

33 00431 P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-033-00431 WELL NO.: Crawford #3
FARM NAME: Crawford, L.L. Bethel
RESPONSIBLE PARTY NAME: EXCO Resources (PA), LLC
COUNTY: Harrison DISTRICT: Elk
QUADRANGLE: Phillipi
SURFACE OWNER: John & Cathy Tomasic
ROYALTY OWNER: _____
UTM GPS NORTHING: 4333780.62 m
UTM GPS EASTING: 564850.68 m GPS ELEVATION: 375.18 m / 1230.91'

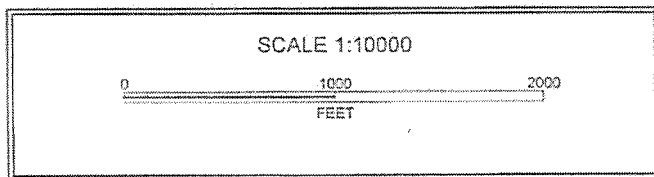
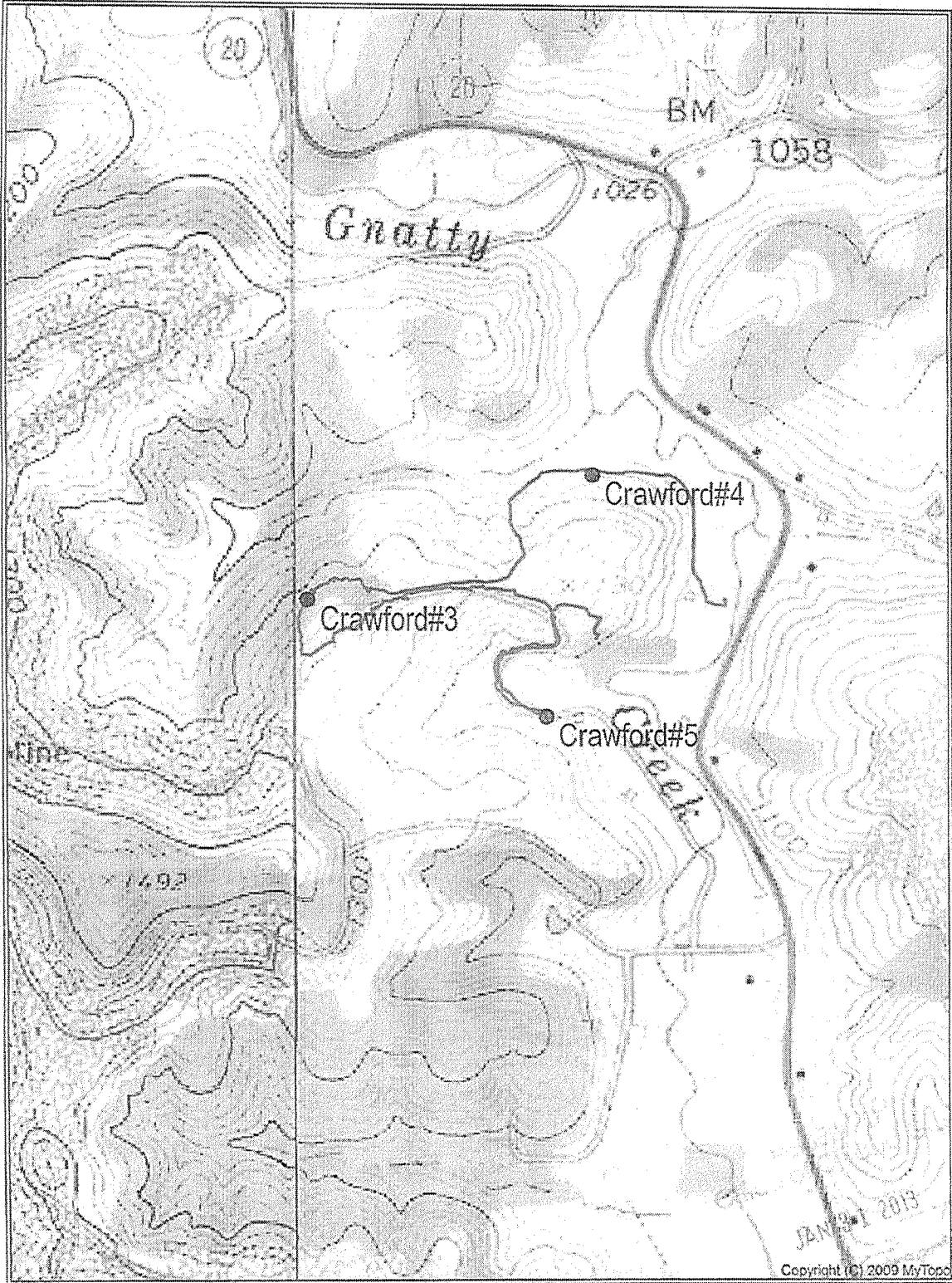
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS _____: Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS : Post Processed Differential _____
Real-Time Differential

