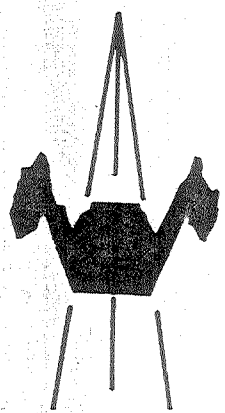
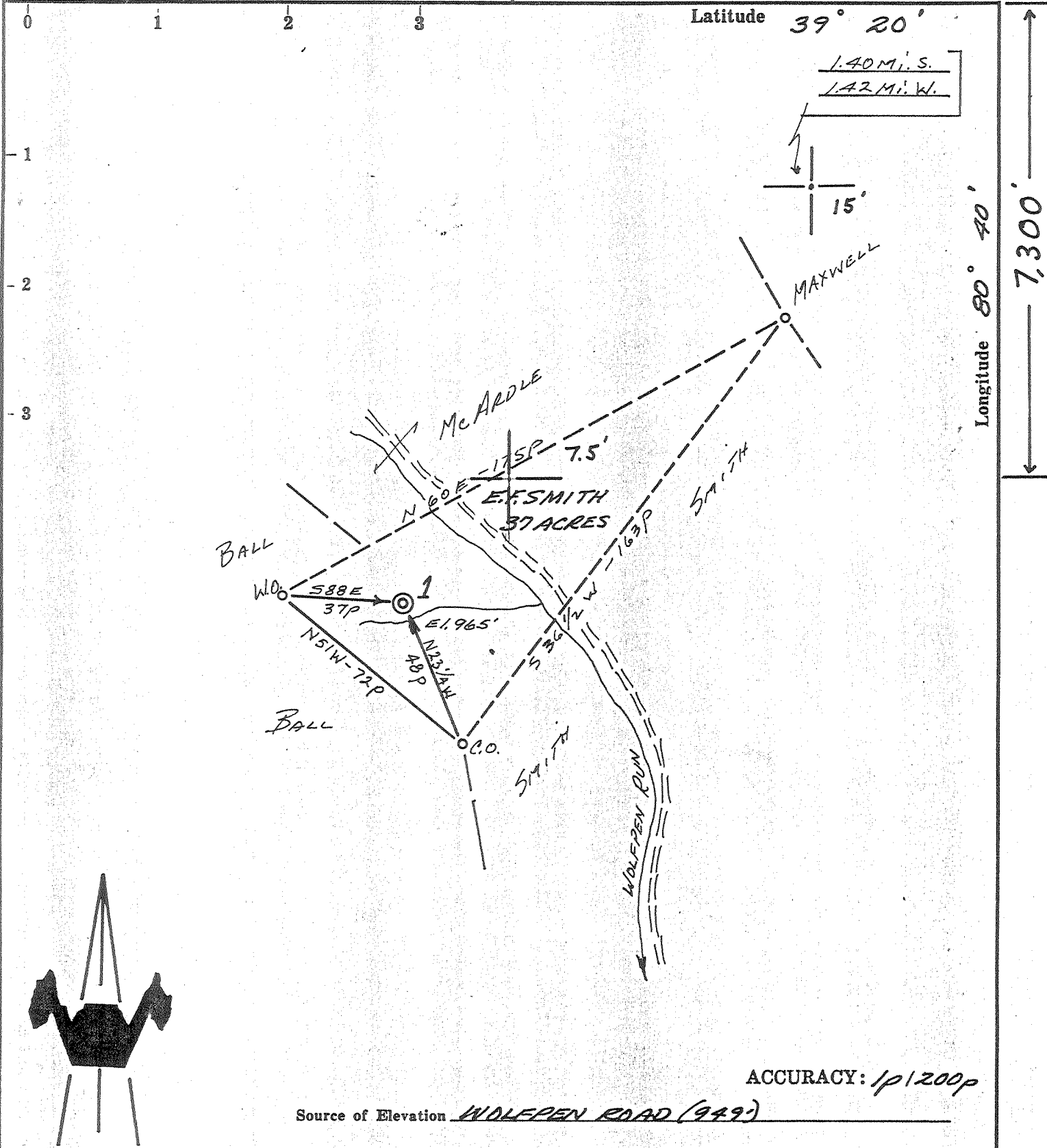


7400741/73CEN



ACCURACY: 1p/200p

Source of Elevation WOLF PEN ROAD (949)

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 - 2/20/85
- Fracture
- Redrill

Chet Waterman

Company MURVIN OIL COMPANY
 Address OLNEY, ILLINOIS
 Farm E.F. SMITH
 Tract _____ Acres 37 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 965'
 Quadrangle CENTERPOINT 15'/Smithburg 7.5'
 County DODDRIDGE District GRANT
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 73003-330 Drawing No. _____
 Date 7/10/73 Scale 1" = 40p

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

WELL LOCATION MAP
 FILE NO. Dodd-1739-P

PL. 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.

