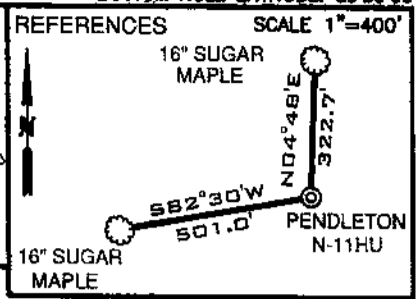
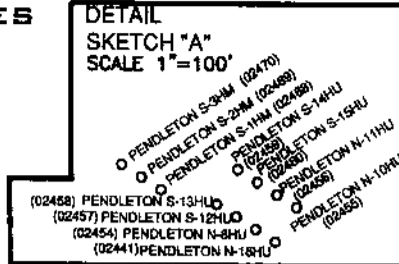
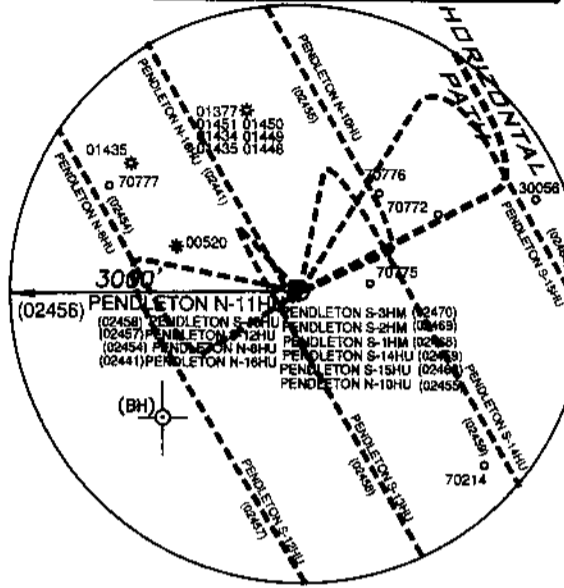
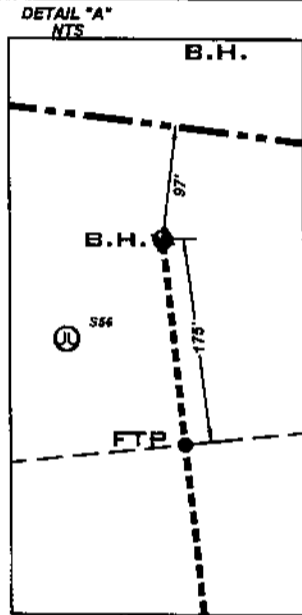


**PENDLETON N-11HU
UTICA UNIT - 564.526± ACRES
TUG HILL OPERATING**

LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	POINT PLEASANT LEGS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)



CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 48° 41' E	78.29'	170.11'	79.00'
C2	N 24° 41' E	97.16'	270.74'	97.69'
C3	N 07° 50' E	119.99'	507.20'	120.27'
C4	N 03° 27' W	144.59'	876.05'	144.75'
C5	N 15° 06' W	263.87'	1167.66'	264.44'
C6	N 25° 03' W	242.17'	1687.34'	242.38'



- NOTES**
- BORE PATH BASED ON GRID NORTH.
 - NO WATER WELLS WITHIN 250' OF WELL WERE FOUND. NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
 - OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN FEBRUARY 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
 - ALL DEEP WELLS SHOWN ON THIS PLAT.
 - BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE P.C. FILE 0058304.0401147
 - LINE FOR S-16-7, 8, 9, 10, 11, & 9-13-3 WERE SURVEYED BY SLS.
 - L.P.1. AND L.T.P. ARE SAME POINT.

