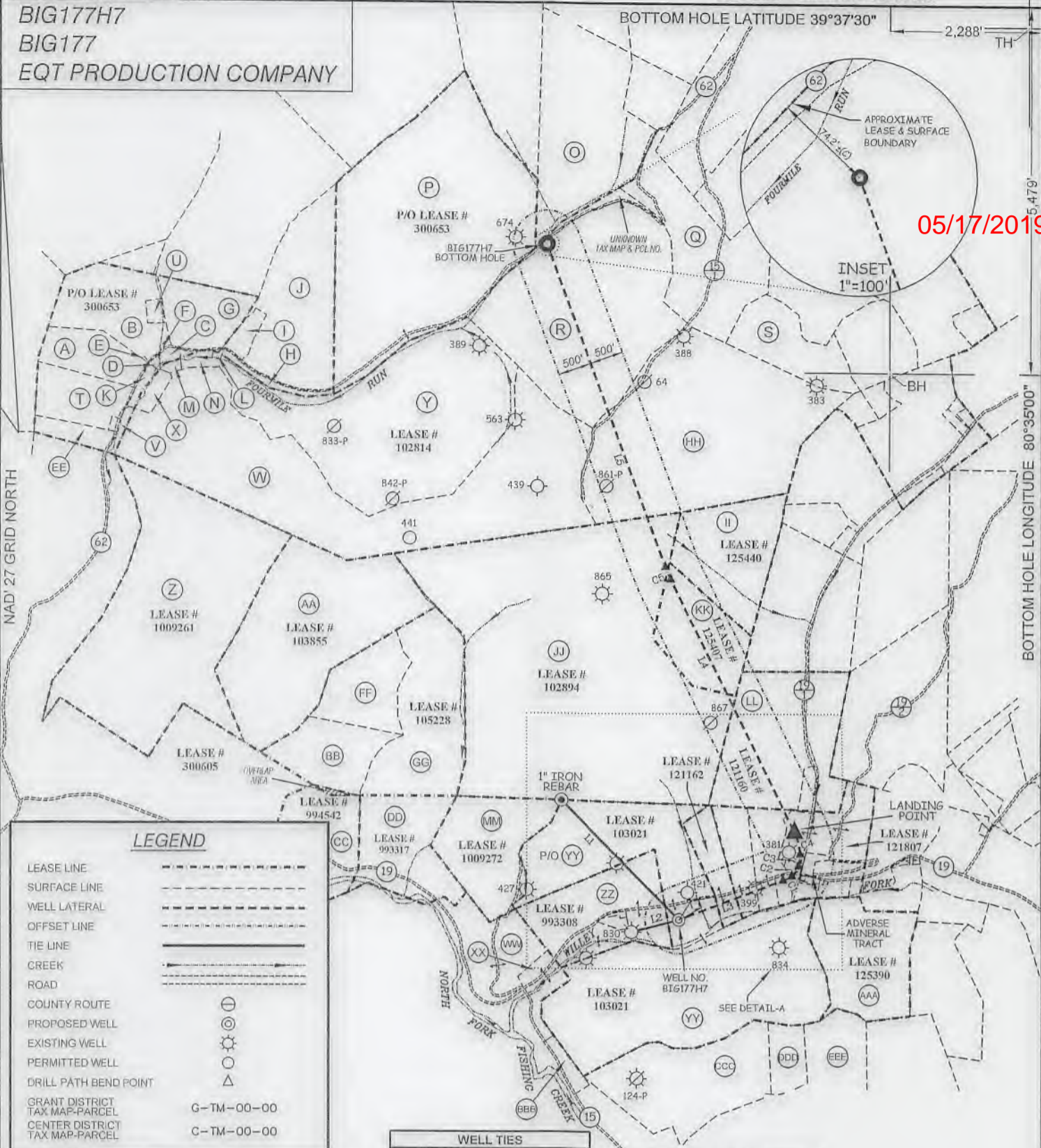


BIG177H7
BIG177
EQT PRODUCTION COMPANY

05/17/2019



LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	---
OFFSET LINE	----
TIE LINE	---
CREEK	---
ROAD	---
COUNTY ROUTE	○
PROPOSED WELL	⊙
EXISTING WELL	☼
PERMITTED WELL	⊗
DRILL PATH BEND POINT	△
GRANT DISTRICT TAX MAP-PARCEL	G-TM-00-00
CENTER DISTRICT TAX MAP-PARCEL	C-TM-00-00

