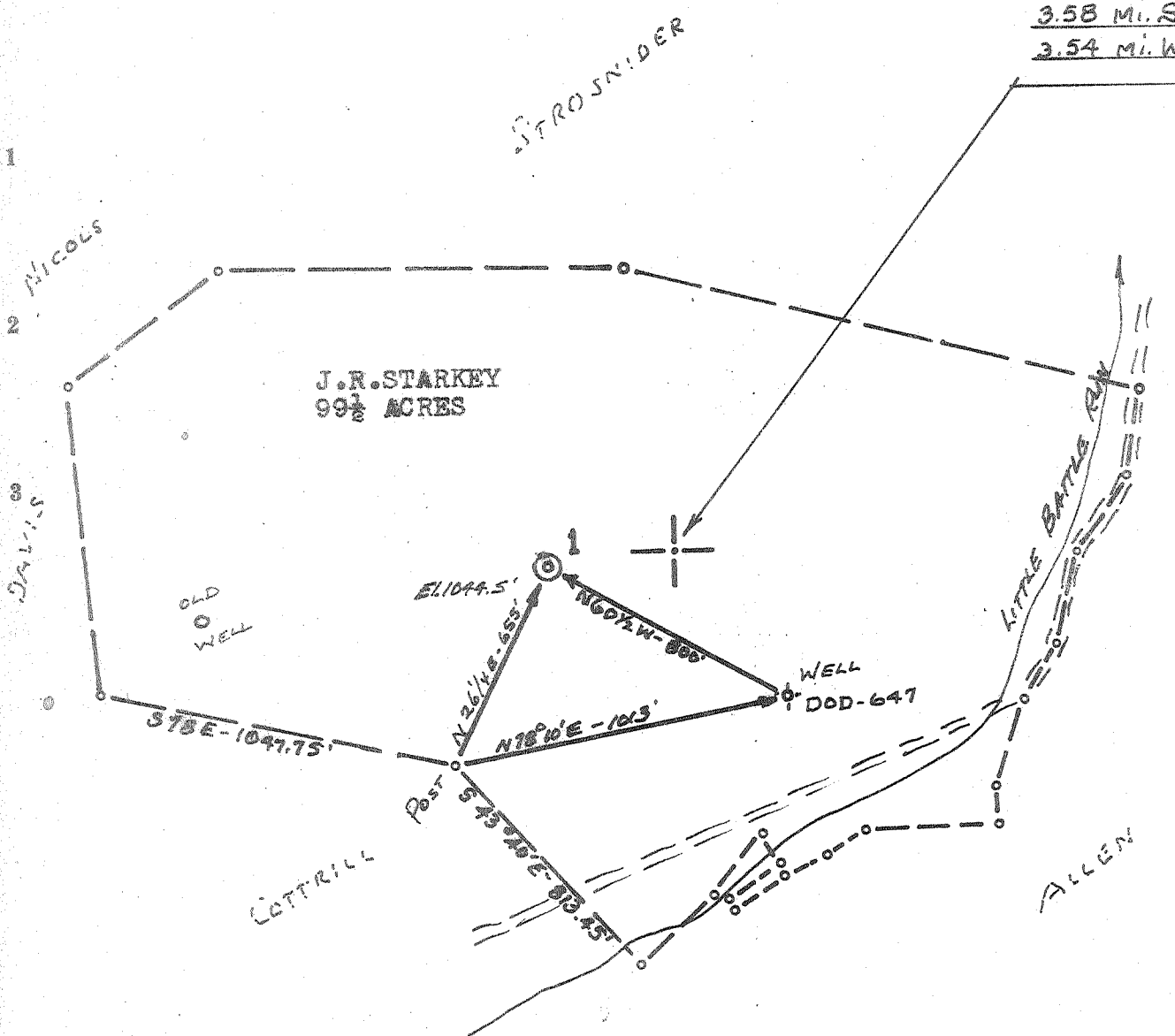


Latitude 39° 25'

3.58 Mi. S.
3.54 Mi. W.

Longitude 80° 35'



J.R. STARKEY
99 1/2 ACRES

OLD
WELL

WELL
DOD-647

E1044.5'
N 26 1/4 W - 653'
Post 543.75' E - 93.45'

N 75° 10' E - 103.5'

S 78° E - 1047.75'

ACCURACY: 1" / 200'

Source of Elevation Old Well DOD-647 (1005')

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

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.

