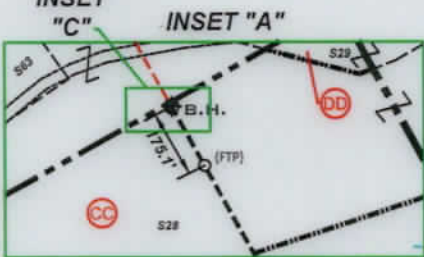


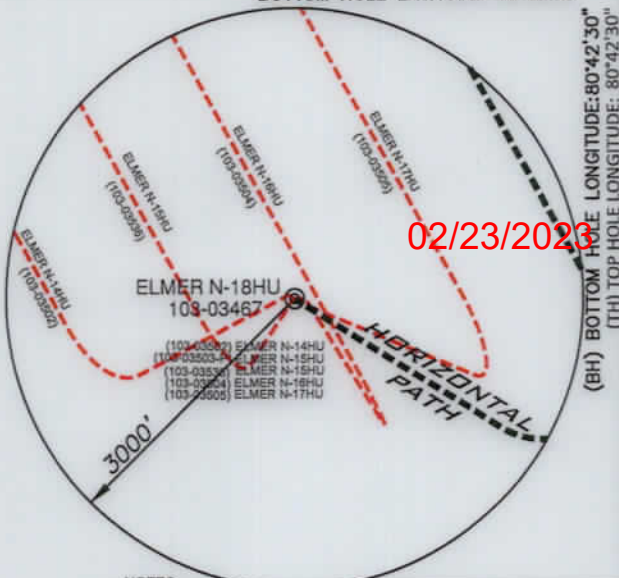
ELMER LEASE
WELL N-18HU
310.9511 ± ACRES

TOP HOLE LATITUDE: 39°42'30"
BOTTOM HOLE LATITUDE: 39°45'00"

SEE
INSET
"C"



INSET "B"



NOTES

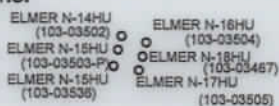
- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN JULY, 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

LEGEND

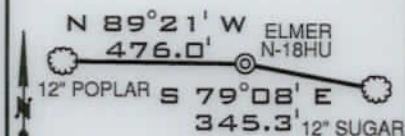
- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE GA1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT

(*) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

DETAIL SKETCH "A" N.T.S.



REFERENCES SCALE 1"=500'



LINE	BEARING	DISTANCE
L1	N 41°47' E	1844.12'
L2	N 87°00' E	1399.04'
L3	S 57°57' E	2,512.53'

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 64°34' E	1380.81'	818.68'	1642.97'
C2	N 10°59' W	507.44'	818.65'	515.94'

SURFACE HOLE UTM. NAD83, ZONE 17 IN METERS

N) 4,393,817.36
E) 522,503.39

LANDING POINT 1 UTM. NAD83, ZONE 17 IN METERS

N) 4,393,760.22
E) 523,503.79

BOTTOM HOLE UTM. NAD83, ZONE 17 IN METERS

N) 4,396,711.96
E) 521,799.67

FILE NUMBER _____

DRAWING NUMBER ELMER_N-18HU_REV2

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

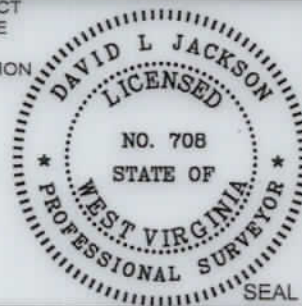
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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 1480
Clarksburg, WV 26302
304-623-5551



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

DATE: DECEMBER 15, 2021

REVISED: OCTOBER 20, 2022

OPERATORS WELL NO. ELMER N-18HU

API WELL NO. _____

47-103-03467 MOD

STATE COUNTY PERMIT

LOCATION ELEVATION 1275.25' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)

DISTRICT PROCTOR COUNTY WETZEL

QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE HRS. ACREAGE 39.19

OIL & GAS ROYALTY OWNER ELNORA TUTTLE HRS. - SEE WW-6A1 LEASE ACREAGE 39.19

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 ESTIMATED DEPTH TVD: 12,006' TMD: 25,800'