Deep Wells Within 2400' of Proposed Well's Surface Location and/or 500' of Well Laterals

API	OPERATOR
47-051-02441	Tug Hill Operating, LLC
47-051-02455	Tug Hill Operating, LLC
47-051-02456	Tug Hill Operating, LLC
47-051-02457	Tug Hill Operating, LLC
47-051-02458	Tug Hill Operating, LLC
47-051-02459	Tug Hill Operating, LLC
47-051-02460	Tug Hill Operating, LLC

SURFACE HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,400,425.91 E) 522,805.60
LANDING POINT 1 UTM. NAD83, ZONE 17 IN METERS N) 4,401,018.18 E) 523,380.72
BOTTOM HOLE UTM. NAD83, ZONE 17 IN METERS N) 4,406,918.31 E) 519,968.59

LINE	BEARING	DISTANCE
L1	N 00° 50' E	2,851.35'
L2	N 76° 33' W	2,406.19'
L3	N 62° 41' E	643.70'
L4	N 62° 27' E	205.58'
L5	N 62° 21' E	388.33'

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER _____
DRAWING NUMBER: **PENDLETON N-11HU REV.3**
SCALE: **1" = 2000'**
MINIMUM DEGREE OF ACCURACY: **1/200**
PROVEN SOURCE OF ELEVATION: **SUBMETER MAPPING**
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1480
Clarksburg, WV 26302
304-623-5851

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET, SE
CHARLESTON, WV 25304

DATE: **JANUARY 16, 2023**
OPERATORS WELL NO. **PENDLETON N-11HU**
API WELL NO. **47-051-02456**
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP SHALLOW ___
LOCATION ELEVATION **1271.82'** WATERSHED (HUC 10) **FISH CREEK**
DISTRICT **FRANKLIN** COUNTY **MARSHALL**
QUADRANGLE **GLEN EASTON 7.5'** LEASE NUMBER **SEE WW-6A1 Form**
SURFACE OWNER **ALPINE FARM, LLC** ACREAGE **249.07**
OIL & GAS ROYALTY OWNER **ELI A. & FANNIE MAE WENGERD, ET AL** LEASE ACREAGE **249.07**
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____
TARGET FORMATION **POINT PLEASANT** PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
ESTIMATED DEPTH **TVD: 11,810' TMD: 34,860'**
WELL OPERATOR **TUG HILL OPERATING, LLC** DESIGNATED AGENT **DARREN BROWN, CT CORP**
ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107** ADDRESS **5098 WASHINGTON STREET WEST, SUITE 407 CHARLESTON, WV 25313-1561**