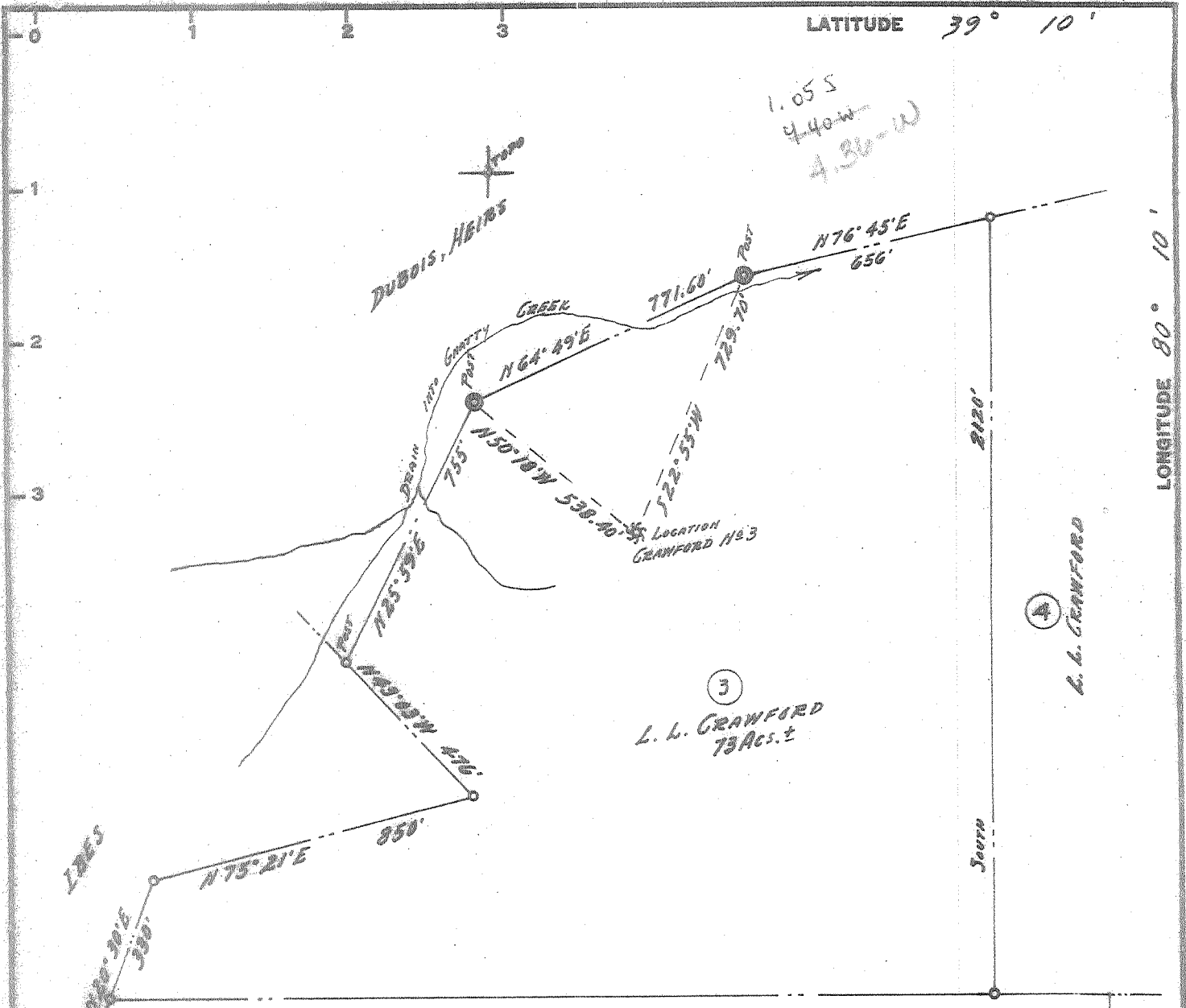
4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature] Construction Specialist I 2-20-13
Signature Title Date

