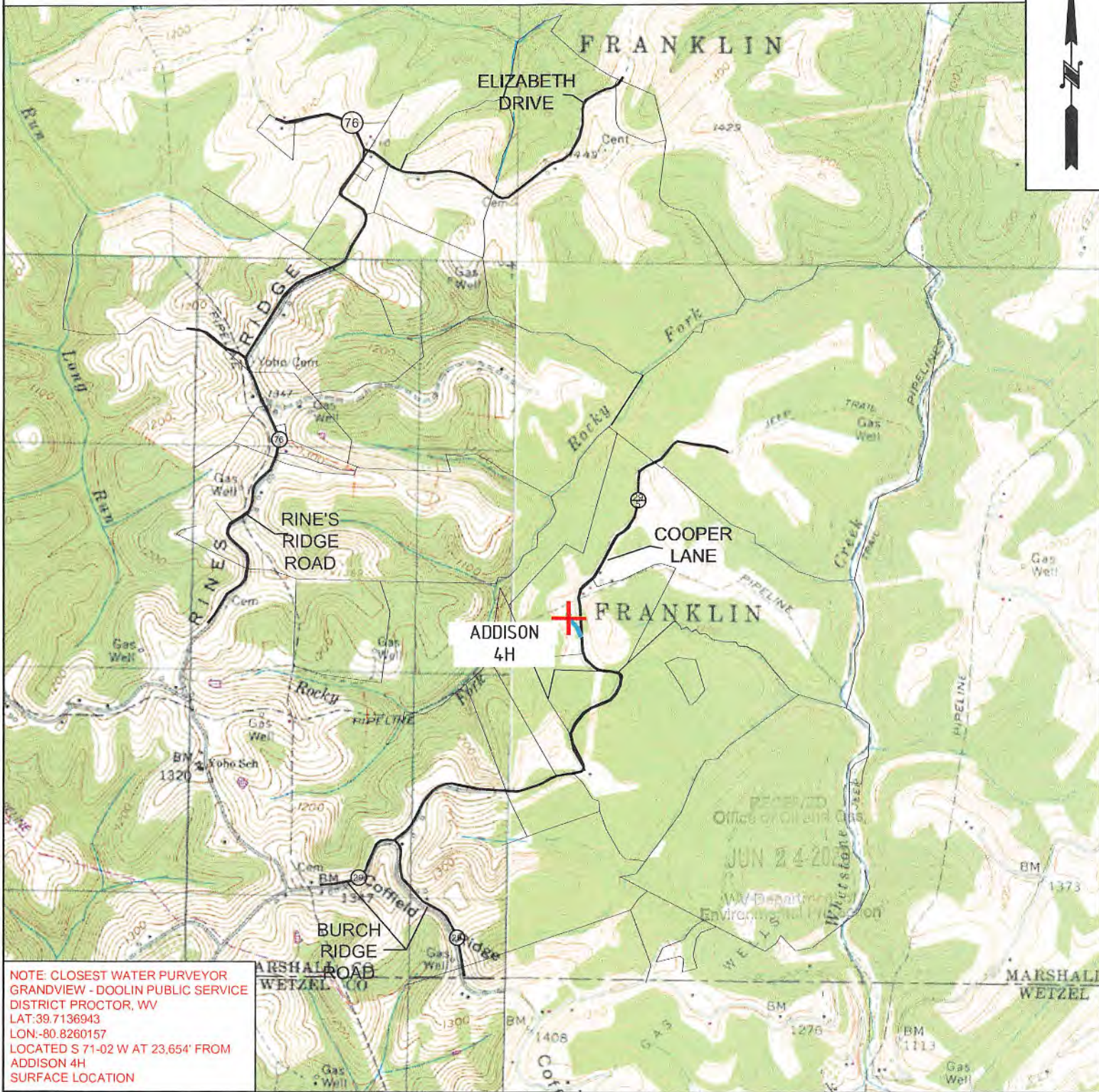


PROPOSED ADDISON 4H



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN PUBLIC SERVICE
 DISTRICT PROCTOR, WV
 LAT: 39.7136943
 LON: -80.8260157
 LOCATED S 71-02' W AT 23.654' FROM
 ADDISON 4H
 SURFACE LOCATION

 TUG HILL OPERATING	OPERATOR	494510851	TOPO SECTION	LEASE NAME
	TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		WILEYVILLE 7.5'	ADDISON
			SCALE:	DATE:
		1" = 2000'	DATE: 5-22-2020	

ADDISON LEASE WELL 4H 504.192± ACRES

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)

REFERENCES
SCALE 1"=400'