Issued 3/14/67

Chet Waterman

| | |
|-----------------------------|------------------------------|
| Company | T W M PETROLEUM, INC. |
| Address | CLARKSBURG, W. VA. |
| Farm | J. R. STARKEY |
| Tract | Acres 99 1/2 Lease No. |
| Well (Farm) No. | 1 Serial No. |
| Elevation (Spirit Level) | 1044.5' |
| Quadrangle | CENTERPOINT <i>c</i> |
| County | DODDRIDGE District MCCLELLAN |
| Engineer | CHET WATERMAN |
| Engineer's Registration No. | 3788 |
| File No. | 66003-126 Drawing No. |
| Date | 7/10/66 Scale 1" = 500' |

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

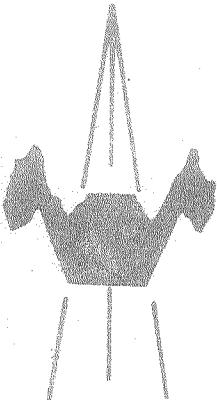
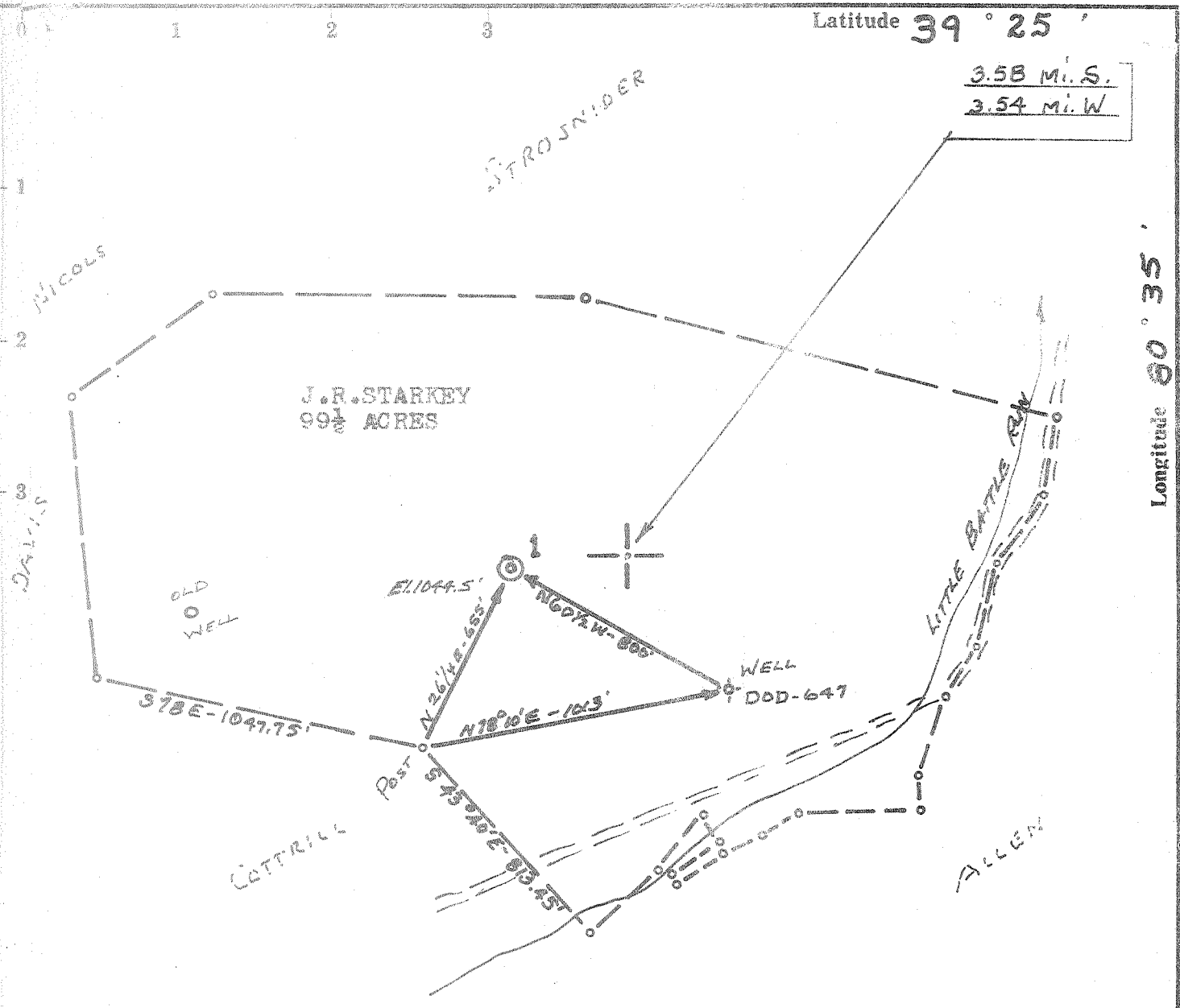
WELL LOCATION MAP
FILE NO. DOD - 1391-P