33 00431 A



7-27-66 P. 3



"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"

Paul H. Bean

New Location...
 Drill Deeper...
 Abandonment...

B.M. REF. = Sct. OF RACCOON ROAD AT ROUTE 20 - 3000' ± N.E. OF LOCATION
 MINIMUM ERROR OF CLOSURE 1/5,000

Company CHICAGO BEARS FOOTBALL CLUB INC.
 Address 173 WEST MADISON ST., CHICAGO 2, ILL.
 Farm L. L. CRAWFORD
 Tract 3 Acres 73 ± Lease No. _____
 Well (Farm) No. THREE Serial No. _____
 Elevation (Spirit Level) 1245
 Quadrangle PHILIPPI - WC
 County HARRISON District ELK
 Engineer Paul H. Bean
 Engineer's Registration No. 1856
 File No. 136-9-6 Drawing No. 66-70
 Date JULY 18, 1966 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. HARR. 431

+ 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 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle Philippi
Permit No. Har-431

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Chicago Bears Football Club, Inc.
Address 173 W. Madison, St.; Chicago, Ill
Farm L. L. Crawford Acres 69.73
Location (waters) Gnatty Creek
Well No. 3 Elev. 1245
District Elk County Harrison
The surface of tract is owned in fee by L. L. Crawford
Rt. 2 Address Rt. 2, Lost Creek, 5 1/4 M, Va.
Mineral rights are owned by Same
Address _____

Drilling commenced Sept. 1, 1966
Drilling completed Nov. 27, 1966
Date Shot _____ From _____ To _____
With _____

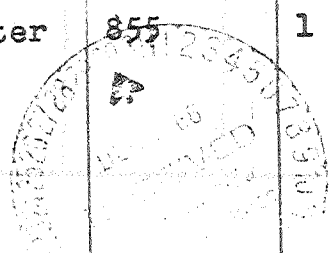
Open Flow 60 /10ths Water in 1 1/2 Inch
/10ths Merc. in _____ Inch
Volume 140,000 Cu. Ft.
Rock Pressure Not Taken lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) Dec. 10, 1966, Dowell 67,000 gal. Water, 80,000 lb. Sand
500gal. M. A., 30 gal. Freflo.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 8,000,000
ROCK PRESSURE AFTER TREATMENT 1,700 HOURS 24
Fresh Water 150 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 4,420

