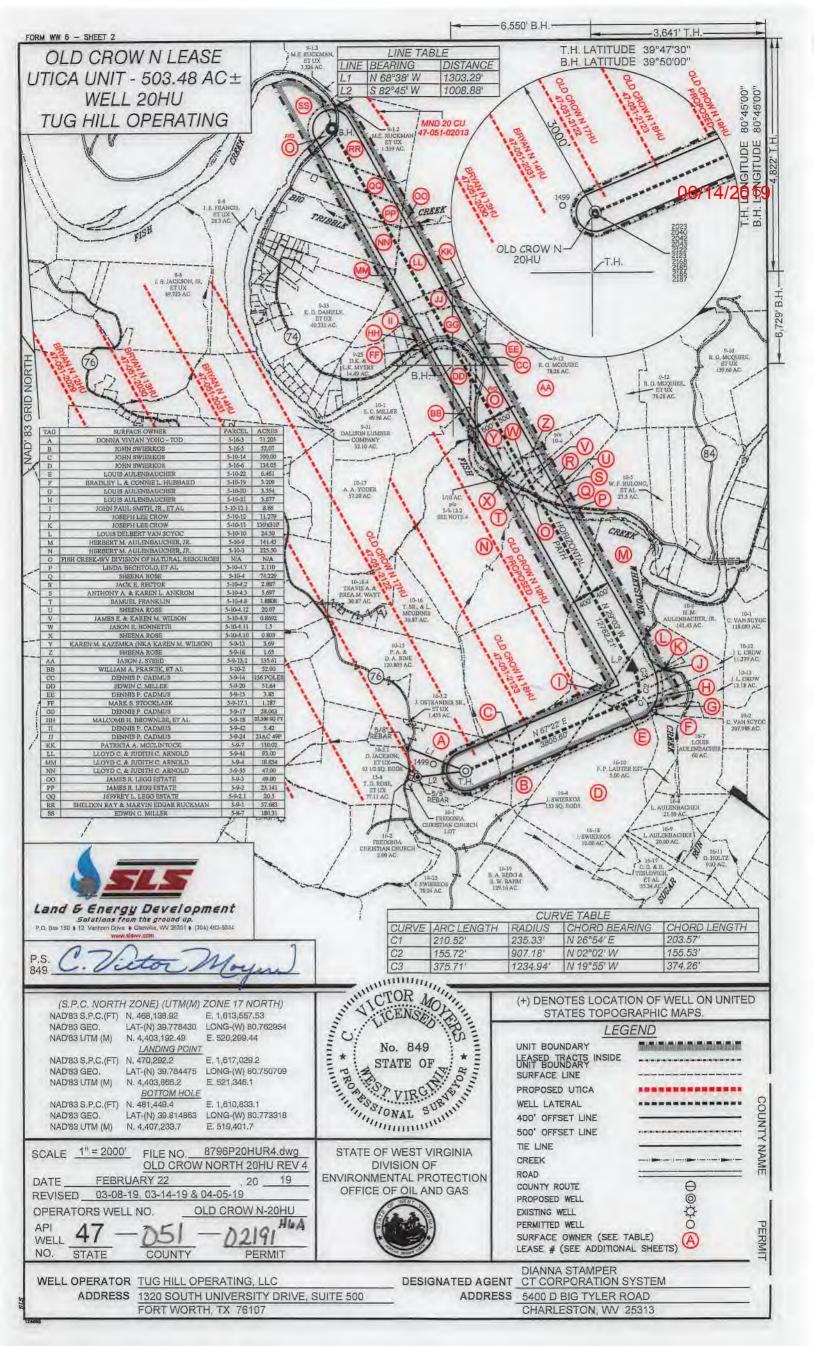
FORT WORTH, TX 76107

CHARLESTON, WV 25313



OLD CROW N LEASE UTICA UNIT - 503.48 AC± WELL 20HU TUG HILL OPERATING



No. Lease Name or No. Tag
1 10\*19340 A
2 10\*14919 B
3 10\*14920 C
4 10\*21468 D Oil & Gas Royalty Owners 5-10-22 5-10-19 5-10-19 10\*21468 10\*21468 JOHN A SWIERKOS BRADLEY LHUBBARD AND CONNIE LHUBBARD LOUIS AULENBACHER JOHN A SWIERKOS 10\*21468 F 10\*47051,261.4 F 5-10-20 LOUIS AUENBACHER
JOHN A SWIERKOS
JOHN A SWIERKOS
WILLIAM HUBBARD
BONNIEG ZELIC
JOHN P SMITH IR
BRADLEY L HUBBARD AND CONNIE L HUBBARD
JOSEPH LEE CROW
JOSEPH L CROW JR AND LORRY CROW
JOHN A SWIERKOS 953 317 882 536 JOHN A SWIERKOS LOUIS VAN SCYOC AND PATRICIA VAN SCYOC RACHEL B OSTRANDER 10\*21468 5-10-10 5-10-10 210 10\*22319 5-10-10 5-10-9 N O P P P Q R CHESTNUT HOLDINGS INC
STATE OF WEST VIRGINIA DIVISION OF NATURAL RESOURCES
LEE JONATHAN BECHTOLD
LINDA L & THOMAS G MCCORMICK
LW BECHTOLD
ALBERT F KAZEMKA
JACK E RECTOR
ANTHONY A ANKROM KAREN L ANKROM
SAMUEL D FRANKLIN AND RHONDA K FRANKLIN
ALBERT F KAZEMKA 419 476 468 462 419 10\*19163 10\*18158 33 5-10-4.12 5-10-4.9 5-10-4.11 5-10-4.10 ALBERT F KAZEMKA 10\*19Z48 10\*19131 V LISA D ELSON 10\*19131 V 10\*19108 W 10\*19107 X 10\*47051.162.0 Y 10\*19107 Z 10\*47051.170.0 AA 10\*47051.127.1 DD 10\*47051.127.1 DD 10\*10576 EE 10\*21444 EE JASON E BONNETTE ALBERT F KAZEMKA ALBERT F KAZEMKA
KAREN MWILSON
ALBERT F KAZEMKA
JASON J STEED
WILLIAM A PRASCIK, CATHERINE A PRASCIK, LORI J PRASCIK, FRANCIS C PRASCIK
DENNIS P CADMUS
EDWIN C MILLER AND KIMBERLY ANN MILLER
OWG DIL & GAS ACQUISTIONS LLC
CHARLES R STOCKTON AND BETTY M HUDSON STOCKTON
MARY EBISHOP 873 808 311 885 61 EE MARY EBISHOP WOODROW N WARD AND HILDA A WARD EE CHILDRENS HOME SOCIETY OF WEST VIRGINIA GARY A MILLER AND MARCELLET MILLER JEANNE M MILLER BONNIE LOU POSTLEWAIT 313 ROBERT A MILLER