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

02/03/2023

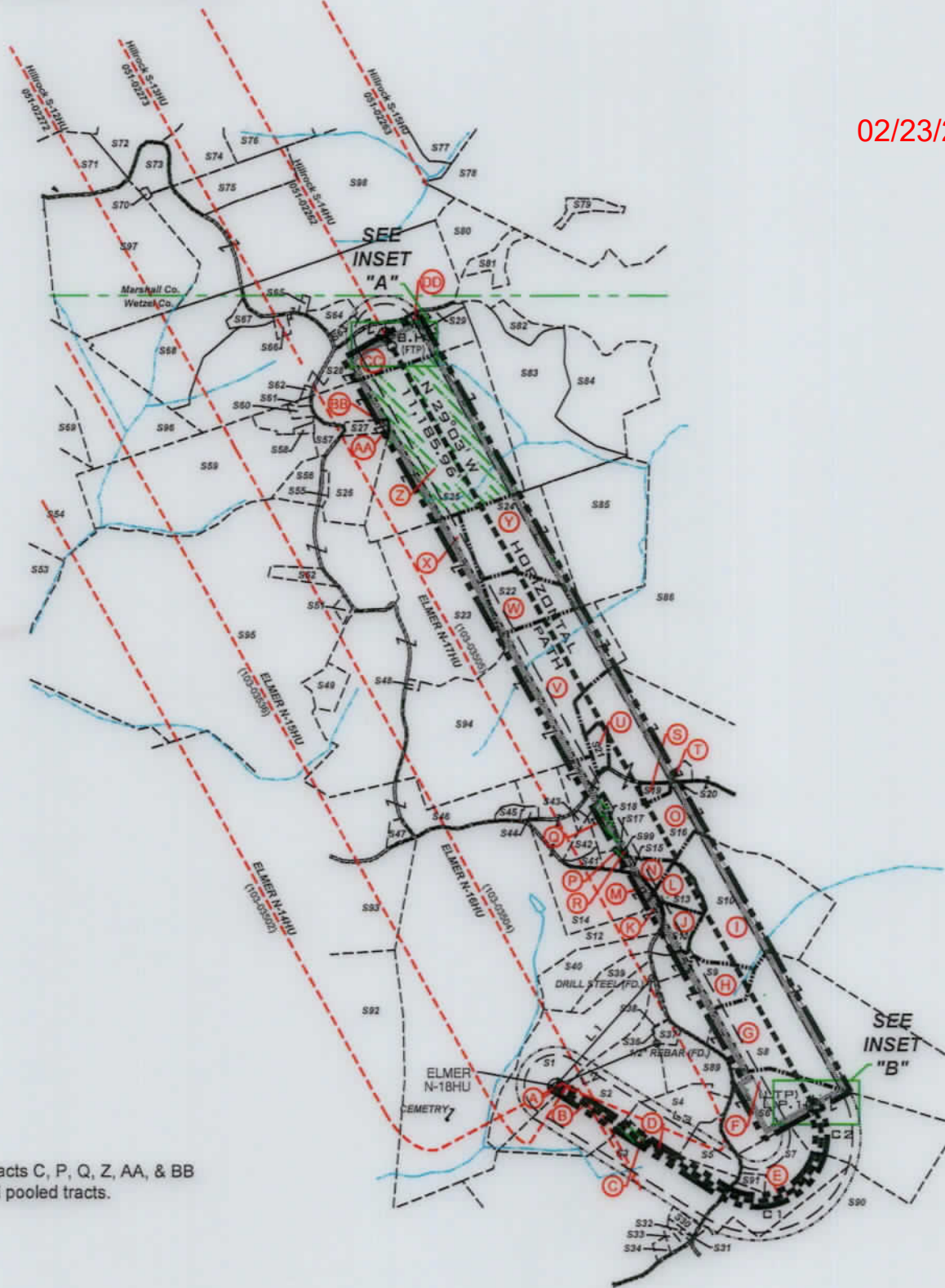
COUNTY NAME

PERMIT

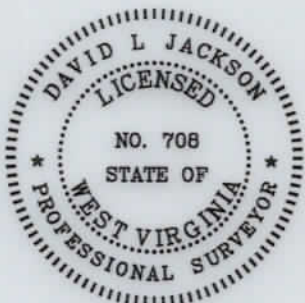
ELMER LEASE
WELL N-18HU
310.9511 ± ACRES

02/23/2023

GRID NORTH



NOTE: Tracts C, P, Q, Z, AA, & BB are forced pooled tracts.