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT)	N. 396,103.36	E. 1,694,465.46
NAD'27 GEO.	LAT-(N) 39.582473	LONG-(W) 80.584049
NAD'83 UTM (M)	N. 4,381,509.379	E. 535,736.861

LANDING POINT

NAD'27 S.P.C.(FT)	N. 397,413.17	E. 1,696,189.01
NAD'27 GEO.	LAT-(N) 39.586126	LONG-(W) 80.577990
NAD'83 UTM (M)	N. 4,381,917.208	E. 536,255.322

BOTTOM HOLE

NAD'27 S.P.C.(FT)	N. 406,138.92	E. 1,692,499.56
NAD'27 GEO.	LAT-(N) 39.609959	LONG-(W) 80.591456
NAD'83 UTM (M)	N. 4,384,556.814	E. 535,087.001

WELL TIES

ID	BEARING	DISTANCE
L1	N 44°24' W	2489.93'
L2	S 75°47' W	727.38'

LATERAL DATA

ID	BEARING	DISTANCE
L4	N 26°11' W	4181.89'
L5	N 20°14' W	5105.70'

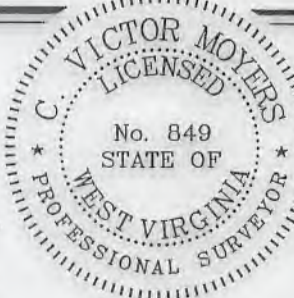
BUILD OUT DATA

ID	BEARING	DISTANCE
L3	N 69°01' E	1662.64'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C5	198.50'	1952.00'	N 23°12'43" W	198.41'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	148.28'	455.45'	N 64°26'18" E	147.61'
C2	177.55'	328.03'	N 33°45'42" E	175.30'
C3	179.77'	461.78'	N 07°53'08" E	178.64'
C4	341.01'	800.65'	N 14°21'31" W	339.43'

TOTAL LATERAL LENGTH = 9486.19'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. 6806PBIG177H7.dwg (513836)
SCALE 1" = 2000' 19
DATE FEBRUARY 26, 20
REVISED
OPERATORS WELL NO. BIG177H7

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*

WELL NO. 47 - 103 - 03299
STATE COUNTY PERMIT

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

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON
ADDRESS 2400 ANSYS DRIVE, SUITE 200 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
CANONSBURG, PA 15317 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

**BIG177H7
BIG177
EQT PRODUCTION COMPANY**

BOTTOM HOLE LATITUDE 39°37'30"

2,288'

