

Janice
11/14/91

L. E. WILLIAMS

3670

J. W. EDDY

3669

J. J. ADAMS

154A.

1962

3653

JOHN GASTON
101.5 A

N26°15'E
184.8

N77°W
132'

3657
WEST
239.2'

429'

N87°W

123.5'

N23°15'E
142.8'

1105
1.51W

141A

N23°15'E
142.8'

N42°W
117.2'

N42°W
117.2'

N42°W
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C. W. RICHARDS

3656

N36°E
323.8'

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T. P. DOUGLAS

880'

S72°W

165'

S60°W

412.3'

S57°30'W

165'

S57°30'W

165'

S57°30'W

165'

S57°30'W

165'

S57°30'W

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S57°30'W

165'

S57°30'W

165'

S57°30'W

165'

S57°30'W

165'

S57°30'W

165'

BUCKEYE
FORK

297'
S27°45'W
214.5'

297'
N78°W
594'

577.5'
S70°W
346.5'

577.5'
S70°W
346.5'

577.5'
S70°W
346.5'

577.5'
S70°W
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577.5'
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577.5'
S70°W
346.5'

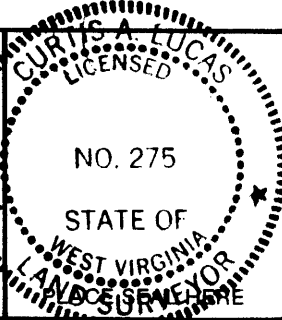
577.5'
S70°W
346.5'

577.5'
S70°W
346.5'

calc 15' loc
1.105
1.51W

FILE NO. _____
MAP N18 SQS S15 W1
SCALE 1" = 800'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION USGS BM "2JEA 1962"

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Curtis A. Lucas
CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE Sept. 22, 1991
FARM J. J. ADAMS NO. 4
API WELL NO. (1174-HCR4)
47 - 017 - 1962
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PERFORATION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 969 WATER SHED BUCKEYE FORK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC Vadisa na

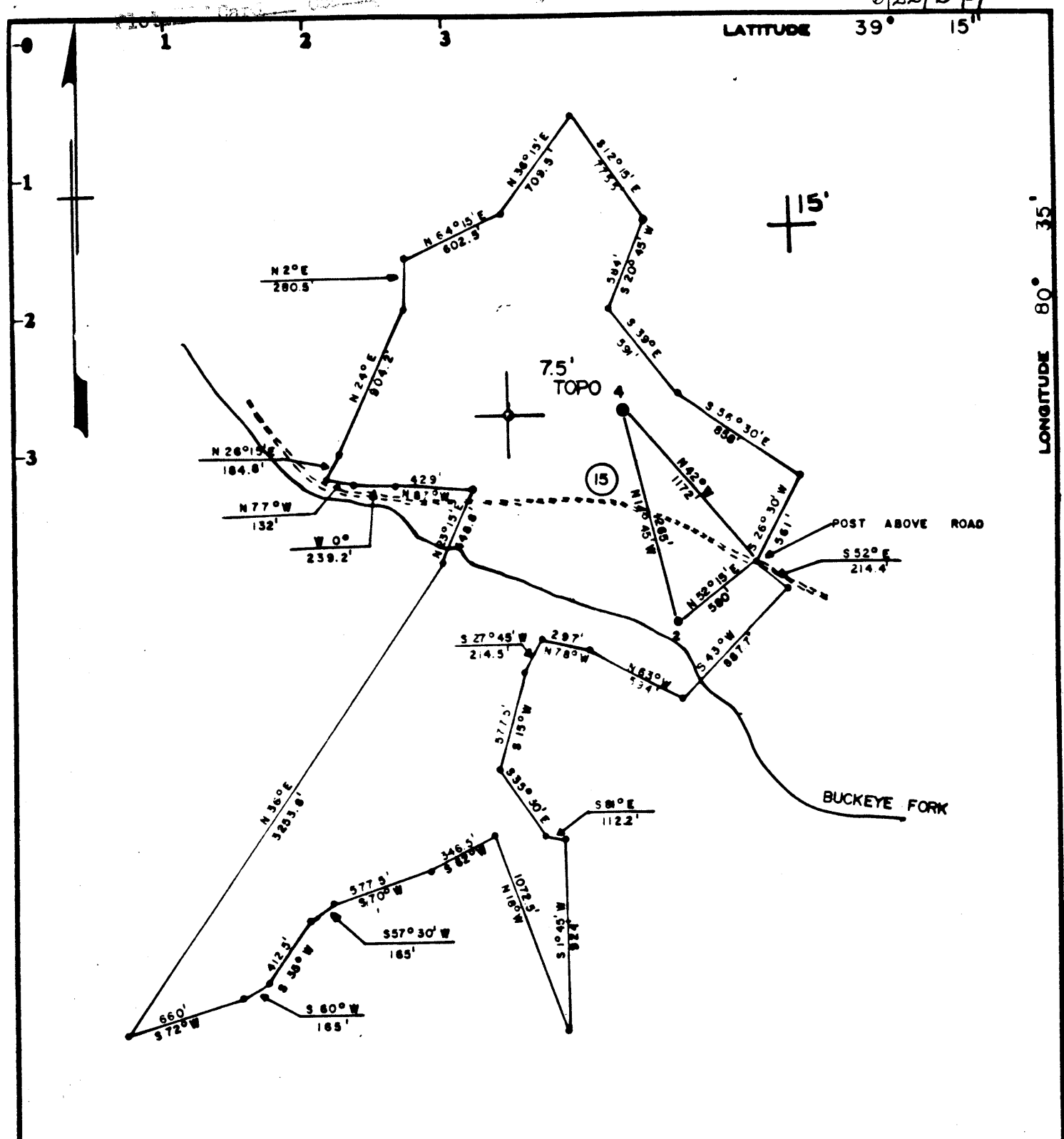
SURFACE OWNER _____ ACREAGE _____
OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 154