P.S. 708 *David L Jackson*

LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	POINT PLEASANT LEGS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)
	400' BORE PATH OFFSET
	500' WELL BORE OFFSET
	PROPOSED FIRST TAKE POINT
	PROPOSED LAST TAKE POINT
	FORCED POOL TRACT

02/03/2023



TUG HILL
OPERATING

OPERATOR'S
 WELL #: ELMER N-18HU
 DISTRICT: Proctor
 COUNTY: Wetzel
 STATE: WV
 API #: 47-103-03467 MDD

WELL PLAT
 PAGE 2 OF 4
 DATE: 12/15/2021
 REVISED: 10/20/2022

form wv6

**ELMER LEASE
WELL N-18HU
310.9511 ± ACRES**

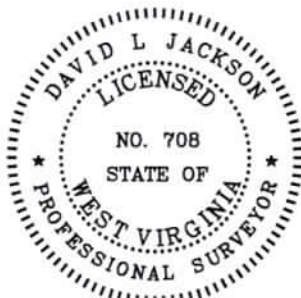
* FORCED POOLED TRACTS ARE HIGHLIGHTED

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	12-8-15	ELNORA TUTTLE HRS.	39.19
B	S2	12-8-16	CHARLES & BETTY HUGGINS	39.13
C	S3	12-8-20	NANCT TRUEX	95.35
D	S4	12-8-21.1	LINDA M. STOUT	15.26
E	S7	12-8-32	DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS	27.287
F	S6	12-8-23	JACOB WOODROW & MARY JOSEPHINE NICE	59
G	S8	12-8-17	JACOB WOODROW & MARY JOSEPHINE NICE	85.69
H	S9	12-8-4	JACOB WOODROW & MARY JOSEPHINE NICE	20.893
I	S10	12-8-4.5	JACOB WOODROW & MARY JOSEPHINE NICE	51.107
J	S11	12-8-4.1	JACOB WOODROW & MARY JOSEPHINE NICE	6.171
K	S12	12-8-2	R. SHANE & KATHRYN GODDARD	178
L	S13	12-8-4.3	BRADY G. & SHARON L. HOWELL	5.59
M	S14	12-8-3	R. SHANE & KATHRYN GODDARD	31.13
N	S15	12-3-31	DOUGLAS & SUZANNE ESTEP	3.25
O	S16	12-3-30.4	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	81.82
P	S17	12-3-39.1	WILLIAM NICE	1.31
Q	S18	12-3-39	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	4.69
R	S99	p/o 12-3-39 & 12-3-30.4	DONALD & SUZANNE ESTEP	0.145
S	S19	12-3-30.2	APRIL ROSE & DONALD ALLEN POSTLETHWAIT	1.67
T	S20	12-3-30	APRIL ROSE POSTLETHWAIT; MARY ROSE YOHO - L/E	1.48
U	S21	12-3-29	FRIEND V. ESTEP (RAYMOND F. ESTEP - L/E)	2.9
V	S94	12-3-21	LARRY J & MARY ANN KIRKLAND	99.53
W	S22	12-3-14.1	MATTHEW D. HALL	13
X	S23	12-3-13	LARRY J. & MARY ANN KIRKLAND	95
Y	S24	12-3-14	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	27
Z	S25	12-3-4	MARY HOHMAN ET AL	85
AA	S26	12-3-3.1	DIANA & ROBERT L. SMITH	15.78
BB	S27	12-3-02	ROBERT LEE & DIANA G. SMITH	2.48
CC	S28	5-25-11.2	JAMES W. KLUG	110.491
DD	S29	12-3-42	J. M. KLUG	2.617