TH

80°35'00" TOP HOLE LONGITUDE

80°35'00" BOTTOM HOLE LONGITUDE

05/17/2019

TAG	TAX MAP/PCL	SURFACE OWNERS	ACREAGE
A	G-TM-2-09	ROBERT W. DULANEY	22.87 AC.±
B	G-TM-2-10	HARLEY R. DULANEY, JR.	38.00 AC.±
C	G-TM-2-10.1	TEORA L. & SANDRA J. DULANEY	1.53 AC.±
D	G-TM-2-10.2	ROBERT W. DULANEY	0.45 AC.±
E	G-TM-2-10.3	ROBERT W. DULANEY	0.09 AC.±
F	G-TM-2-10.4	HARLEY R. DULANEY, JR.	0.130 AC.±
G	G-TM-2-11	EDWIN LEO & LINDA L. DULANEY	26.4 AC.±
H	G-TM-2-12	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	3.63 AC.±
I	G-TM-2-12.1	TEORA L. & SANDRA DULANEY	4.72 AC.±
J	G-TM-2-12.2	TEORA L. & SANDRA DULANEY	66.64 AC.±
K	G-TM-2-13	ROBERT W. DULANEY	2.14 AC.±
L	G-TM-2-14	TEORA L. & SANDRA J. DULANEY	0.488 AC.±
M	G-TM-2-15	TEORA L. & SANDRA J. DULANEY	1.023 AC.±
N	G-TM-2-16	TEORA L. DULANEY	3.187 AC.±
O	G-TM-3-05	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	179.00 AC.±
P	G-TM-3-13	EDWARD L. DULANEY II	164.75 AC.±
Q	G-TM-3-14	DOUGLAS J. STONEKING	70.60 AC.±
R	G-TM-3-23	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	167.75 AC.±
S	G-TM-3-24	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	35.89 AC.±
T	G-TM-7-02	ROBERT W. DULANEY	19.43 AC.±
U	G-TM-7-02.1	HARLEY R. DULANEY, JR.	2.00 AC.±
V	G-TM-7-02.2	CODY N. & WALTER N., JR. NORRIS	2.43 AC.±
W	G-TM-7-03	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	178 AC.±
X	G-TM-7-03.1	ROBERT W. DULANEY	4.00 AC.±
Y	G-TM-7-03.2	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	156.98 AC.±
Z	G-TM-7-9	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	170.875 AC.±
AA	G-TM-7-10	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	120.00 AC.±
BB	G-TM-7-32	STELLA & LEEK POSTLETHWAIT, ET AL	28.46 AC.±
CC	G-TM-7-33	JOHN R. & ROSA MARGELLEA COOK	20.00 AC.±
DD	G-TM-7-34	KENNETH & LORRAINE WILDMAN	44.60 AC.±
EE	G-TM-7-50	CODY N. & WALTER N., JR. NORRIS	10.00 AC.±
FF	G-TM-8-16	O. J. & MINNIE M. WYATT HEIRS	25.46 AC.±
GG	G-TM-8-17	KENNETH & LORRAINE WILDMAN	67.00 AC.±
HH	G-TM-8-01	DANNY STOCKSLAGER	170.00 AC.±
II	G-TM-8-10	GARLAND E. MINOR	48.10 AC.±

TAG	TAX MAP/PCL	SURFACE OWNERS	ACREAGE
JJ	G-TM-8-18	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	337.00 AC.±
KK	G-TM-8-19	PHILLIP & KIMBERLY SHREVE	46.45 AC.±
LL	G-TM-8-23	DALE DULANEY ET AL	70.81 AC.±
MM	G-TM-8-34	HALLIE HARDBARGER	54.01 AC.±
NN	G-TM-8-35	DEBORAH FRONCZEK ET AL	15.50 AC.±
OO	G-TM-8-36	JAMES L. & KAREN DULANEY	14.10 AC.±
PP	G-TM-8-37	JAMES L. & KAREN DULANEY	14.10 AC.±
QQ	G-TM-8-38	DALE K. & SHARON L. DULANEY	28.82 AC.±
RR	G-TM-8-43	JUDY K. UTT	3.25 AC.±
SS	G-TM-8-58	HIGGINS CHAPEL CHURCH OF CHRIST	0.99 AC.±
TT	G-TM-8-64	MARY EASTHAM ET AL	1.45 AC.±
UU	G-TM-8-65	IKEY & TINA WILLEY	2.15 AC.±
VV	G-TM-8-66	EQM GATHERING OPOC LLC	0.42 AC.±
WW	G-TM-13-04	JEFF, VIRGIL, JR. & DONNAH WILLEY	26.80 AC.±
XX	G-TM-13-04.3	JEFFERY L. WILLEY	3.35 AC.±
YY	G-TM-13-06	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	217.19 AC.±
ZZ	G-TM-13-05.1	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	55.06 AC.±
AAA	G-TM-13-07	MANSEL McDIFFITT ET AL	51.8 AC.±
BBB	G-TM-13-12	LESLIE LYDICK & SUSAN MIRACLE	15.2 AC.±
CCC	G-TM-13-13	LEEMAN E. & LINDA L. DUNN	67.5 AC.±
DDD	G-TM-13-14	LEEMAN E. & LINDA L. DUNN	12.5 AC.±
EEE	G-TM-13-15	ROBERT COLE ET AL	27.75 AC.±
FFF	G-TM-8-23.1	JAMES L. DULANEY	3.19 AC.±
GGG	G-TM-8-38.1	JAMES L. DULANEY	0.14 AC.±
HHH	G-TM-8-44	ELIAS LEASURE, JR.	1.60 AC.±
III	G-TM-8-47	ELIAS JR. & JOAN E. LEASURE	0.50 AC.±
JJJ	G-TM-8-46	ELIAS JR. & JOAN E. LEASURE	12 PERCHES
KKK	G-TM-8-45.1	ELIAS LEASURE, JR.	0.17 AC.±
LLL	G-TM-8-48	BIG RUN CEMETERY	100' X 125'
MMM	G-TM-8-47.1	DONALD J. DULANEY	0.19 AC.±
NNN	G-TM-8-45	DONALD J. DULANEY	9.83 AC.±