+ 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.

60 99

P



ACCURACY: 1" = 200'

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

Source of Elevation Old Well DOD-647 (1005')

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
 Chet Waterman

| | | | |
|-----------------------------|-----------------------|-------------|-----------|
| Company | T W M PETROLEUM, INC. | | |
| Address | CLARKSBURG, W. VA. | | |
| Farm | J. R. STARKEY | | |
| Tract | Acres | 99 1/2 | Lease No. |
| Well (Farm) No. | 1 | Serial No. | |
| Elevation (Spirit Level) | 1044.5' | | |
| Quadrangle | CENTERPOINT - C | | |
| County | DODDRIDGE | District | MCCLELLAN |
| Engineer | CHET WATERMAN | | |
| Engineer's Registration No. | 3788 | | |
| File No. | 66003-126 | Drawing No. | |
| Date | 7/10/66 | Scale | 1" = 500' |

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

WELL LOCATION MAP
 FILE NO. DOD - 1391

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 6

Quadrangle _____
Permit No. DOD-1391

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company TWM Petroleum, Inc.
Address 912-A Goff Bldg., Clarksburg, W. Va.
Name J. R. Starkely Acres 120
Location (waters) Little Battle
Well No. 1 Elev. 1045
District McClelland County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Martha Williams
Address Morgansville, W. Va.
Drilling commenced July 21, 1966
Drilling completed Aug/ 17, 1966
Casing Shot _____ From _____ To _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Block Pressure _____ lbs. _____ hrs.
_____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------------|
| Size | | | Kind of Packer _____ |
| 16 | | | |
| 13 | | | |
| 10 | 204 | 204 | Size of _____ |
| 8 1/4 | 1108 | | |
| 7 | 2022 | | Depth set _____ |
| 4-1/2 | 2186 | 2186 | |
| 3 | | | Perf. top <u>2115</u> |
| 2 | | | Perf. bottom <u>2119</u> |
| Liners Used | | | Perf. top <u>2124</u> |
| | | | Perf. bottom <u>2126</u> |

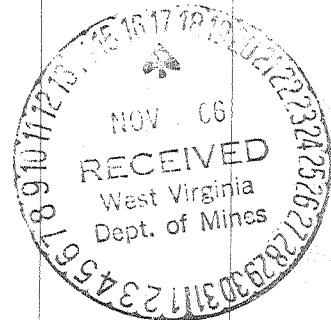
CASING CEMENTED 4-1/2 SIZE 2186 No. Ft. 8-18-66 Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED 8-24-66 with 686 bbls. water and 26,000 lbs. 20-40 sand, 250 gals. mud acid used for break down