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____
TARGET FORMATION GORDON ESTIMATED DEPTH 2724
WELL OPERATOR CLARENCE W. MUTSCHELKNAUS DESIGNATED AGENT CLARENCE W. MUTSCHELKNAUS
ADDRESS P O BOX 351 SALEM WV 26426 ADDRESS P O BOX 351 SALEM WV 26426

NOV 2 - 1991

6/22/79 *PL*



Minimum Error of Closure _____

Source of Elevation USGS BM "2JEA 1962"

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.

Fracture.....
 New Location
 Drill Deeper.....
 Abandonment 6/25/79

Signed: *Curtis A. Lucas*
 Map No. N 18 Squares: N S 15 E W 1

Company	PENNZOIL COMPANY
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	JONATHAN J. ADAMS
Tract	Acres 154 Lease No. 80771
Well (Farm) No.	4 Serial No. _____
Elevation (Spirit Level)	898.00'
Quadrangle	BIG ISAAC 7.5', VARIS 15'
County	DODDRIDGE District GREENBRIER
Surveyor	CURTIS A. LUCAS
Surveyor's Registration No.	275
File No.	Drawing No. _____
Date	6/14/79 Scale 1" = 800'

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

WELL LOCATION MAP
(was 1962)
 FILE NO. 47-017-2447-P

Plugging Cancelled

+ 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.