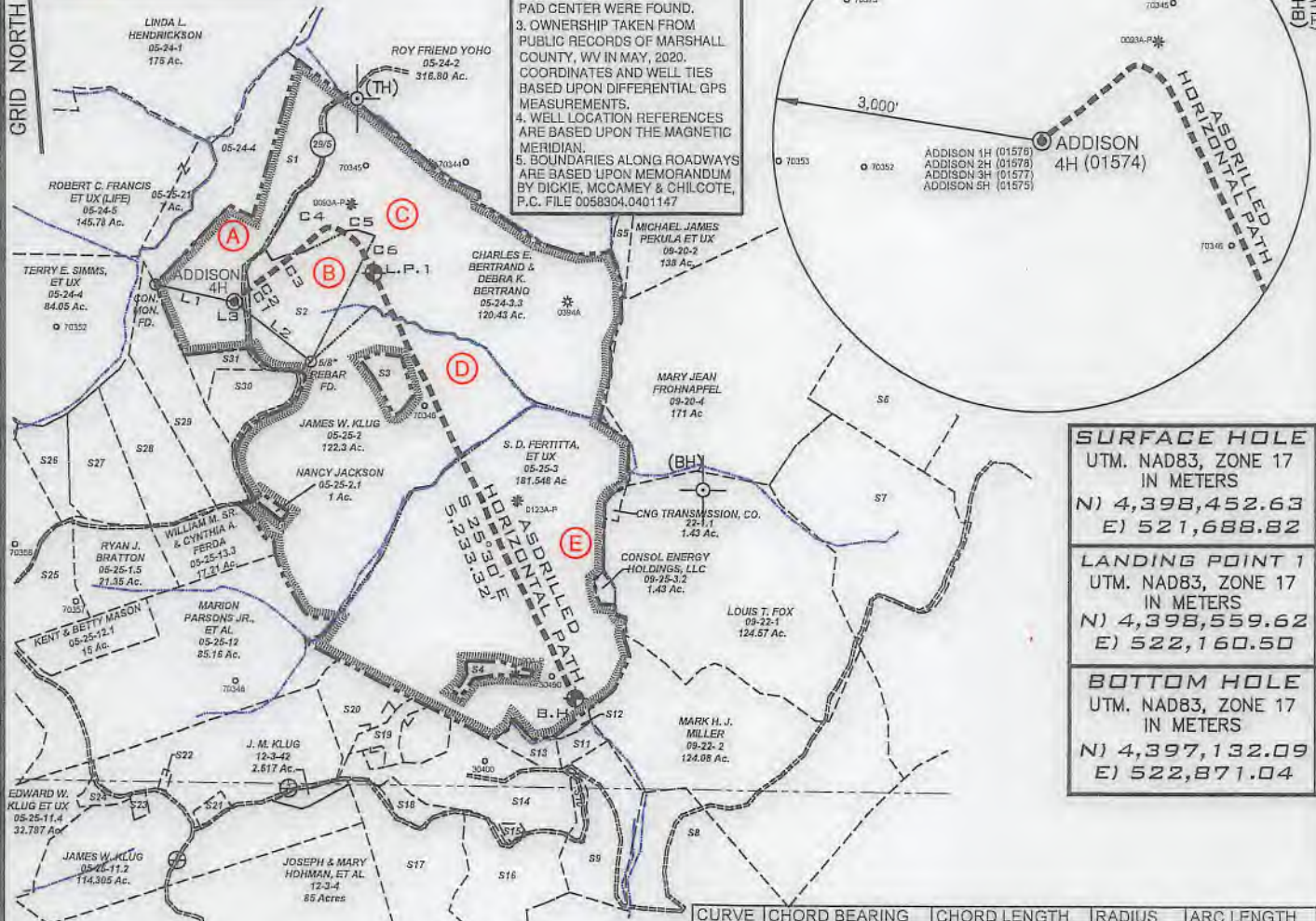
NOTES

1. BORE PATH BASED ON GRID NORTH.
2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 825' OF PAD CENTER WERE FOUND.
3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MAY, 2020. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
5. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DIGKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.040.1147

TOP HOLE LATITUDE: 39°45'00"
BOTTOM HOLE LATITUDE: 39°45'00"

DETAIL SKETCH "A"
SCALE 1"=100'

- ADDISON 1H (01576)
- ADDISON 2H (01578)
- ADDISON 3H (01577)
- ADDISON 4H (01574)
- ADDISON 5H (01575)



SURFACE HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N) 4,398,452.63	E) 521,688.82
LANDING POINT 1	
UTM. NAD83, ZONE 17 IN METERS	
N) 4,398,559.62	E) 522,160.50
BOTTOM HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N) 4,397,132.09	E) 522,871.04

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 36°01' E	34.66'	59.46'	35.17'
C2	N 51°19' E	157.01'	1079.59'	157.15'
C3	N 51°02' E	1091.82'	9440.57'	1092.43'
C4	N 86°36' E	174.15'	147.48'	186.29'
C5	S 52°15' E	300.25'	646.23'	303.02'
C6	S 27°54' E	346.47'	3309.18'	346.63'

