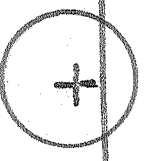


5.545
0.180



Minimum Error of Closure 1' in 200'

Source of Elevation B.M. at Centerpoint = 790'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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: [Signature]
Squares: N S E W

Map No.

Company McRain Petroleum Co.
 Address Buckhannon, West Va.
 Farm Vincent Lease
 Tract _____ Acres 90 Lease No. _____
 Well (Farm) No. one Serial No. _____
 Elevation (Spirit Level) 1122
 Quadrangle Centerpoint N6
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 8, 1972 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. DDP-1676

+ 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.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Center Point

Permit No. Dodd-1676

Company <u>McRain Petroleum Co., Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Drawer 690 Buckhannon, W. Va.</u>	Size			
Farm <u>Vincent</u> Acres <u>90</u>	20-16			
Location (waters) <u>Talkington Fork</u>	Cond.			
Well No. <u>1</u> Elev. <u>1122</u>	13-10"			
District <u>McClellan</u> County <u>Doddrige</u>	9 5/8			
The surface of tract is owned in fee by <u>Ray Starkey</u>	8 5/8	200	200	30 sacks
Address <u>Folsom, West Virginia</u>		1530	none	
Mineral rights are owned by <u>Shirley & Harold Vincent</u>	5 1/2			
Address <u>Baltimore, Maryland</u>	4 1/2	2093	2093	60 sacks
Drilling Commenced <u>6-13-72</u>	3			
Drilling Completed <u>7-24-72</u>	2			
Initial open flow <u>not taken</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>1,052 M</u> cu. ft. per day _____ bbls.				
Well open <u>8</u> hrs. before test <u>600</u> RP.				

Well treatment details:

Attach copy of cementing record.

Well treated with 250 gal acid, 25,000 #20-40 sand, 10,000# 10-20 sand, 702 bbl. water. Average treating pressure 2350 P.S.I.

Coal was encountered at 140 Feet 60 Inches
Fresh water 150 Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 2007-2062

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top soil			0	15		
Red Rock			15	70		
Slate			70	140		
Coal			140	145		
Slate			145	230		
Lime			230	340		
Sand			340	365		
Lime			365	515		
Slate			515	560		
Lime			560	610		
Slate			610	630		
Lime			630	645		
Red Rock			645	650		
Lime			650	680		
Sand			680	720		
Slate			720	760		
Sand			760	785		
Slate			785	805		
Red Rock			805	834		
Sand			834	855		
Lime			855	865		
Red Rock			865	900		
Lime			900	1100		

(over)

* Indicates Electric Log tops in the remarks section.

OCT 23 1972

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			1100	1160		
Sand			1160	1190		
Lime			1190	1306		
Sand			1306	1345		
Slate			1345	1370		
1st Salt Sand			1370	1420		
Slate			1420	1496		
Lime			1496	1506		
2nd Salt Sand			1506	1518		
Lime			1518	1530		
Slate			1530	1545		
Lime			1545	1630		
Slate			1630	1705		
Sand			1705	1730		
Slate			1730	1760		
Max. Sand			1760	1780		
Slate			1780	1795		
Little Lime			1795	1820		
Red Rock			1820	1893		
Pencil Slate			1893	1920		
Big Lime			1920	2007		
<u>Injun Sand</u>			2007	<u>2062</u>		
Squaw Sand			2062	2107		
TD			2107			

1920
1122
978

Date October 10, 1972

APPROVED McRain Petroleum Co., Inc. Owner

By Stephen E. Raines
(Title) Vice-President



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 June 13, 1972

Surface Owner Ray Starkey

Company McRain Petroleum Company, Inc.

Address Folsom, West Virginia 26348

Address Box 265 Buckhannon, W. Va. 26201

Mineral Owner Shirley R. & Harold Vincent

Farm Vincent Lease Acres 90

Address Baltimore, Maryland 21221

Location (waters) Talkington Fork

Coal Owner _____

Well No. 1 Elevation 1122

Address _____

District McClellan County Doddridge

Coal Operator _____

Quadrangle Center Point

Address _____

T.M. Wm.
INSPECTOR TO BE NOTIFIED Blosser
Box 29
Colfax W.Va. PH: Saintmont
26566 363-9105

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 Oct. 14, 1972.
[Signature]
Deputy Director - Oil & Gas Division

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 October 29, 1971 by Shirley R. and Harold V. Vincent made to McRain Petroleum Co., Inc. and recorded on the 2nd day of November 1971 in Doddridge County, Book 95 Page 161

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,
Joe M. Langley
(Sign Name) _____
Well Operator

Address of Well Operator _____
P. O. Box 265
Street
Buckhannon, West Virginia 26201
City or Town

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.

CASH DEPOSIT
HELD BY TREASURER

Dodd-1676 PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Joe McLaughlin
 ADDRESS _____ ADDRESS Box 265 Buckhannon, W. Va.
 TELEPHONE _____ TELEPHONE 472-1900
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS COMB. _____ 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	200'	200'	to surface
9 - 5/8			
8 - 5/8	1200'	none ?	
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 450 _____ , _____
 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