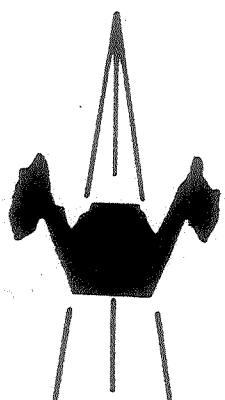
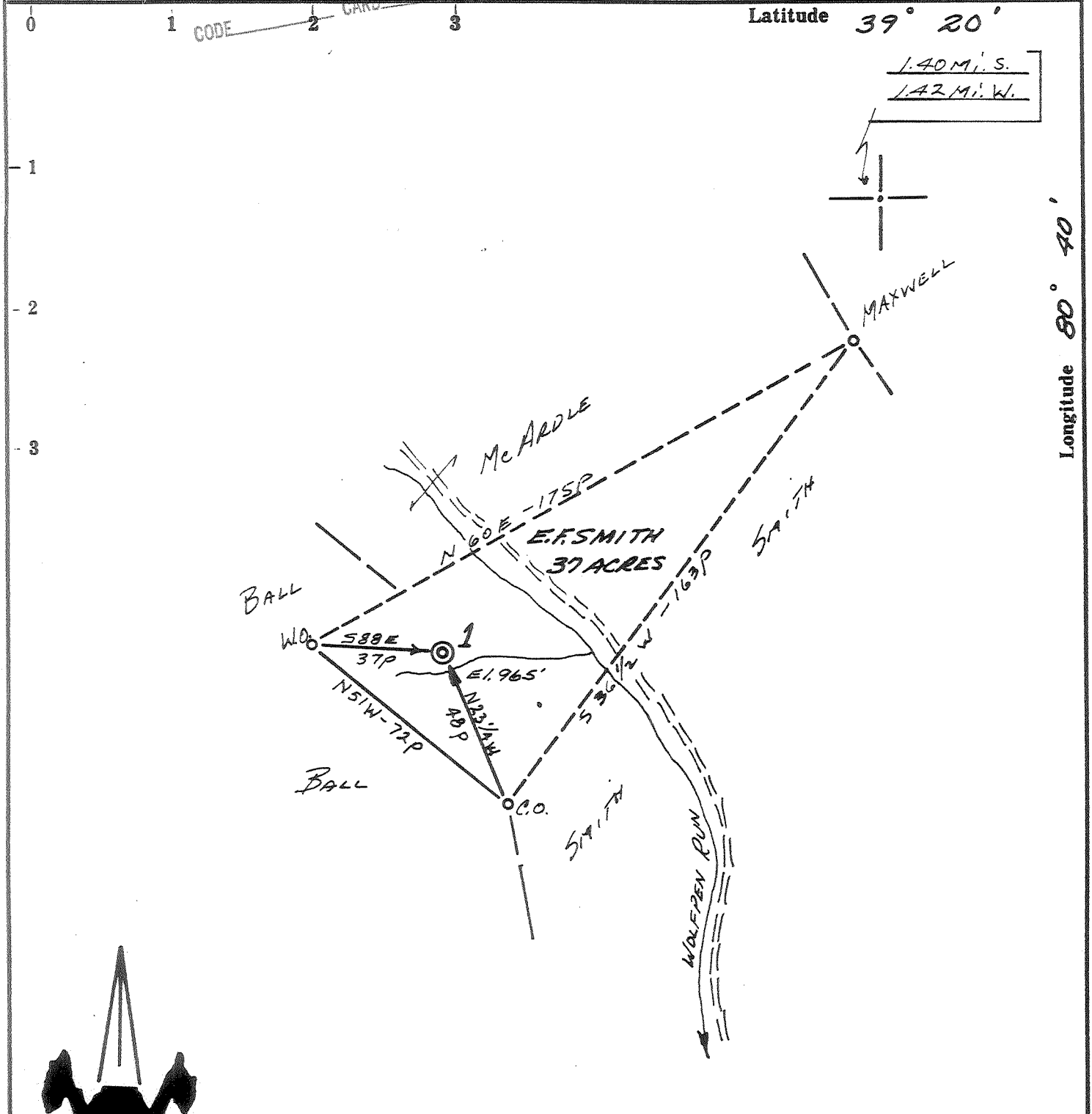
- Denotes one inch spaces on border line of original tracing.

