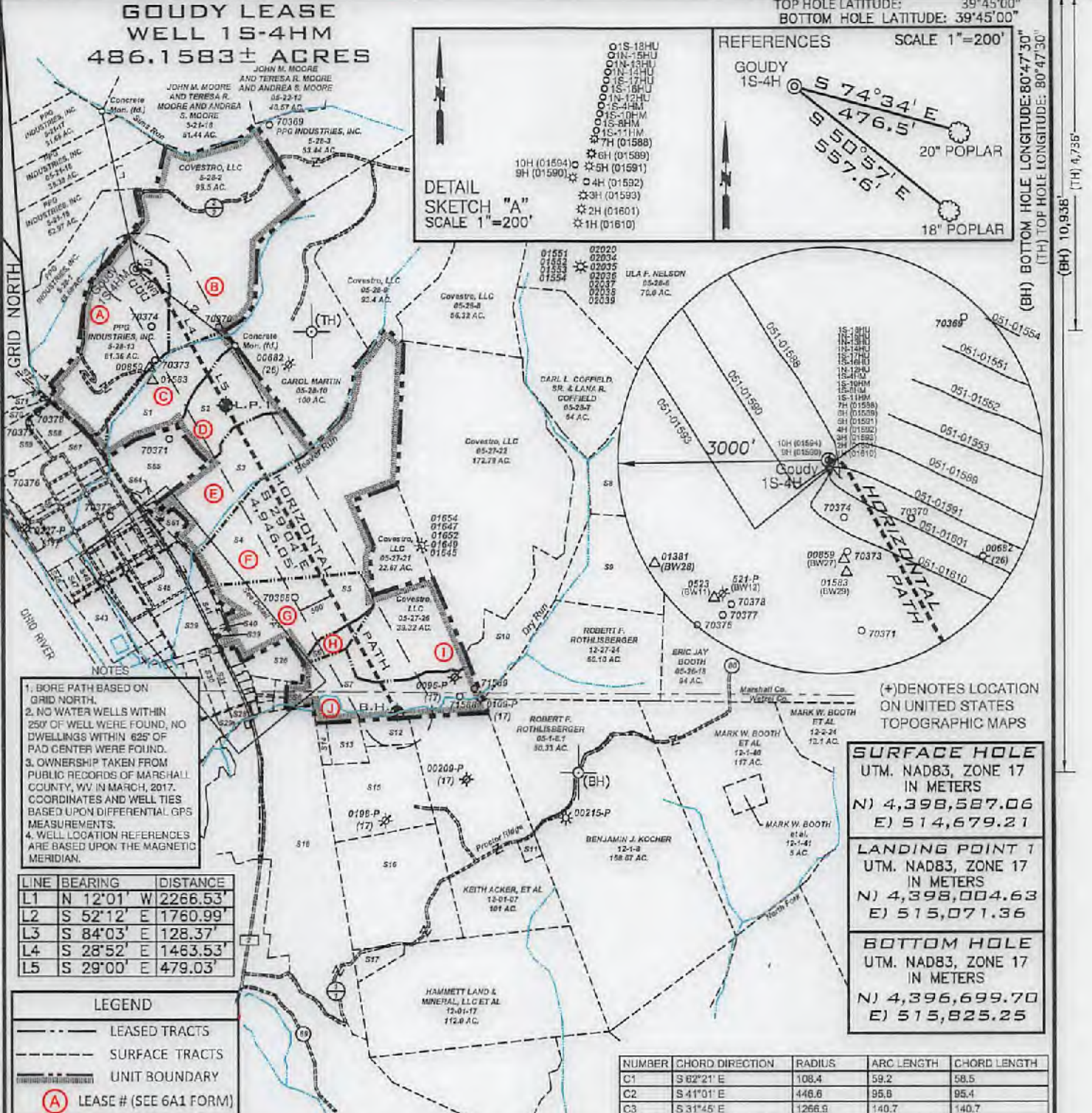
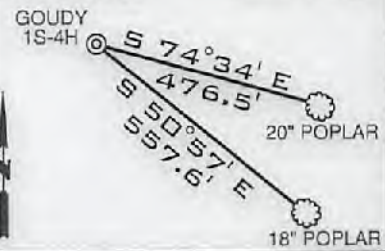


GOUDY LEASE WELL 1S-4HM 486.1583± ACRES

DETAIL SKETCH "A"
SCALE 1"=200'

REFERENCES

SCALE 1"=200'



- 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 MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

LINE	BEARING	DISTANCE
L1	N 12°01' W	2266.53'
L2	S 52°12' E	1760.99'
L3	S 84°03' E	128.37'
L4	S 28°52' E	1463.53'
L5	S 29°00' E	479.03'

LEGEND

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

(*) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SURFACE HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,398,587.06
E)	514,679.21
LANDING POINT 1	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,398,004.63
E)	515,071.36
BOTTOM HOLE	
UTM. NAD83, ZONE 17 IN METERS	
N)	4,396,699.70
E)	515,825.25

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	S 62°21' E	108.4	59.2	58.5
C2	S 41°01' E	446.6	95.8	95.4
C3	S 31°45' E	1266.9	140.7	140.7