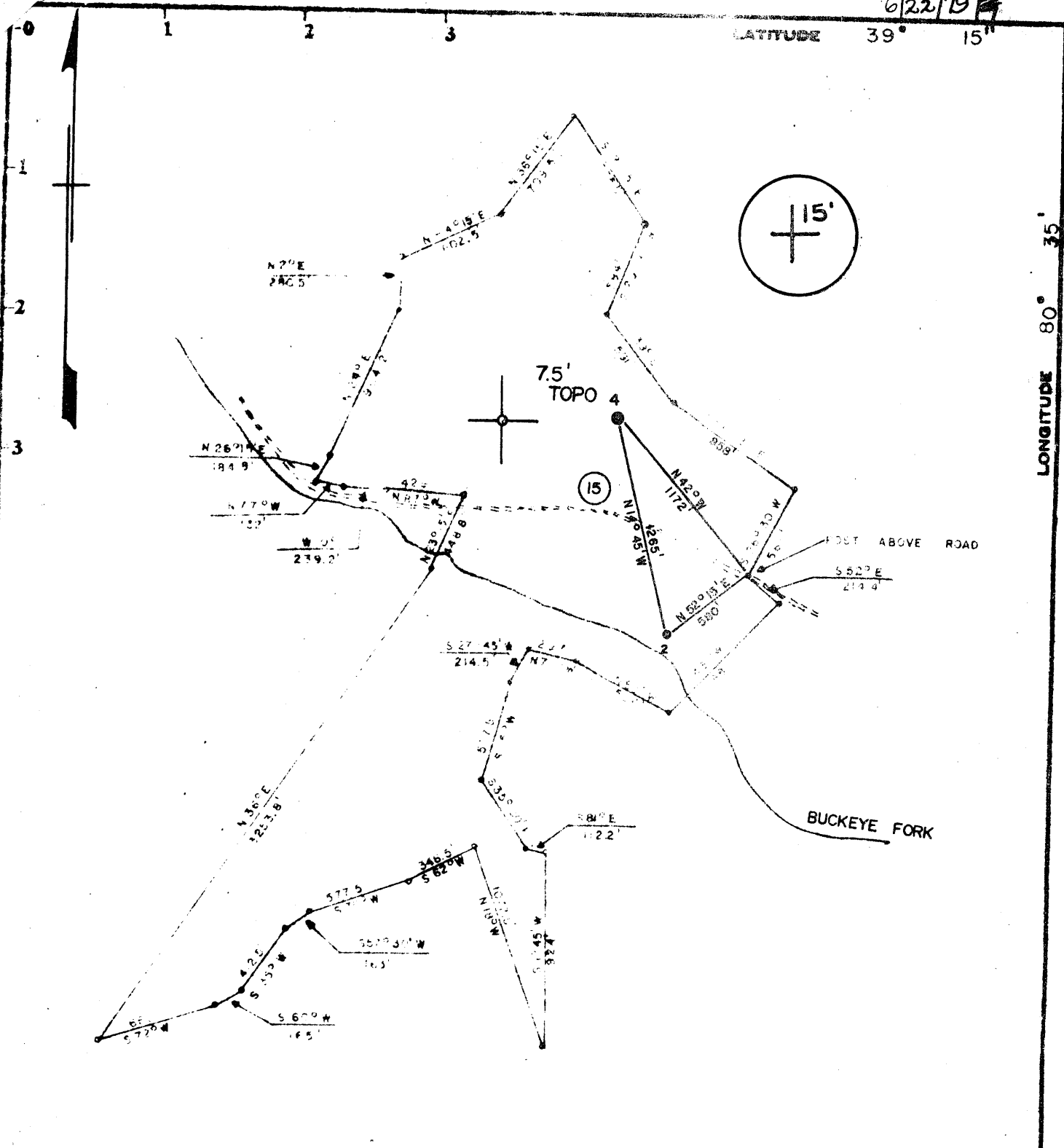
- Denotes one inch space on border line of original tracing.

BRUNING 44-131 27198

6/22/79

LATITUDE 39° 15'

LONGITUDE 80° 35'



Minimum Error of Closure _____

Source of Elevation USGS BM "2JEA 1962"

- Fracture
- New Location
- Drill Deeper
- Abandonment 6/25/79

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.

Signed: *Curtis A. Lucas*

Map No. N 15 E W Squares: N S 15 E W

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Name JONATHAN J. ALAMS
 Acres 154 Lease No. 8077
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 898.00'
 Quadrangle BIG ISAAC 7.5', VARIS 15'
 County DODDRIDGE District GREENBRIER
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. _____ Drawing No. _____
 Date 6/14/79 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. 47-017-2447-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.