47-017

DODD 1739-P

7/11/73 GEN

PLOT



ACCURACY: 1/200P

Source of Elevation WOLF PEN ROAD (949)

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 - 2/20/85
- Fracture
- Redrill

Company MURVIN OIL COMPANY
 Address OLNEY, ILLINOIS
 Farm E.F. SMITH
 Tract _____ Acres 37 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 965'
 Quadrangle CENTERPOINT
 County DODDRIDGE District GRANT
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 73003-330 Drawing No. _____
 Date 7/10/73 Scale 1" = 40P

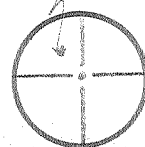
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Dodd-1739-P

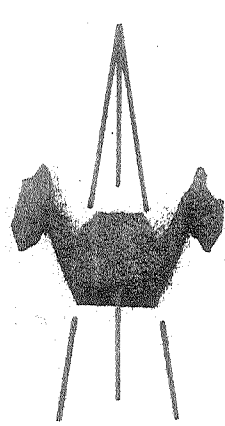
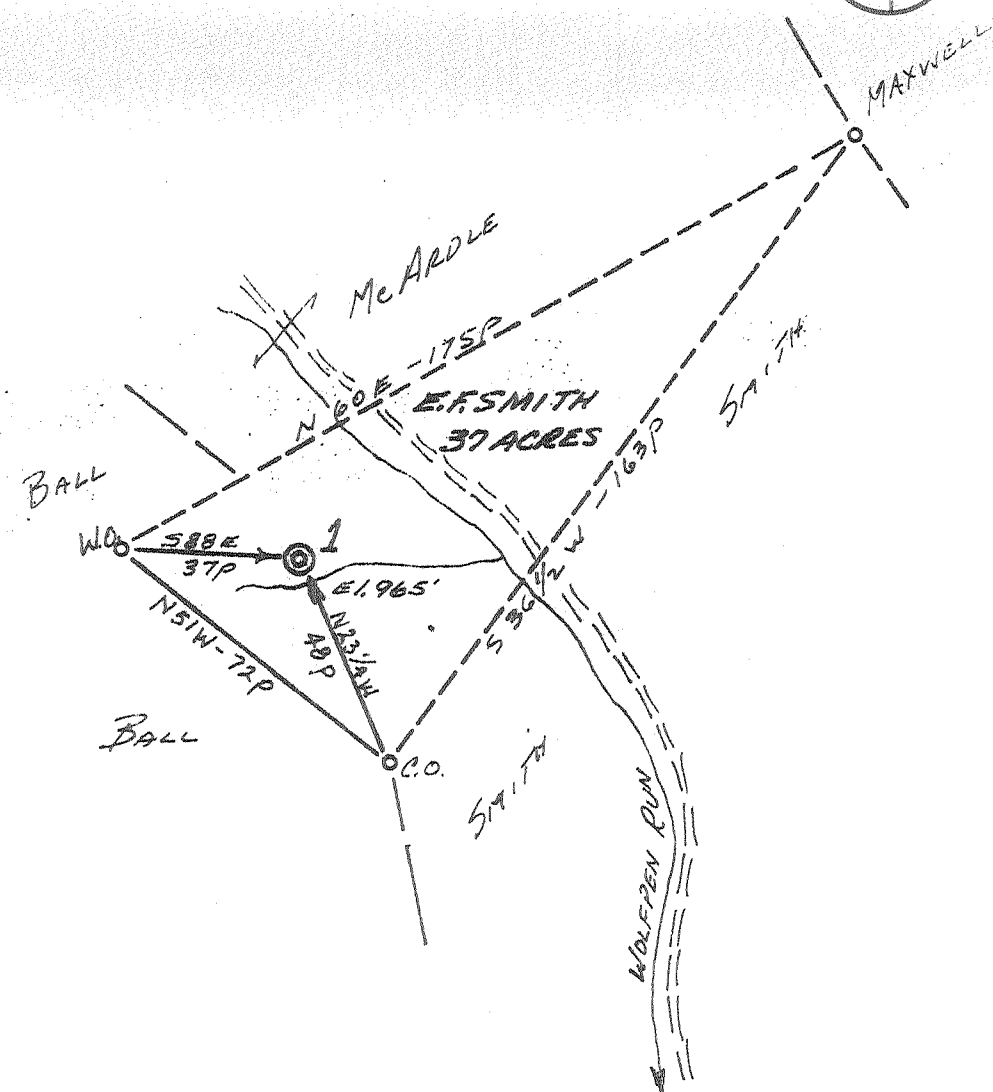
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.
 FEB 25 1985
47-017

Latitude 39° 30'

140 M.S.
142 M.S.



Longitude 80° 40'



ACCURACY: 1p/200p

Source of Elevation WOLFEN ROAD (949)

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

Chet Waterman

Company MURVIN OIL COMPANY
 Address OLNEY, ILLINOIS
 Farm E.F. SMITH
 Tract _____ Acres 37 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 965'
 Quadrangle CENTERPOINT SW
 County DODDRIDGE District GRANT
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 73003-330 Drawing No. _____
 Date 7/10/73 Scale 1" = 40p

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

WELL LOCATION MAP
 FILE NO. Dodd-1739

+ 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.