FILE NUMBER _____

DRAWING NUMBER GOUDY_WP_1S-4HM

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

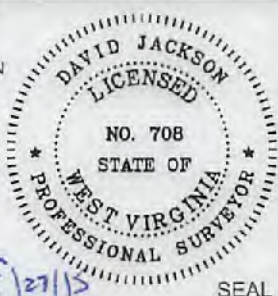
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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
801 57TH STREET, SE
CHARLESTON, WV 25304

DATE: MAY 24, 2018

OPERATORS WELL NO. GOUDY 1S-4HM

API WELL NO. 47-051-02050

STATE COUNTY PERMIT

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

LOCATION ELEVATION 1241.0' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER PPG INDUSTRIES, INC. ACREAGE 81.36

OIL & GAS ROYALTY OWNER SEE WW-6A1 FORM LEASE ACREAGE 81.36

PROPOSED WORK: DRILL X 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 6,503' TMD: 12,136'

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

08/03/2018

COUNTY NAME PERMIT

**GOUDY LEASE
WELL 1S-4HM
486.1583± ACRES**

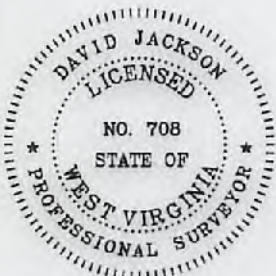


**Detail "A"
SCALE 1"=1000'**



Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	05-28-12	PPG Industries, Inc	20.226
S2	05-28-11	Carol A. Martin	24.681
S3	05-27-19	Covestro, LLC	33.786
S4	05-27-20	Covestro LLC	93.027
S5	05-27-20.1	Appalachian Power Co.	43.973
S6	05-27-27	James Andrew & Karen Lynne Richmond	8.9353
S7	05-27-25	James Andrew & Karen Lynne Richmond	41.35
S8	05-26-4.5	Eric Jay Booth	65.0
S9	05-26-19	Eric Jay & Karrel S. Booth	50.0
S10	05-27-23	Robert F. Rothlisberger	35.77
S11	12-01-7.1	K. Wayman, et al	2.0
S12	12-01-04	Robert F. Rothlisberger	6.0
S13	12-01-03	Edith Feenerty Harrison & Charles D. Harrison	7.8
S14	12-01-02	James Andrew & Karen Lynne Richmond	2.7
S15	12-01-05	Irvin L. Hoyt, Jr. & David L. Hoyt	36.8
S16	12-01-06	Mona Parsons, et al	52.75
S17	12-01-16	Vivian Parsons, et al	5.125
S18	12-01-01	Covestro, LLC	135.0
S19	12-01-1.7	Colombia Gas Transmission, Corp.	0.15
S20	12-23-15	Virginia Ethel Henry, Estate	15.5
S21	12-23-14	Dominion Energy Transmission, Inc	59.5
S22	12-23-13	Linda D. Greathouse	14.24
S23	05-27-27.2	Paul E. Cain, et ux	0.17
S24	05-27-27.1	Donald P. Cain	1.645
S25	05-27-27.3	Paul E. Cain, et ux	1.018
S26	05-27-28	Covestro, LLC	8.0
S27	12-23-12	Mark Yoho	3.05
S28	12-23-11	Roy F. Yoho	11.31
S29	12-23-10	Terry E. Simms, et ux	37.95
S30	12-23-05	Daniel D. Rhyand	118.5
S31	05-27-40	Covestro, LLC	3.36
S32	05-23-06	James A. Channing, et al	48.0
S33	05-27-44	Covestro, LLC	0.206
S34	05-27-43	Covestro, LLC	0.22
S35	05-27-45	Covestro, LLC	0.3627
S36	05-27-42.1	Covestro, LLC	0.526
S37	05-27-41	Martha J. Arrick	0.99
S38	05-27-31.2	Appalachian Power Co.	3.33
S39	05-27-31	Covestro, LLC	16.1
S40	05-27-33	Covestro, LLC	1.95
S41	05-27-31.1	Covestro, LLC	3.0
S42	05-27-34	Covestro, LLC	1.91
S43	05-27-29	Covestro, LLC	9.0
S44	05-27-32.2	Covestro, LLC	3.95
S45	05-27-32	Covestro, LLC	33.53
S46	05-27-03	Covestro, LLC	1.27
S47	05-27-04	Covestro, LLC	2.52
S48	05-27-05	Covestro, LLC	2.52
S49	05-27-06	Covestro, LLC	2.52
S50	05-27-07	Covestro, LLC	2.52
S51	05-27-08	Covestro, LLC	2.52
S52	05-27-09	Covestro, LLC	1.88
S53	05-27-10	Covestro, LLC	0.52
S54	05-27-12	Covestro, LLC	1.0
S55	05-27-13	Covestro, LLC	0.293
S56	05-27-14	Covestro, LLC	0.243
S57	05-27-15	Covestro, LLC	0.488
S58	05-27-16	Covestro, LLC	0.22
S59	05-27-18	Covestro, LLC	0.967
S60	05-27-17	Covestro, LLC	0.892
S61	05-27-19.3	Cemetery	2.0
S62	05-27-02	Covestro, LLC	28.099
S63	05-27-19.2	Wheeling Electric Co.	0.922
S64	05-28-12.2	Covestro, LLC	3.1
S65	05-28-12.3	Covestro, LLC	18.784
S66	05-28-13.1	Air Products & Chemicals, Inc	5.522
S67	05-27-11	Covestro, LLC	8.07

08/03/2018



P.S. 708

David L Jackson



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: Goudy 1S-4HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 5/24/2018