LINE	BEARING	DISTANCE
L1	N 77°33' W	902.45'
L2	S 52°04' E	1081.08'
L3	S 55°55' W	13.92'

FILE NUMBER _____

DRAWING NUMBER ADDISON_WP_4H

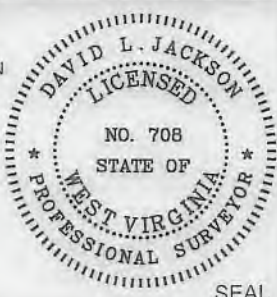
SCALE 1" = 2000'

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

P.S. 708
David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851

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



DATE: MAY 28, 2020

OPERATORS WELL NO. ADDISON 4H

API WELL NO. 47-051-01574

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

STATE COUNTY PERMIT

LOCATION ELEVATION 1327.28' WATERSHED (HUC 10) Rocky Fork of Fish Creek (HUC-10)

DISTRICT Franklin COUNTY Marshall

QUADRANGLE Wileyville 7.5' LEASE NUMBER SEE WW-6A1 Form

COUNTY NAME PERMIT

SURFACE OWNER T.H. EXPLORATION II, LLC ACREAGE 49.0

OIL & GAS ROYALTY OWNER T.H. EXPLORATION II, LLC LEASE ACREAGE 49.0

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____

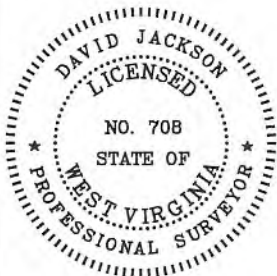
TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,812' TMD: 12,585'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
CT CORPORATION SYSTEM

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD
FORT WORTH, TX 76107 CHARLESTON, WV 25313

**ADDISON LEASE
WELL 4H
504.192± ACRES**

Number	TAX MAP-PARCEL	SURFACE OWNERS	ACRES
S1	A 05-24-3.2	T.H. EXPLORATION II, LLC	49.0
S2	B 05-24-03	CHARLES E. BERTRAND & DEBRA K. BERTRAND	30.194
S3	05-25-2.1	NANCY JACKSON	1.0
S4	05-25-3.1	S.D. FERTITTA, ET UX	3.022
S5	09-20-01	MICHAEL JAMES PEKULA, ET UX	5.0
S6	09-20-05	GERALD A. FROHNAPFEL ET UX TRUST	164.143
S7	09-22-03	MARK HILARY MILLER	63.73
S8	09-22-2.1	JOHN LOGAN WRIGHT	46.13
S9	05-25-08	JOHN W. & TALMARA J. WETZEL	24.25
S10	12-03-40	ROSE L. & ALAN J. ABBOTT	2.6
S11	05-25-06	MELANIE JEANNE CARR	3.0
S12	05-25-05	MELANIE JEANNE CARR	1.12
S13	05-25-04	MELANIE JEANNE CARR	5.0
S14	12-03-41.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
S15	05-25-13.1	MORGAN CHAD GUMP, ET UX	0.8
S16	12-03-4.4	LARRY & MARILYN K. MILLER	29.76
S17	12-03-41.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
S18	12-03-41	CARL L. KIRKLAND HRS.	4.102
S19	05-25-10.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.250
S20	05-25-10	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75
S21	12-03-43	ADAM W. FERRELL & BRITTANY M. LOY	1.97
S22	12-03-47	WETZEL CO. EMERGENCY AMBULANCE	0.50
S23	12-03-44	JAMES A. & JO C. ESTEP	1.10
S24	05-25-11.1	EDWARD W. KLUG, ET UX	2.343
S25	05-25-13	WILLIAM M. FERDA, JR ET AL	16.014
S26	05-25-1.1	RYAN A. LAYMAN & JACQUELINE E. LAYMAN	9.79
S27	05-25-1.2	WILLIAM DUBIEL JR. & ANDREA J. DUBIEL	20.10
S28	05-25-1.3	MICHAEL E. CHAPMAN & ANNIE A. CHAPMAN	26.20
S29	05-25-1.4	SAMANTHA J. NAMLIK & PHILIP A. NAMLIK	24.44
S30	05-25-2.2	JOHN G. KLUG SR., ET UX	10.0
S31	05-24-3.1	T.H. EXPLORATION II, LLC	5.50

P.S.
708

David L Jackson

RECEIVED
Office of Oil and Gas

JUN 24 2020

WV Department of
Environmental Protection



TUG HILL
OPERATING

OPERATOR'S

WELL #: ADDISON 4H

DISTRICT: Franklin

COUNTY: Marshall

STATE: WV

API #: 47-051-01574

WELL PLAT

PAGE 2 OF 2

DATE: 05/28/2020