47-017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

39-30
7-24
②

Rotary Oil
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Centerpoint

Permit No. DOD-1739

Company Murvin Oil Corporation
Address Box 297, Olney, Ill. 62450
Farm E. F. Smith Acres 37
Location (waters) Morgans Run
Well No. 1 Elev. 965
District Grant County Doddridge
The surface of tract is owned in fee by E. F. Smith
West Union, West Virginia
Address _____
Mineral rights are owned by John I. Smith Heirs
and Roy Stubbs Heirs
Address _____
Drilling Commenced 7/18/73
Drilling Completed 7/21/73
Initial open flow 150,000 cu. ft. _____ bbls.
Final production 700,000 cu. ft. per day _____ bbls.
Well open 12 hrs. before test 460 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up (Cu. ft. (Sks.))
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	474	474	140 Sks.
7			
5 1/2			
4 1/2	1993	1993	120 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Copy of Frac Bill attached

Squaw Perforated; 1944-1952 - 7 shots
1955-1965 - 10 shots

Coal was encountered at 430 Feet _____ Inches
Fresh water 75 Feet _____ Salt Water _____ None _____ Feet
Producing Sand Squaw Depth (see perforating information)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	20	Water	75 ft.
Shale			20	75		
Red rock			75	130		
Sand			130	175		
Shale			175	290		
Red rock			290	375		
Sand			375	415		
Slate and shells			415	620		
Red rock			620	735		
Shale			735	820		
Sand			820	860		
Slate and shells			860	1115		
Sand			1115	1180		
Slate and shells			1180	1420		
Sand			1420	1580		
Slate and shells			1580	1635		
Sand			1635	1670		
Slate			1670	1705		
Sand			1705	1750		
Slate			1750	1765		
Big Lime			1765	1820		
Big Injun Sand			1820	1920		

(over)

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet /	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			1920	1940		
<u>Squaw Sand</u>			1940	1968		
Slate			1968		<u>Gas 1955-1968</u>	
	T.D.		1990			

Date November 29, 1973

APPROVED Murvin Oil Corporation, Owner

By Peter A. Murvin
(Title) - Secretary



RECEIVED

JUL 11 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 11, 1973

Surface Owner E. P. Smith
Address West Union, W. Va.
Mineral Owner See Below
Address _____
Coal Owner Flint Creek Coal Co.
Address 320 W. Main, Uniontown, Pa.
Coal Operator None
Address _____

Company MURVIN OIL CORPORATION,
Address Olney, Illinois 62450
Farm E. P. Smith Acres 37
Location (waters) Morgans Run / Buckeye Cr.
Well No. One Elevation 965'
District Grant County Doddridge
Quadrangle Centerpoint

Mineral Owners:
John L. Smith Heirs,
c/o Ernest Smith,
West Union, W. Va.
Roy Stubbs Heirs,
c/o Roy Stubbs,
West Union, W. Va.

THIS PERMIT MUST BE POSTED AT THE WELL SITE
All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for Drilling. This permit shall expire if
operations have not commenced by 11-11-73.

Robert H. Todd
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Mr. Wm. Blaser
Box 1857 PH: Farmington 393-9105

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 17, 19 73 by Ernest F. Smith, E¹ AL made to Fromax Leasing Co. and recorded on the _____ day of _____ 19____, in Doddridge County, Book _____ Page _____ (Not yet recorded)
XX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) Peter A. Masse Secy-Treas.
Well Operator

MURVIN OIL CORPORATION
Address _____ Street _____
of P.O. Box 297,
Well Operator _____
City or Town Olney, Illinois 62450
State _____

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

Rodd-1739 PERMIT NUMBER
47-017

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME GLENN L. HAUGHT & SONS NAME WARREN R. HAUGHT,
 ADDRESS Smithville, W. Va. 26178 ADDRESS Smithville, W. Va. 26178
 TELEPHONE 477-2222 TELEPHONE 477-2222
 ESTIMATED DEPTH OF COMPLETED WELL: 1950' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: BIG INJUN
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	200'	200'	70 Sacks
7			
5 1/2			
4 1/2		1950'	110 Sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 550'
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title