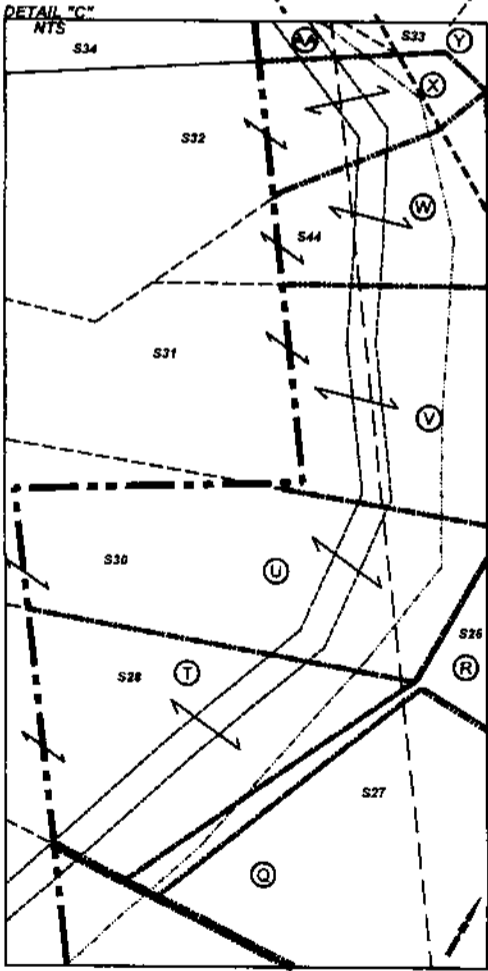
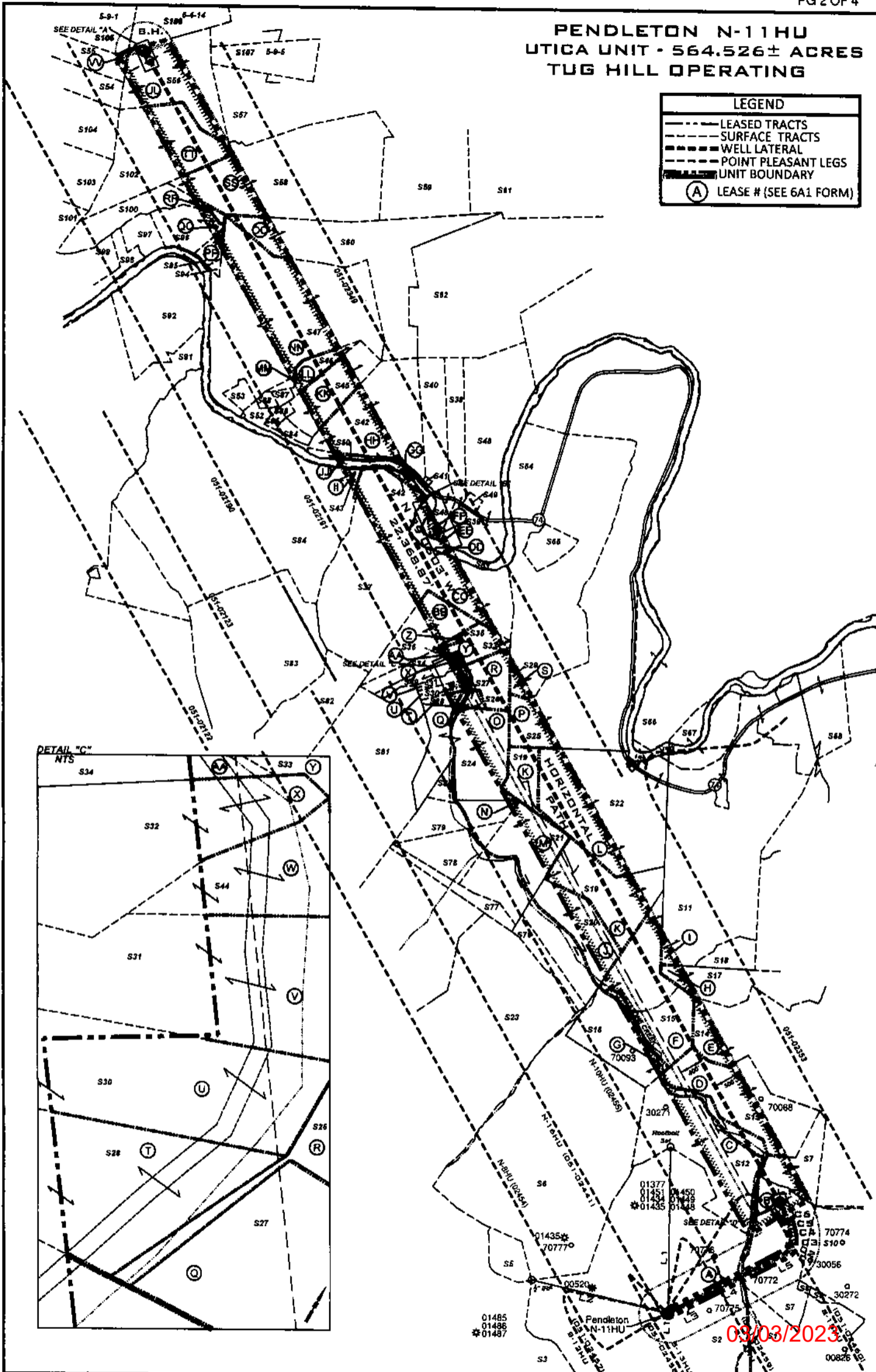
03/03/2023

COUNTY NAME
PERMIT

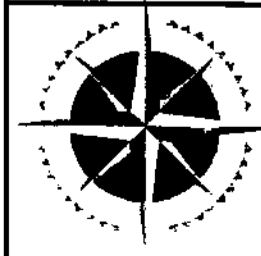
**PENDLETON N-11HU
UTICA UNIT - 564.526± ACRES
TUG HILL OPERATING**

LEGEND

- LEASE TRACTS
- - - SURFACE TRACTS
- - - WELL LATERAL
- - - POINT PLEASANT LEGS
- - - UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)