ROYALTY OWNERS		
ET BLUE GRASS, LLC ET AL	16 AC.±	LEASE NO. 121162
STONE HILL MINERAL HOLDINGS, LLC ET AL	80 AC.±	LEASE NO. 121807
ACROPOLIS INC., ET AL	74 AC.±	LEASE NO. 121160
NORMA JEAN PHILLIPS RIGGS, ET AL	46.45 AC.±	LEASE NO. 125407
EQT PRODUCTION COMPANY	300 AC.±	LEASE NO. 102894
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE ET AL	1030 AC.±	LEASE NO. 102814

- NOTES ON SURVEY**
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR GREATER, WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD. SEE REFERENCE BOX FOR DWELLING WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
 - WELL SPOT CIRCLE (SHEET 3) AND TOPO MARK (SHEETS 1, 2 & 3) SCALE IS 1" = 2000'.

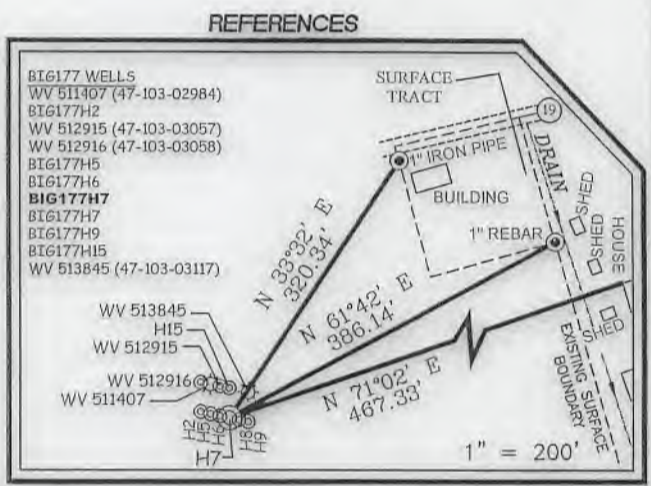
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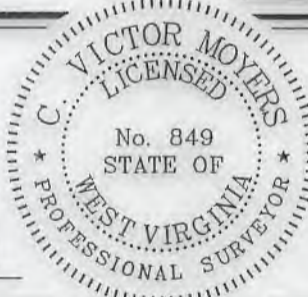


SLS
 Land & Energy Development
 Solutions from the ground up.
 P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26031 • (304) 462-5034
 www.slsww.com



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P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE FEBRUARY 26, 20 19

REVISED _____

OPERATORS WELL NO. BIG177H7


API WELL NO. 47 - 103 - 03219

STATE 47 COUNTY 103 PERMIT 03219

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6806PBIG177H7.dwg (513836)

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE SEE NOTE 2

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



WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: PAD ELEVATION 811' WATERSHED WILLEY FORK OF NORTH FORK FISHING CREEK

DISTRICT GRANT COUNTY WETZEL QUADRANGLE BIG RUN 7.5'