Adjoining Parcels Ownership Table			
Number	Tax Map -Parcel	Surface Owner	Acres
55	12-8-22.1	BARRY C. KIRKLAND	7.401
530	12-8-20.1	PAUL J. BLAKE	1.5
531	12-8-20.3	PAUL J. BLAKE	0.25
532	12-8-20.9	JOSHUA M. & COURTNEY R. NEFF	0.4
533	12-8-20.8	JOSHUA M. & COURTNEY R. NEFF	0.99
534	12-8-20.6	JOHN G. & DEBRA D. THROCKMORTON	1.046
535	12-8-20.5	JOE B. MILLER & GERALD & SUE YEATER	5.44
536	12-8-4.4	CHARLES & BETTY HUGGINS	0.69
537	12-8-4.2	BRENT A. & KIMBERLY J. EDDY	0.29
538	12-8-16.1	BRENT A. & KIMBERLY J. EDDY	0.06
539	12-8-14	EDWARD C. & SANDRA K. MURRINER	5.33
540	12-8-13	EDWARD C. & SANDRA K. MURRINER	15
541	12-3-32.1	TIMOTHY L. & LEA ANN SUMMERS	1.78
542	12-3-32	TIMOTHY L. SUMMERS	2.32
543	12-3-30.3	TIMOTHY L. SUMMERS	0.61
544	12-3-45	ANTIOCH CHURCH	0.774
545	12-3-28	ANTIOCH CHURCH	1
546	12-8-1.1	R. SHANE & KATHRYN GODDARD	92.69
547	12-8-1.2	JOSH GODDARD	1.81
548	12-3-21.1	LARRY J & MARY ANN KIRKLAND	0.47
549	12-3-13.1	ZACHARY J. KIRKLAND	5
550	12-2-22.1	DAVID A. NICE	54.66
551	12-3-48	RONALD W. & JULIE A. NICE	1
552	12-3-12	RODNEY DEAN JACKSON	3.625
553	12-2-12	BERYL E. MASON	59.9
554	12-2-13	JAYS. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF	100
555	12-3-3	ANITA LARELL SLOUGH	1.12
556	12-3-4.2	DEREK L. BAKER	5.21
557	12-3-4.3	JOSEPH P. & BARBARA A. CAIN	3.619
558	12-3-4.8	ERIN HUBBS	0.621
559	12-3-4.7	JOSEPH P. & BARBARA A. CAIN	67.3
560	12-3-4.6	STEVEN P. WAYMAN	1.009
561	12-3-4.5	HAZEL M. BLAIR	0.451
562	12-3-1	JAMES W. KLUG	0.375
563	12-3-43	ADAM W. FERRELL & BRITTANY M. LOY	1.97
564	12-3-49	LOGAN & AMY TAYLOR	3.814
565	12-3-47	WETZEL CO. EMERGENCY AMBULANCE	0.5
566	12-3-44	JAMES A. & JO C. ESTEP	1.1
567	05-25-11.1	EDWARD W. & DIANNA KLUG	2.343
568	05-25-11.4	EDWARD W. KLUG, ET UX	32.787
569	12-2-14.2	JOHN G. JR. & GERALDINE W. ROGERS	22.0007
570	05-25-13.4	PARSONS CEMETERY	0.382
571	05-25-14	ROY F. YOHO	23
572	05-25-1	MICHAEL L. MASON	35.43
573	05-25-13.2	DAVID A. KLUG	5.89
574	05-25-13	WILLIAM M. FERDA, JR. & STEPHANIE L. PALJCKA	16.014
575	05-25-12.1	KENT & BETTY MASON	15
576	05-25-1.5	RYAN J. BRATTON	21.35
577	05-25-2	JAMES W. KLUG	122.3
578	05-25-3	S.D. FERTITTA, ET UX	181.548
579	05-25-3.1	S.D. FERTITTA, ET UX	3.022
580	05-25-10	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75
581	05-25-10.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.25
582	12-3-41	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	4.102
583	12-3-41.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
584	12-3-4.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	10.5
585	12-3-15	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	38
586	12-3-22	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	22.5
587	12-3-30.1	JOAN & MICHAEL J. ESTEP	1.75
588	12-3-33	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	58.32
589	12-8-6	JEREMY S. & ERIN P. GODDARD	25
590	12-8-32.8	DAVID TODD & CINDY L. BATES	36.425
591	12-8-32.6	CHARLES W. THOMAS, JR.	1.309
592	12-8-1	R SHANE & KATHRYN GODDARD	77
593	12-8-1.1	R SHANE & KATHRYN GODDARD	92.69
595	12-2-19	NICHOLAS M & ASHLEY N GODDARD	243.68
596	12-2-14	DAVID L CUNNINGHAM	36.23
597	5-25-14.1	JUDITH L WEIGAND	65
598	5-25-12	MARION PARSONS JR, ET AL	85.16