09/03/2023



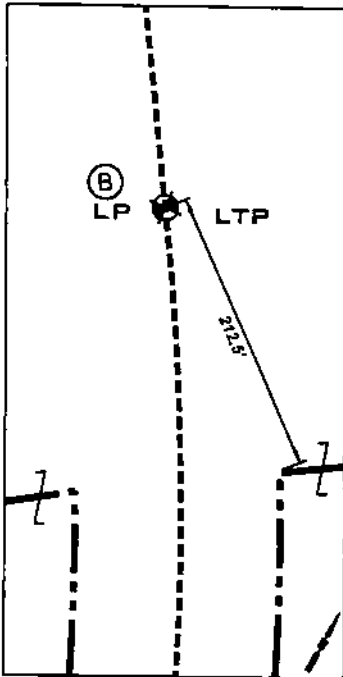
**TUG HILL
OPERATING**

OPERATOR'S
WELL #1 PENDLETON N-11HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API: 47-051-02456

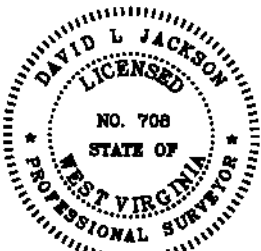
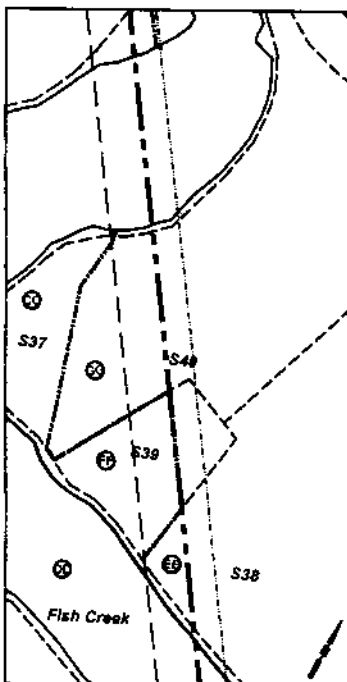
WELL PLAT
PAGE 2 OF 4
DATE: 01/16/2023