RESULT AFTER TREATMENT _____
BLOCK PRESSURE AFTER TREATMENT _____
Fresh Water 19 Feet _____ Salt Water _____ Feet _____

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------|-------|--------------|-----|--------|-------------------|-------|---------|
| 1 | | | 0 | 4 | | | |
| R. Lime | | | 4 | 20 | | | |
| le | | | 20 | 24 | | | |
| d Rock | | | 24 | 40 | | | |
| le | | | 40 | 60 | | | |
| d Rock | | | 60 | 100 | | | |
| te | | | 100 | 154 | | | |
| d Rock | | | 154 | 162 | | | |
| te | | | 162 | 165 | | | |
| y Lime | | | 165 | 168 | | | |
| d Rock | | | 168 | 180 | | | |
| te & Lm | | | 180 | 206 | | | |
| te | | | 206 | 215 | | | |
| d | | | 215 | 220 | | | |
| d Rock | | | 220 | 256 | | | |
| te | | | 256 | 290 | | | |
| d | | | 290 | 294 | | | |
| te | | | 294 | 305 | | | |
| d Rock | | | 305 | 321 | | | |
| te | | | 321 | 333 | | | |
| d | | | 333 | 339 | | | |
| te | | | 339 | 344 | | | |
| d | | | 344 | 354 | | | |
| te | | | 354 | 397 | | | |
| ne | | | 397 | 412 | | | |
| le-Shells | | | 412 | 428 | | | |



| Formation | Color | Hard or Soft | Top δ | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|----------------------------|-------|--------------|--------------|--------|-------------------|-------------|-----------------------|
| Red Rock | | | 428 | 432 | | | |
| Slate & Shells | | | 432 | 438 | | | |
| Slate & Shells | | | 438 | 570 | | | |
| Lime | | | 570 | 600 | | | |
| Slate | | | 600 | 640 | | | |
| Coal | | | 640 | 641 | | | |
| Slate & Shells | | | 641 | 668 | | | |
| Sand | | | 668 | 750 | | | |
| Red Rock | | | 750 | 763 | | | |
| Slate & Shells | | | 763 | 790 | | | |
| Red Rock | | | 790 | 810 | | | |
| Sand & Shale | | | 810 | 829 | | | |
| Red Rock | | | 829 | 891 | | | |
| Sandy Lime | | | 891 | 915 | | | |
| Slate & Shells | | | 915 | 991 | | | |
| Sand | | | 991 | 1015 | | | |
| Slate | | | 1015 | 1049 | | | |
| Sdy Lime | | | 1049 | 1058 | | | |
| Sand | | | 1058 | 1097 | | | |
| Sdy Lime | | | 1097 | 1131 | | | |
| Black Slate | | | 1131 | 1141 | | | |
| Sand | | | 1141 | 1163 | | | |
| Slate & Shells | | | 1163 | 1306 | | | |
| Sdy Lime | | | 1306 | 1352 | | | |
| Slate & Shells | | | 1352 | 1380 | | | |
| Sand | | | 1380 | 1394 | | | |
| Slate & Sand | | | 1394 | 1405 | | | |
| Sand | | | 1405 | 1470 | | | |
| Slate | | | 1470 | 1515 | | | |
| Sand | | | 1515 | 1525 | | | |
| Slate | | | 1525 | 1538 | | | |
| Sand | | | 1538 | 1541 | | | |
| Slate | | | 1541 | 1575 | | | |
| Sand | | | 1575 | 1590 | | | |
| Slate & Shells | | | 1590 | 1628 | | | |
| Sand | | | 1628 | 1708 | | | |
| Slate | | | 1708 | 1750 | | | |
| Slate & Shells | | | 1750 | 1773 | | | |
| Sand | | | 1773 | 1808 | | | |
| Slate | | | 1808 | 1855 | | | |
| Red Rock | | | 1855 | 1904 | | | |
| Sand-Slate | | | 1904 | 1935 | | | |
| Lime <small>LITTLE</small> | | | 1935 | 1955 | | | |
| Brown Lime | | | 1955 | 2000 | | | |
| Pencil Cave | | | 2000 | 2010 | | | |
| Big Lime | | | 2010 | 2044 | | | |
| Lime & Sand | | | 2044 | 2052 | Water | 1460 | |
| Sdy Lime | | | 2052 | 2062 | | | |
| Lime | | | 2062 | 2094 | Gas | 2120-25 | $\frac{60}{10}$ in 1" |
| Sdy Lime | | | 2094 | 2106 | | | |
| White Sand | | | 2106 | 2140 | | | |
| Gray Sand | | | 2140 | 2159 | | | |
| Slate & Sand | | | 2159 | 2169 | | | |
| Sand | | | 2169 | 2177 | | | |
| Sandy Slate | | | 2177 | 2183 | | | |
| Slate | | | 2183 | 2192 | | | |
| TD | | | 2192 | | | | |