02/23/2023

02/03/2023



P.S. 708 *David L Jackson*

LEGEND	
--- --	LEASED TRACTS
---	SURFACE TRACTS
- - - -	WELL LATERAL
- - - -	POINT PLEASANT LEGS
-----	UNIT BOUNDARY
(A)	LEASE # (SEE 6A1 FORM)
---	400' BORE PATH OFFSET
---	500' WELL BORE OFFSET
(FPT)	PROPOSED FIRST TAKE POINT
(LTP)	PROPOSED LAST TAKE POINT
---	FORCED POOL TRACT



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: ELMER N-18HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-03467 MDD

WELL PLAT
PAGE 3 OF 4
DATE: 12/15/2021
REVISED: 10/20/2022

**ELMER LEASE
WELL N-18HU
310.9511± ACRES**

* FORCED POOLED TRACTS ARE HIGHLIGHTED

02/23/2023

Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page	
10*31435	A	12-8-15	HENRY AND NANCY GARNER	55	394
10*31435	B	12-8-16	HENRY AND NANCY GARNER	55	394
10*40570	C	12-8-20	HUBERT D MORRIS, ET AL	295A	175
10*31435	D	12-8-21.1	HENRY AND NANCY GARNER	55	394
10*31435	E	12-8-32	HENRY AND NANCY GARNER	55	394
10*31435	F	12-8-23	HENRY AND NANCY GARNER	55	394
10*40155	G	12-8-17	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	H	12-8-4	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	I	12-8-4.5	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	J	12-8-4.1	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	K	12-8-2	HENRY AND NANCY GARNER	55	394
10*40155	L	12-8-4.3	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	M	12-8-3	HENRY AND NANCY GARNER	55	394
10*31435	N	12-3-31	HENRY AND NANCY GARNER	55	394
10*31435	O	12-3-30.4	HENRY AND NANCY GARNER	55	394
10*24010	P	12-3-39.1	JOHN ROBINSON DAVIS, ET AL	215A	419
10*24010	Q	12-3-39	JOHN ROBINSON DAVIS, ET AL	215A	419
10*31435	R	12-3-30.4	HENRY AND NANCY GARNER, ET AL	55	394
10*31435	S	12-3-30.2	HENRY AND NANCY GARNER	55	394
10*31435	T	12-3-30	HENRY AND NANCY GARNER	55	394
10*31435	U	12-3-29	HENRY AND NANCY GARNER	55	394
10*21681	V	12-3-21	DOROTHY J HAAS, ET AL	214A	358
10*39720	W	12-3-14.1	FREDERICK J BAXTER, ET AL	273A	326
10*22229	X	12-3-13	MURIEL A MILLER, ET AL	204A	150
10*39720	Y	12-3-14	FREDERICK J BAXTER, ET AL	273A	326
10*39463	Z	12-3-4	J P COOPER ET AL	56	245
10*39463	AA	12-3-3.1	J P COOPER ET AL	56	245
10*39463	BB	12-3-2	J P COOPER ET AL	56	245
10*22496	CC	5-25-11.2	JAMES W KLUG	923	543
10*22496	DD	12-3-42	JAMES W KLUG	923	543



P.S. 708 *David L Jackson*

LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	POINT PLEASANT LEGS
	UNIT BOUNDARY
	LEASE # (SEE GA1 FORM)
	400' BORE PATH OFFSET
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	(FTP) PROPOSED FIRST TAKE POINT
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WELL PLAT
PAGE 4 OF 4
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