KENNETH A LED AND CARLA JO ALLEN
WHEELING SOCIETY FOR CRIPPLED CHILDREN JAYE PRAGER PRESIDENT
MICHAEL A BISHOP
DOUGLAS R BISHOP
NOAH BAKER AND AUSA BAKER
RACHEL SONDA AND SCOTT SONDA
BRADLEY MURPHY 572 EE EE EE 421 10\*22296 10\*22326 10\*22407 10\*22430 BRADLEY MURPHY
DEBORAH VANVRANKEN
GERALD L BISHOP I III
FAITH MARIE RREESTONE AND ERIC FREESTONE
LAWRENCE EDWARD MURPHY AND JOAN MARIE MURPHY
KENNETH A MILLER
ROBERT B MURPHY AND LINDA MURPHY
CHANDA WILSON AND DANIEL WILSON
DEAN'S CARR
MICHAEL A MURPHY
ARTHUR LEE MILLER ET AL
JONATHAN BAKER
LORETTA JEAN RIGGLE ET VIR
PATTY BERISFORD ET VIR
ROBERT RANDOLPH WOODBURN ET UX
WILLIAM EM ILLER AND KAREN'S MILLER
SANDRA PARDINI, AKA KATHERINE'S PARDINI AND ALLEN F PARDINI
DWIG OIL & GAS ACQUISITION'S LLC 5-9-15 5-9-15 61 10\*22451 10\*22492 EE 964 972 EE 1031 76 DWG OIL & GAS ACQUISITIONS LLC CHARLES R STOCKTON AND BETTY M HUDSON MARY E BISHOP 232 10\*21473 10\*21475 10\*21478 10\*21547 10\*21548 10\*21608 10\*21719 10\*21835 WOODROW N WARD AND HILDA A WARD WODOROW N WARD AND HILDA A WARD
CHILDREN FOME SOCIETY OF WEST VIRIGINIA
GARY A MILLER AND MARCELLET MILLER
JEANNE M MILLER
BONNIE LOU POSTLEWAIT
ROBERT A MILLER
KENNETH ALLEN AND CARLA JO ALLEN
WHEELING SOCIETY FOR CRIPPLED CHILDREN JAY E PRAGER PRESIDENT
MICHAEL A BISHOP FF FF FF FF FF FF FF DOUGLAS R BISHOP
NOAH BAKER AND AUSA BAKER
RACHEL SONDA AND SCOTT SONDA
BRADLEY MURPHY 5-9-17.1 5-9-17.1 89 10\*22296 90 5-9-17.1 5-9-17.1 962 532 962 575 91 964 510 964 31 972 50 DEBORAH VANVRANKEN FF DEBORAH VANVRANKEN
GERALD L BISHOP III
FAITH MARIE FREESTONE AND ERIC FREESTONE
LAWRENCE EDWARD MURPHY AND JOAN MARIE MURPHY
KENNETH A MILLER
ROBERT B MURPHY AND LINDA MURPHY
CHANDA WILSON AND DANIEL WILSON
DEAN S CARR
MICHAEL A MURPHY