JUL 17 1979

DATE TAKEN	READING	LIQUID	OPENING	PRESSURE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	PERK	VOLUME	SAND	DATE	QTS.	BARREL	VOLUME BARREL	TEMPERATURE
Nov 27 1929	20/10	W.	1 1/8"								43784	dry sand	7-7-1914	70	1		
Jan 21 1931	10/10	"	"								23812	fine sand	7-14-1915	30	1		
Mar 21 1931	20/10	red	1/4"								3736	do	12-27-1930	40	1		
Mar 23 1931																	
Mar 23 1931																	

VOLUME AND PRESSURE TESTS

VOLUME AND PRESSURE TESTS													PACKERS				
DATE TAKEN	READING	LIQUID	OPENING	PRESSURE	1 MIN.	5 MIN.	10 MIN.	30 MIN.	60 MIN.	PERK	VOLUME	SAND	DATE	QTS.	BARREL	VOLUME BARREL	TEMPERATURE
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Mar 21 1931	20/10	red	1/4"								3736	do	12-27-1930	40	1		
Mar 23 1931																	
Mar 23 1931																	

INITIAL OIL PRODUCTION	
DATE	BARREL

DISTRICT OFFICER
 COUNTY
 TOWNSHIP
 COMMISSIONER
 COMPLETE
 OPERATIONS
 IN MONTH OF
 DATE PURCHASED
 DATE SHUT IN
 DATE CONSTRUCTION
 DATE TURNING ON
 DATE TURNED OFF
 DATE DISCONNECTED
 SOLD TO
 DATE BOILED
 DATE RE-PURCHASED
 DATE PLUGGED
 DATE ABANDONED
 ELEVATION ABOVE SEA LEVEL: 969

017-1962
 70W 2447

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

now: 2447

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: MILLS, JEFF Operator Well No.: J.J. ADAMS #4

LOCATION: Elevation: 969.00 Quadrangle: BIG ISAAC
District: County: DODDRIDGE
Latitude: 5800 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude 7975 Feet West of 80 Deg. 35 Min. 0 Sec.

Well Type: OIL x GAS x

Company: Mutschelknaus Oil & Gas Coal Operator N/A
 P.O. Box 351 or Owner
 Salem, WV 26426
Agent: Mutschelknaus Oil & Gas Coal Operator N/A
 or Owner
Permit Issued: 10/09/91

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Harrison ss: 234-50-8559 and 232-60-0375

 Milford Yoak and Blaine Plauger 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 the above named well operator, and participated in the work of plugging and filling the above well, and Mike Underwood Oil and Gas Inspector representing the Director, say that said work was commenced on the 3rd day of October , 19 91, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Pulled 2741 ft. of 2" tubing, bailed well dry to 2750, gelled the hole with 2 sacks to				
2750, ran 25 sacks of cement through 5" from 2750 to 2532, cut 5" at 2004ft. and pulled				
through, cut 7" at 1160ft. and pulled. Ran 2" tubing to 2045ft., circulated 3 sacks of gel				
ran 25 sacks of cement from 2045 to 1800ft. pulled 2" tubing back to 1160, broke circulation				
with 2 1/2 sacks of gel, cement from 1160 to 1060, chase with 1 1/2 sacks of gel, cut 8"				
at 280ft. but pulled out 320ft. of 8". Ran tubing to 400ft., broke circulation, ran 2 bags				
of gel, ran 30 bags of cement from 400ft. to 250 ft. Pulled 2" to 200ft. From surface,				
ran 65 sacks of cement from 200ft. to surface.				

11/5/91

Description of monument: 8 inch pipe with API# on it and that the work of plugging and filling said well was completed on the 6th day of October , 19 91.

Notary Public
DAVID F. BISSELL
Rt. 2, BOX 137-D
BRIDGEPORT, WV 26330
My Commission Expires APRIL 18, 2001

Sworn and subscribe before me this 30th day of October , 19 91
My commission expires: April 15th 2001

x Blaine Plauger
x Milford Yoak
Notary Public

Oil and Gas Inspector: _____

now: 2447
Bi-150001