PENDLETON N-11HU
 UTICA UNIT - 564.526± ACRES
 TUG HILL OPERATING

DETAIL "D"
 NTS



DETAIL "B"
 NTS



P.S.
 708

David L Jackson

A	S2	05-17-06	ALPINE FARM LLC	249.07
B	S7	09-16-03	BERTHA L. KLUG	71
C	S12	05-17-05	ALPINE FARM LLC	76.96
D	S13	09-16-02	ROBERT & NANCY MCCARDLE	53.40
E	S14	09-16-05	ROBERT M. & NANCY R. MCCARDLE	133
F	S15	09-16-01	ROBERT M. & NANCY R. MCCARDLE	46.80
G	S16	05-16-13	DAVID ALAN RUBICICH ET AL	33.31
H	S17	09-13-25	ROBERT M. & NANCY R. MCCARDLE	48
I	S11	09-13-05	SCOTT D. & KRISTAL HICKMAN	190.12
J	S28	09-13-01	LOUIS VAN SCYOC	46.13
K	S19	09-13-02	SYLVIA J VAN SCYOC & REBECCA K. JOHNSON, WAMETTA V. & NORMAN G. JOHNSON - LIFE	41.5
L	S22	09-13-04	LOUIS AULENBACHER	100.291
M	S21	09-13-03	LOUIS VAN SCYOC	52.4
N	S79	05-16-08	LOUIS AULENBACHER	21
O	S14	05-16-07	LOUIS AULENBACHER	50
P	S15	09-10-02	CARD VAN SCYOC EST.	207.988
Q	S27	05-10-13.1	DAVID LEE QUIGLEY, JR.	2.88
R	S26	05-10-13	JOSEPH LEE CROW	12.18
S	S29	09-10-01	CARD VAN SCYOC EST.	118.067
T	S28	05-10-19	LOUIS AULENBACHER	3.208
U	S30	05-10-20	LOUIS AULENBACHER	3.554
V	S31	05-10-21	LOUIS AULENBACHER	3.677
W	S44	05-10-22	LOUIS AULENBACHER	6.461
X	S32	5-10-22.2	BRADLEY L. & CONNIE L. HUBBARD	0.305
Y	S13	05-10-12	JOSEPH LEE CROW	11.279
Z	S35	05-10-11	JOSEPH LEE CROW	1
AA	S34	05-10-12.1	JOHN PAUL SMITH, JR. ET AL	8.86
BB	S36	05-10-10	LOUIS DELBERT VAN SCYOC	24.50
CC	S37	05-10-09	HERBERT M. AULENBACHER, JR.	141.43
DD	S63	FISH CREEK	WV DIVISION OF NATURAL RESOURCES	NA
EE	S38	05-10-07	WILLIAM F. RULONG, ET AL	22.872
FF	S39	05-10-06	WILLIAM F. RULONG, ET AL	0.95
GG	S40	05-10-05	WILLIAM F. RULONG, ET AL	27.5
HH	S42	05-10-04	JASON I. STEED	74.229
II	S84	05-10-03	HERBERT M. AULENBACHER, JR.	225.50
JJ	S50	05-10-4.7	CARLL & LAURA A. GILBERT	2.11
KK	S45	05-10-04.12	JASON I. STEED	20.07
LL	S46	05-10-04.13	SHEENA ROSE	7.393
MM	S51	05-10-4.14	JASON I. STEED	1.184
NN	S47	05-09-13.2	JASON I. STEED	135.61
OO	S60	05-09-12	ROBERT GREGORY MCGUIRE	78.28
PP	S85	05-09-15	DENNIS P. CADMUS	3.85
QQ	S96	05-09-17	DENNIS P. CADMUS	28.063
RR	S108	05-09-24	DENNIS P. CADMUS	21A48P
SS	S58	05-09-07	PATRICIA MCCLINTOCK	110.02
TT	S102	05-09-41	LLOYD C. & RUTH C. ARNOLD	93
UU	S56	05-09-03	JAMES R., II & DEDE LEGG ET AL	49