06/14/2019

FILE NO. 8796P20HUR4.dwg OLD CROW NORTH 20HU REV 4 8796P20HUR4.dwg

FEBRUARY 22

REVISED 03-08-19, 03-14-19 & 04-05-19

NO.

OLD CROW N-20HU OPERATORS WELL NO. WELL 47 -051 STATE COUNTY

02191 464 PERMIT



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



WELL OPERATOR TUG HILL OPERATING, LLC

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

DIANNA STAMPER
DESIGNATED AGENT CT CORPORATION SYSTEM

**ADDRESS** 5400 D BIG TYLER ROAD CHARLESTON, WV 25313 COUNTY NAME

OLD CROW N LEASE UTICA UNIT - 503.48 AC± WELL 20HU TUG HILL OPERATING



1027 187 1027 558 Oll & Gas Royalty Owners No. Lease Name or No. Tag ARTHUR LEE MILLER ET AL
JONATHAN BAKER
LORETTA JEAN RIGGLE ET VIR
PATTY BERISFORD ET VIR ROBERT RANDOLPH WOODBURN ET UX
WILLIAM E MILLER AND KAREN S MILLER
SANDRA PARDINI AKA KATHERINE S PARDINI AND ALLEN F PARDINI 5-9-17.1 5-9-17.1 106 0,090332001 FF FF SANDRA PARDINI AKA KATHERINES PARDINI AN DWG OIL & BAS ACQUISITIONS LIC CHARLES R STOCKTON AND BETTY M HUDSON MARY E BISHOP WOODROW N WARD AND HILDA A WARD CHILDRENS HOME SOCIETY OF WEST VIRGINIA GARY A MILLER AND MARCELLE T MILLER JEANNEM MILLER BONNIE ELD POSTLEWAIT GG GG GG GG GG 938 310 113 114 GG GG GG BONNIE LOU POSTLEWAIT ROBERT A MILLER 313 115 10\*2160 116 10\*2171 KENNETH ALLEN AND CARLA JO ALLEN
WHEELING SOCIETY FOR CRIPPLED CHILDREN JAY E PRAGER PRESIDENT 10°21835 GG GG 5-9-17 5-9-17 118 10\*2204 10\*2204 10\*2229 10\*2232 10\*2240 10\*2243 MICHAEL A BISHOP
DOUGLAS R BISHOP
DOUGLAS R BISHOP
NOAH BAKER AND ALISA BAKER
RACHEL SONDA AND SCOTT SONDA
BRADLEY MURPHY
DEBORAH VANVRANKEN
GERALD L BISHOP III
FAITH MARIE FREESTONE AND ERIC FREESTONE
LAWRENCE EDWARD MURPHY AND JOAN MARIE MURPHY
KENNETH A MILLER
ROBERT B MURPHY AND LINDA MURPHY
CHANDA WILSON AND DANIEL WILSON
DEAN'S CARR
MICHAEL A MURPHY
ARTHUR LEE MILLER ET AL
JONATHAN BAKER
LORETTA JEAN RIGGLE ET VIR 119 GG GG GG GG GG GG GG GG 200 10\*22451 10\*22492 10\*22547 10\*22566 10\*22606 128 129 226 131 GG GG GG GG GG GG GG GG HH HH 132 5-9-17 JONATHAN BAKER