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.		18	
13.	275		
10.			Size of
8 1/4.	1594		
5 3/16.		275	Depth set
4 1/2.			
3.			Perf. top <u>4421</u>
2.			Perf. bottom <u>4425</u>
Liners Used			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record. Nov. 29, 1966
CASING CEMENTED 4 1/2 SIZE 4 1/2 Ft. 4466 Date
Amount of cement used (bags) 216
Name of Service Co Garatonn Service, Inc.
COAL WAS ENCOUNTERED AT Below Feet Coal _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface	Brown	Soft	0	14			
Sand	Yellow	Hard	14	37			
Shale	Red	Soft	37	48			
Sand	White	Hard	48	92			
Shale	Gray	Soft	92	115			
Shale	Red	Soft	115	148			
Sand	White	Hard	148	163	Water	150	Hole Full
Shale	Red	Soft	163	200			
Shale	Gray	Soft	200	360			
Shale	Red	Soft	360	386			
Shale	Gray	Soft	386	418			
L Dark Sand	Hazy	Hard	418	442			
Shale	Gray	Soft	442	486			
B Dark Sand	Gray	Hard	486	538			
Shale	Gray	Soft	538	763			
COS Sand	Gray	Hard	763	833			
Shale	Gray	Soft	833	838			
1 Sand	Gray	Hard	838	887	Water	855	1 Blr. Per
Shale	Gray	Soft	887	1060			
2 Sand	White	Hard	1060	1084			
Shale	Gray	Soft	1084	1215			
13 Sand	Gray	Hard	1215	1260			
Shale	Gray	Soft	1260	1269			
Shale	Red	Soft	1269	1340			
Lime	Gray	Hard	1340	1365			
max Shale	Gray	Soft	1365	1445			
Shale	Red	Soft	1445	1493			
Shale	Gray	Soft	1493	1505			





west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 04, 2013

WELL WORK PLUGGING PERMIT

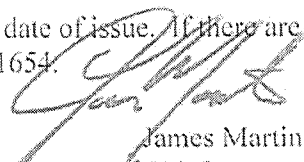
Plugging

This permit, API Well Number: 47-3300431, issued to EXCO RESOURCES (PA), LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto.

Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 3
Farm Name: CRAWFORD, L. L.
API Well Number: 47-3300431
Permit Type: Plugging
Date Issued: 03/04/2013

Promoting a healthy environment.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE 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.

Farm name: JOHN & CATHY TOMASIC Operator Well No.: L.L. CRAWFORD #3

LOCATION: Elevation: 1245' Quadrangle: PHILIPPI
District: ELK County: HARRISON
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

Company EXCO RESOURCES WV, INC. Coal Operator _____
PO BOX 8 or Owner _____
RAVENSWOOD, WV 26164

Agent DIANA STAMPER Coal Operator _____
or Owner _____

Permit Issued Date 03/04/2013

RECEIVED
Office of Oil & Gas

MAY 8 2013

WV Department of
Environmental Protection

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of HARRISON ss:

RONALD S. RUPERT and JEFF LEWIS 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 say that said work was commenced on the 15 day of APRIL, 2013, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
6% GEL	4450'	SURFACE	2182' OF 4 1/2" CASING	2284' OF 4 1/2" CASING
CEMENT	4450'	3803'	60' OF 6 5/8" CASING	215' OF 6 5/8" CASING
CEMENT	2182'	1600'	ZERO 16"	18' OF 16" CONDUCTOR
CEMENT	300'	SURFACE		

Description of monument: 7" CASING WITH API NUMBER WELDED ON SIDE
said well was completed on the 22 day of APRIL, 2013.

and that the work of plugging and filling said well was completed on the _____ day of _____, 20____.

And further deponents saith not.

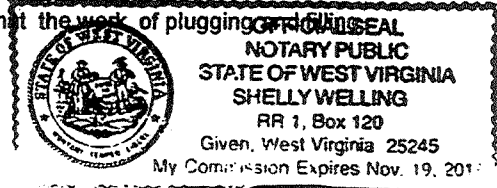
Ronald S. Rupert

Jeff Lewis

Sworn and subscribe before me this 29 day of April, 2013

My commission expires: 11/19/18

Shelly Welling
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Douglas Newton

Title: Oil & Gas 05/11/2013