Date 11/11, 1966

APPROVED J. W. M. Petroleum, Inc. Owner

By G. L. Diddle
(Title)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. 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.

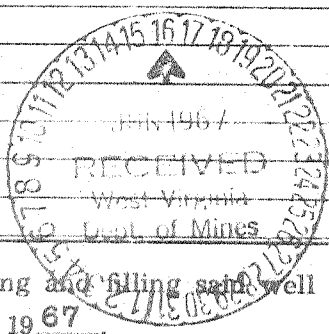
NONE COAL OPERATOR OR OWNER
Hugh Spencer NAME OF WELL OPERATOR
West Union, W. Va. 26456 COMPLETE ADDRESS
NONE COAL OPERATOR OR OWNER
May 2, 1967 WELL AND LOCATION
McClellan District
Doddridge County
Martha Williams LEASE OR PROPERTY OWNER
Morgansville, W. Va. ADDRESS
 Well No. One
Starkey Farm

STATE INSPECTOR SUPERVISING PLUGGING W. M. Blosser, Fairmont, W. Va.

AFFIDAVIT

STATE OF WEST VIRGINIA, }
 County of Doddridge } SS:
Robert Williams and Larry Cogar
 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 Hugh Spencer, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 20th day of March, 1967, 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 |
| Filled with non-porous material to 1800 ft.; cut 4 1/2" casing at approximately 1800 ft., installed bridge on parted casing and installed 5 ft. crushed stone and 10 ft. cement. | | | | |
| Set bridge at 1600 ft.; filled with 10 ft. clay, 5 ft. crushed stone, and 10 ft. cement. | | | | |
| Set bridge at 1200 ft.; filled with 10 ft. clay, 5 ft. crushed stone, and 10 ft. cement. | | | | |
| Set bridge at 700 ft.; filled with 10 ft. clay, 5 ft. crushed stone, and 10 ft. cement. | | | | |
| Set bridge at 100 ft.; filled with 10 ft. clay, 5 ft. crushed stone, and 10 ft. cement. | | | | |
| Filled with clay to within 10 ft. of surface. | | | | |
| Erected marker as prescribed in Rule 12 of Regulations. | | | | |
| COAL SEAMS | DESCRIPTION OF MONUMENT | | | |
| (NAME) | Casing 3 Ft. Above Ground Level | | | |
| (NAME) | Marked Starkey Well | | | |
| (NAME) | | | | |
| (NAME) | | | | |



and that the work of plugging and filling said well was completed on the 23rd day of March, 1967.

And further deponents saith not.

Sworn to and subscribed before me this 31 day of May, 1967.

Robert Williams
Larry Cogar
Hugh Spencer

Notary Public.

Permit No. DOD-1391-P

My commission expires:

Sept 6, 1972