LORETTA JEAN RIGGLEET VIR

PATTY BERISFORD ET VIR

ROBERT RANDOLPH WOODBURN ET UX

WILLIAME MILLER AND KAREN'S MILLER

SANDRA PARDINI ARK AKTHERINE'S PARDINI AND ALLEN F PARDINI

DWG DIL & GAS ACQUISITIONS LLC

CHARLES R STOCKTON AND BETTY M HUDSON

MARY FERSHOP 139 HH MARY E BISHOP WOODROW N WARD AND HILDA A WARD 232 143 10\*21478 CHILDRENS HOME SOCIETY OF WEST VIRGINIA GARY A MILLER AND MARCELLE T MILLER HH 10\*21548 10\*21608 10\*21719 10\*21835 10\*21937 10\*22044 10\*22045 10\*2229 HH HH HH HH HH JEANNE M MILLER DEANNE MMILER
BONNIE LOU POSTLEWAIT
ROBERT A MILLER
KENNETH ALLEN AND CARLA JO ALLEN
WHEELING SOCIETY FOR CRIPPLED CHILDREN JAY E PRAGER PRESIDENT
MICHAEL A BISHOP
DOUGLÁS R BISHOP
NOAH BAKER AND AUSA BAKER 313 572 NOAH BAKER AND AUSA BAKER RACHEL SONDA AND SCOTT SONDA BRADLEY MURPHY 10\*22326 10\*22407 10\*22430 DEBORAH YANVRANKEN
GERALD L BISHOP HI I
FAITH MARIE FREESTONE AND ERIC FREESTONE
LAWRENCE EDWARD MURPHY AND JOAN MARIE MURPHY
KENNETH A MILLER
ROBERT B MURPHY AND LINDA MURPHY
CHANDA WILSON AND DANIEL WILSON
DEAN'S CARR
MICHAEL A MURPHY
ARTHUR LEE MILLER ET AL
JONATHAN BAKER
LORETTA LEAR RIGGLE ET VIR
PAITY BERISFORD ET VIR
ROBERT RANDOJPH WOODBURN ET UX
WILLIAME MILLER AND KAREN'S MILLER
SANDRA PARDINI, AKA KATHERINE'S PARDINI AND ALLEN F P DEBORAH VANVRANKEN 156 10\*22451 10\*22492 10\*22547 10\*22566 10\*22606 10\*22636 10\*23035 10\*23508 10\*24888 964 972 HH 5-9-18 5-9-18 5-9-18 860 170 0,090332001 HH 171 HH SANDRA PARDINI AKA KATHERINE S PARDINI AND ALLEN F PARDINI DWG OIL & GAS ACQUISITIONS LLC 10\*18796 10\*21414 10\*21473 10\*21475 10\*21478 10\*21547 10\*21548 10\*21508 10\*21719 10\*21835 10\*21937 CHARLES R STOCKTON AND BETTY M HUDSON 310 CHARLES RSTOCKTON AND BETTY MINOS
MARY E BISHOP
WOODROW I WARD AND HILDA A WARD
CHILDRENS HOME SOCIETY OF WEST VIRGI
GARY A MILLER AND MARCELLE T MILLER
JEANNE MILLER
DONNIE COLL PRIST EWALT 232 178 JEANNE M MILLER
BONNIE LOU POSTLEWAIT
ROBERT A MILLER
KENNETH ALLEN AND CARLA JO ALLEN
WHEELING SOCIETY FOR CRIPPLED CHILDREN JAYE PRAGER PRESIDENT
CHILDRENS HOME SOCIETY OF WV
MICHAEL A BISHOP 180 182 11 183 10\*22043 184 960 421 DOUGLAS R BISHOP
NOAH BAKER AND AUSA BAKER
RACHELSONDA AND SCOTT SONDA
BRADLEY MURPHY
DEBORAH VANVRANKEN
GERALD. BISHOP III
FAITH MARIE FREESTONE AND ERIC FREESTONE
LAWRENCE EDWARD MURPHY AND JOAN MARIE MURPHY
KENNETH A MILLER 532 191 XENNETH A MILLER
ROBERT B MURPHY AND LINDA MURPHY
CHANDA WILSON AND DANIEL WILSON 193 197 11