SURFACE OWNER COASTAL FOREST RESOURCES CO. d/b/a COASTAL TIMBERLANDS CO. ACREAGE 27± OF 217±

ROYALTY OWNER HIGGINS FAMILY TRUST, ET AL. ACREAGE 242.5

PROPOSED WORK: LEASE NO. 103021

DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,867'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON

ADDRESS 2400 ANSYS DRIVE, SUITE 200 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
CANONSBURG, PA 15317 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

BIG177H7
BIG177
EQT PRODUCTION COMPANY

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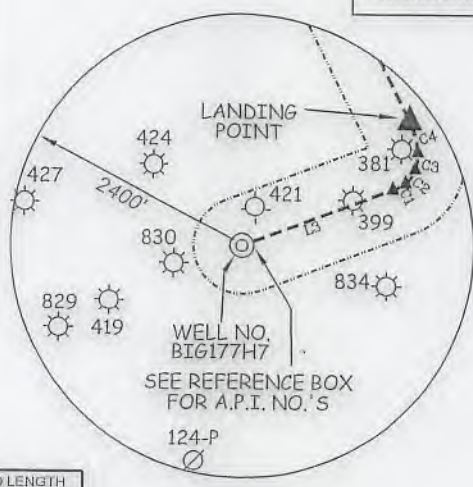
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05/17/2019

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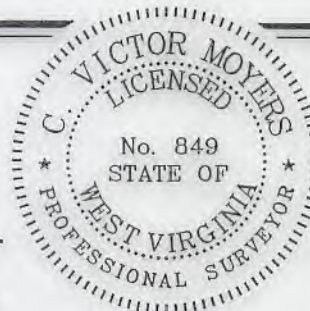
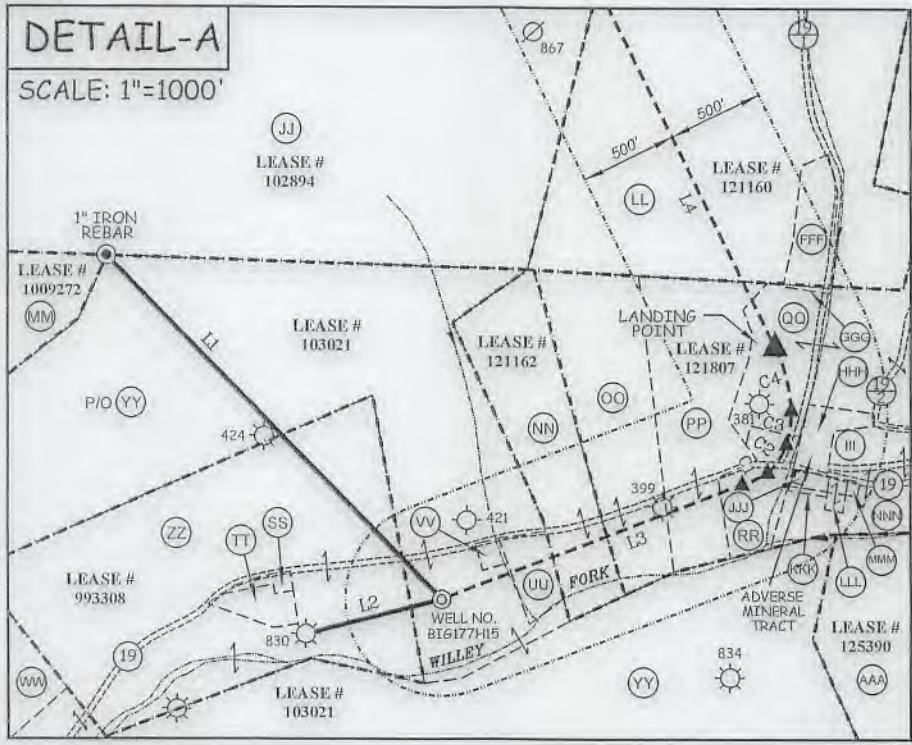
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 API WELL NO. 47-103-03299 H44
 STATE COUNTY PERMIT

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