VV	S55	05-09-02.1	JEFFREY L. LEGG	20.5
SS	S1	09-18-01	THERESA MAE LDING THOMAS ET AL	58.66
SS	S3	05-17-08	ROGER H. HALL, JR	257.50
SS	S4	05-24-02	ROY FRIEDYHO	316.80
SS	S5	05-17-07	ALPINE FARM LLC	10.8
SS	S6	05-17-04	ALPINE FARM LLC	212
SS	S8	09-18-03	BERTHA L. KLUG	1.33
SS	S9	09-18-04	BERTHA L. KLUG	1
SS	S10	09-16-04	BERTHA L. KLUG	73.39
SS	S18	09-13-25	ROBERT M. & NANCY R. MCCARDLE	9.02
SS	S23	05-17-03	SOUTHERN COUNTRY FARMS, INC.	190.132
SS	S41	05-10-04.1	WILLIAM F. RULONG, ET AL	0.38
SS	S43	05-17-1.5	DONNIE R. & LUDIA M. SLAUGHTER	5.607
SS	S48	05-10-08	WILLIAM F. POLUNG ET AL	70.6672
SS	S49	05-10-8.1	SAMUEL D. & BECKY ROBINSON	1.521
SS	S52	05-10-4.10	SHEENA ROSE	3.145
SS	S53	05-09-13	KAREN M. KAZEMKA (NKA KAREN M. WILSON)	3.68
SS	S54	05-09-02	JAMES R. & DEDE LEGG ET AL	23.141
SS	S56	05-09-03	JAMES R., II & DEDE LEGG ET AL	49
SS	S57	05-09-06	PATRICIA MCCLINTOCK	101
SS	S59	05-09-09	ROBERT GREGORY MCGUIRE	49
SS	S61	09-04-01	ROBERT GREGORY MCGUIRE	76.75
SS	S62	05-09-10	ROBERT GREGORY MCGUIRE	139.6
SS	S64	09-16-1.3	FINLEY D. MONTGOMERY ET AL	20.294
SS	S65	09-10-20	JOSHUA A. & SHANNON N. HOYT	9.942
SS	666	09-10-19	JANET E. & ALAN KELLEY	113.08
SS	S67	09-13-04.1	H & L EQUIPMENT, LLC	0.449
SS	S69	09-10-19.1	DENNIS W. HUMTER	10
SS	S70		SCHOOLLOT	
SS	S71	09-13-05	SCOTT D. & KRISTAL HICKMAN	190.12
SS	S72	09-13-06	MARY V. PETHEL (LIFE)	66.34
SS	S75	05-17-03	SOUTHERN COUNTRY FARMS, INC.	190.132
SS	S76	05-16-12	LOUIS VAN SCYOC	10.80
SS	S77	05-16-11	GERTILDE HOLTZ	9.93
SS	S78	05-16-09	LOUIS AULENBACHER	20
SS	S80	05-16-10	FRANK P. LAUTAR, EST.	5
SS	S81	05-16-06	JOHN SWIERKOS	134.05
SS	S82	05-16-05	JOHN SWIERKOS	52.07
SS	S83	05-10-14	JOHN SWIERKOS	100
SS	S85	05-10-4.8	SAMUEL FRANKLIN	1.8000
SS	S86	05-10-4.9	JAMES E. & KAREN M. WILSON	0.9692
SS	S87	P/O 05-10-04.13	SHEENA ROSE	1.667
SS	S88	05-10-04.11	SHEENA ROSE	1.727
SS	S89	05-10-04.2	JACK E. RECTOR	2.887
SS	S91	05-10-02	WILLIAM A. PRASCH ET AL	52
SS	S92	05-09-20	EDWIN C. MILLER	51.64
SS	S94	05-09-14	DENNIS P. CADMUS	136P
SS	S97	05-09-42	DENNIS P. CADMUS	5.42
SS	S99	05-09-23	DELBERT K. & LINDA K. MYERS	7
SS	S101	05-09-33	KEITH D. DANIELS	10.332
SS	S103	05-09-04	LLOYD C. & RUTH C. ARNOLD	18.854
SS	S104	05-09-35	LLOYD C. & RUTH C. ARNOLD	47