06/14/2019

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FEBRUARY 22 , 20 \_

REVISED 03-08-19, 03-14-19 & 04-05-19

OPERATORS WELL NO. OLD CROW N-20HU

051 02191 47 WELL NO. STATE COUNTY



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



P.S. 849

WELL OPERATOR TUG HILL OPERATING, LLC

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

DIANNA STAMPER
DESIGNATED AGENT CT CORPORATION SYSTEM

ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313 COUNTY NAME

OLD CROW N LEASE UTICA UNIT - 503.48 AC± WELL 20HU TUG HILL OPERATING



 
 No.
 Lease Name or No.
 Tag

 201
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 II

 202
 Q090332007
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 203
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 204
 PENDING
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 205
 CVX866958
 IJ

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 JJ
 Grantor, Lessor, etc. Deed Book/Page PATTY BERISFORD ET VIR RÖBERT RANDOLPH WOODBURN ET UX WILLIAM E MILLER AND KAREN S MILLER SANDRA PARDINI AKA KATHERINE S PARDINI AND ALLEN F PARDINI ANITA L SLOUGH ET AL PAUL SCHEIBELHOOD ET AL CHARLES W. MILLER CLARA MAE CUFTON 629 CVX935271 59 426 449 418 DONNA FAE KYLE
GEORGE EDWARDS ET UX
JUDITH MAY CONNER
LLOYD C., ARNOLD ET UX
MARY JO CRONIN
PAUL PARSONS ET UX
RICHARD KURPILET UX
SHARON LYN RUSSELL
TIMOTHY HUFF ET UX
P & D REALITY
LLOYD C ARNOLD AND JUDITH C ARNOLD
LLOYD C ARNOLD AND JUDITH C ARNOLD
ANITA L SLOUGH ET AL
PAUL SCHEIBELHOOD ET AL JJ DONNA FAE KYLE CVX936062 CVX936113 CVX936053 CVX936054 853 211 JJ 5-9-24 853 864 214 CVX935C954 JJ
214 CVX935C773 JJ
215 CVX935C76 JJ
216 CVX935276 JJ
217 CVX935969 JJ
218 10\*47051.097,0 KK
219 PRODING LL
220 CVX939752 MM
221 CVX866959 NN
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CLARA MAE CUIFTON
DONNA FAE KYLE
GEORGE EDWARDS ET UX
JUDITH MAY CONNER
LLOYD C. ARNOLD ET UX
MARY JO GRONIN
PAUL PARSONS ET UX
RICHARD KURPIL ET UX
SHARON LYN RUSSELL
TIMOTHY HUFF ET UX 223 5-9-35 5-9-35 5-9-35 5-9-35 5-9-35 5-9-35 5-9-35 224 NN NN NN NN NN NN 43 853 231 853 422 TIMOTHY HUFF ET UX
JAMES REDMAN LEGG II ET AL
JAMES REDMAN LEGG II ET AL 5-9-35 5-9-3 5-9-2 5-9-2.1 PP QQ Q081124002 Q081124002 235 Q081123002 JEFFREY L LEGG JESSIE GLADYS RUCKMAN ET AL EDWIN C MILLER AND KIMBERLY ANN MILLER Q083757000 10\*21546

06/14/2019

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REVISED 03-08-19, 03-14-19 & 04-05-19

OPERATORS WELL NO. OLD CROW N-20HU API 02191 47 WELL NO. STATE

PERMITHEA COUNTY

No. 849
STATE OF VIRCHARD

DIANNA STAMPER

DESIGNATED AGENT CT CORPORATION SYSTEM

CHARLESTON, WV 25313

STATE OF WEST VIRGINIA DIVISION OF

**ENVIRONMENTAL PROTECTION** OFFICE OF OIL AND GAS

849

COUNTY NAME

WELL OPERATOR TUG HILL OPERATING, LLC **ADDRESS** 

1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

**ADDRESS** 5400 D BIG TYLER ROAD