03/03/2023



OPERATOR'S WELL #1 PENDLETON N-11HU
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV
 API: 47-051-02456

WELL PLAT
 PAGE 3 OF 4
 DATE: 01/16/2023

PENDLETON N-11HU
 UTICA UNIT - 564.526± ACRES
 TUG HILL OPERATING

LEASE ID	TMP	TAG	GRANTOR, LESSOR, RTC.	BOOK/PAGE
10*14114	5-17-6	A	ELI & FANNIE MAE WENGERD	671 323
10*19638	9-16-3	B	GREGORY J HALL, ET AL	944 461
10*14114	5-17-5	C	ELI & FANNIE MAE WENGERD, ET AL	671 323
10*19083	9-16-2	D	RITA RAE STEPHENS, ET AL	683 302
10*27947	9-16-5	E	STONE HILL MINERALS HOLDINGS LLC, ET AL	1063 568
10*21131	9-16-1	F	ROBERT M MCCARDLE & NANCY R MCCARDLE, ET AL	951 621
10*18666	5-16-13	G	LESLIE A RUBCICH, ET AL	936 83
10*27947	9-13-25	H	STONE HILL MINERALS HOLDINGS LLC, ET AL	1063 568
10*31312	9-13-5	I	DENNIS W HUNTER AND KATHY HUNTER	668 155
10*18526	9-13-1	J	ANN TURNER YOUNG SHRIVER, ET AL	933 591
10*19256	9-13-2	K	RACHEL B OSTRANDER, ET AL	915 516
10*19250	9-13-4	L	LOUIS AULENBACHER, ET AL	902 444
10*18526	9-13-3	M	ANN TURNER YOUNG SHRIVER, ET AL	933 591
10*18339	5-16-8	N	RESOURCE MINERALS HEADWATER I LP, ET AL	940 448
10*18339	5-16-7	O	RESOURCE MINERALS HEADWATER I LP, ET AL	940 448
10*19894	9-10-2	P	CAROL L VANSCYOC	941 392
10*18236	5-10-13.1	Q	LESTER M & HELEN J MERCER	928 543
10*18892	5-10-13	R	JOSEPH LEE CROW	966 88
10*19894	9-10-1	S	CAROL L VANSCYOC	941 392
10*21468	5-10-19	T	JOHN A SWIERKOS ZACHARY SWIERKOS POA, ET AL	953 317
10*18396	5-10-20	U	LOUIS AULENBACHER, ET AL	932 468
10*18396	5-10-21	V	LOUIS AULENBACHER, ET AL	932 468
10*18396	5-10-22	W	LOUIS AULENBACHER, ET AL	932 468
10*18396	5-10-22.1	X	LOUIS AULENBACHER	932 468
10*18892	5-10-12	Y	JOSEPH LEE CROW	966 88
10*18302	5-10-11	Z	JOSEPH L CROW JR AND LORRY CROW	929 316
10*21468	5-10-12.1	AA	JOHN A SWIERKOS ZACHARY SWIERKOS POA, ET AL	953 317
10*21468	5-10-10	BB	JOHN A SWIERKOS ZACHARY SWIERKOS POA, ET AL	953 317
10*19249	5-10-9	CC	HERBERT M AULENBACHER	914 551
10*23458	5-10-9999.1	DD	WEST VIRGINIA DIVISION OF NATURAL RESOURCES, ET AL	1019 373
10*18726	5-10-7	EE	EMILY K AND WILLIAM F RULONG SR, ET AL	941 441
10*18726	5-10-6	FF	EMILY K RULONG AND WILLIAM F RULONG SR, ET AL	941 441
10*18350	5-10-5	GG	PEGGY SUE HILL DOLIN FORDYCE, ET AL	931 401
10*19248	5-10-4	HH	ALBERT F KAZEMKA	848 419
10*14918	5-10-3	II	CHESTNUT HOLDINGS INC	836 115
10*18594	5-10-4.7	JJ	LINDA L MCCORMICK AND THOMAS G MCCORMICK	934 641
10*19248	5-10-4.12	KK	ALBERT F KAZEMKA	848 419
10*19248	5-10-4.13	LL	ALBERT F KAZEMKA	848 419
10*19248	5-10-4.14	MM	ALBERT F KAZEMKA	848 419
10*47051.170.0	5-9-13.2	NN	JASON J STEED	865 344
10*47051.144.0	5-9-12	OO	ROBERT G & TERRI L MCGUIRE	867 581
10*18796	5-9-15	PP	DWG OIL AND GAS ACQUISITIONS LLC WILLIAM H GASTON, ET AL	938 476
10*18796	5-9-17	QQ	DWG OIL AND GAS ACQUISITIONS LLC WILLIAM H GASTON, ET AL	938 476
CVX935271	5-9-24	RR	CHARLES W. MILLER AND ESTHER JEAN MILLER, ET AL	853 59
10*29860	5-9-7	SS	P & D REALTY, ET AL	1101 305
10*26046	5-9-41	TT	LLOYD C ARNOLD & JUDITH C ARNOLD	915 628
Q081123002	5-9-3	UU	JAMES REMAN LEGG II ET AL	879 580
Q081124002	5-9-2.1	VV	JEFFREY L LEGG	879 575



P.S. 708 *David L Jackson*

03/03/2023



TUG HILL
OPERATING

OPERATOR'S
 WELL #1: PENDLETON N-11HU
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV
 API: 47-051-02456

WELL PLAT
 PAGE 4 OF 4
 DATE: 01/16/2023