

BOTTOM HOLE ← TOP HOLE ← 8576' 6141'

SANDS UNIT B 4H AS-DRILLED

SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)
 SCALE: 1" = 2000' LATITUDE: 39°27'30" (BOTTOM HOLE)

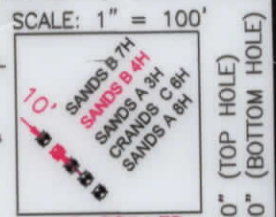
PERMITTED State Plane Coordinate West Virginia North
 Top Hole Location
 NAD 27 Feet
 N: 351831.811
 E: 1770291.900
 UTM Zone 17 (SPCS83) Meters
 N: 4366407.001
 E: 559063.173
 NAD 27
 N: 39.4631298
 W: 80.3136082

Inflection Point One Location
 NAD 27 Feet
 N: 344245.040
 E: 1778603.544
 UTM Zone 17 (SPCS83) Meters
 N: 4366137.793
 E: 561633.975
 NAD 27
 N: 39.44250367
 W: 80.2839360

Landing Point Location
 NAD 27 Feet
 N: 352168.315
 E: 1770881.403
 UTM Zone 17 (SPCS83) Meters
 N: 4366512.515
 E: 559241.067
 NAD 27
 N: 39.4640683
 W: 80.3115311

Inflection Point Two Location
 NAD 27 Feet
 N: 344245.040
 E: 1778603.544
 UTM Zone 17 (SPCS83) Meters
 N: 4366137.793
 E: 561633.975
 NAD 27
 N: 39.44250367
 W: 80.2839360

Bottom Hole Location
 NAD 27 Feet
 N: 342676.916
 E: 1779585.045
 UTM Zone 17 (SPCS83) Meters
 N: 4365665.025
 E: 561940.966
 NAD 27
 N: 39.4382219
 W: 80.2804126



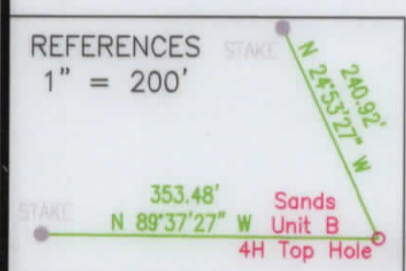
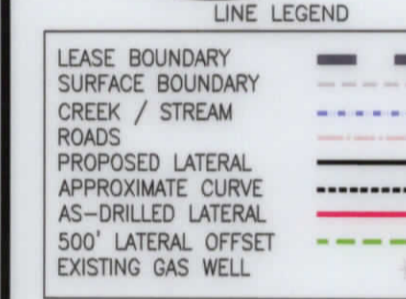
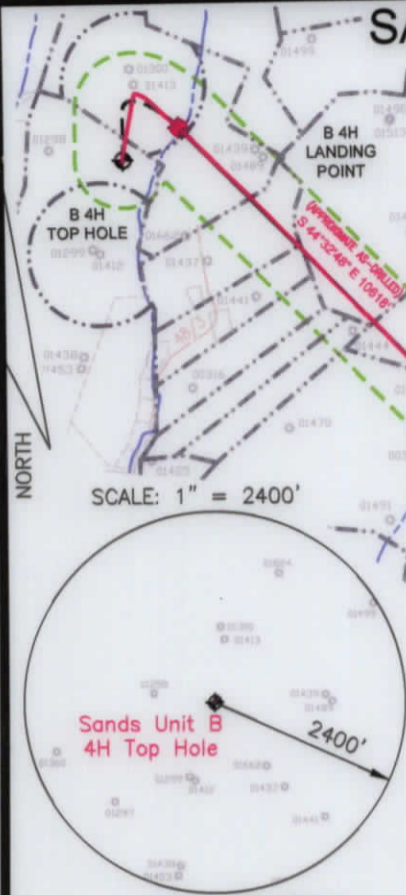
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Landing Point Location
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 E: 1770881.403
 UTM Zone 17 (SPCS83) Meters
 N: 4366512.529
 E: 559241.146
 NAD 27
 N: 39.4640685
 W: 80.3115301

Inflection Point One Location
 NAD 27 Feet
 N: 344601.303
 E: 1778329.862
 UTM Zone 17 (SPCS83) Meters
 N: 4366244.944
 E: 561548.785
 NAD 27
 N: 39.4434752
 W: 80.2849160

Inflection Point Two Location
 NAD 27 Feet
 N: 344227.150
 E: 1778617.284
 UTM Zone 17 (SPCS83) Meters
 N: 4366132.412
 E: 561638.252
 NAD 27
 N: 39.4424549
 W: 80.2838868

Bottom Hole Location
 NAD 27 Feet
 N: 342734.077
 E: 1779544.215
 UTM Zone 17 (SPCS83) Meters
 N: 4365682.233
 E: 561928.236
 NAD 27
 N: 39.4383779
 W: 80.2805589



1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD 83.
4. WELL ELEVATION ESTABLISHED BY RTK GPS NAVD 88.
5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN AUGUST 2021 AND FILES PROVIDED BY XTO ENERGY INC.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.

JONES CONSULTANTS 2402 PENNSYLVANIA 66 DELMONT, PA 15626
 (724) 757 - 2417 www.jonesconsultant.com SHEET 1 OF 2

FILE #: JC2018-74
 DRAWING #: SANDS B 4H AS-DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: RTK 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.

Signed: *Ryan Jones*
 R.P.E.: _____ P.S.: 2165



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

DATE: 12/20/2021
 OPERATOR'S WELL #: SANDS UNIT B 4H
 API WELL #: 47 049 02492
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: LOWER WEST FORK RIVER (0502000206)
 COUNTY/DISTRICT: MARION / LINCOLN
 SURFACE OWNER: XTO ENERGY INC
 OIL & GAS ROYALTY OWNER: XTO ENERGY INC

ELEVATION: 1,230' (EXISTING GRADE)
 QUADRANGLE: SHINNSTON 7.5' ACREAGE: 105.34±
 ACREAGE: 1007.6±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS
 ESTIMATED DEPTH: 7,586' (TVD), 20,771' (TMD) AS-DRILLED

WELL OPERATOR: XTO ENERGY INC.
 Address: 190 THORN HILL ROAD
 City: WARRENDALE State: PA Zip Code: 15086

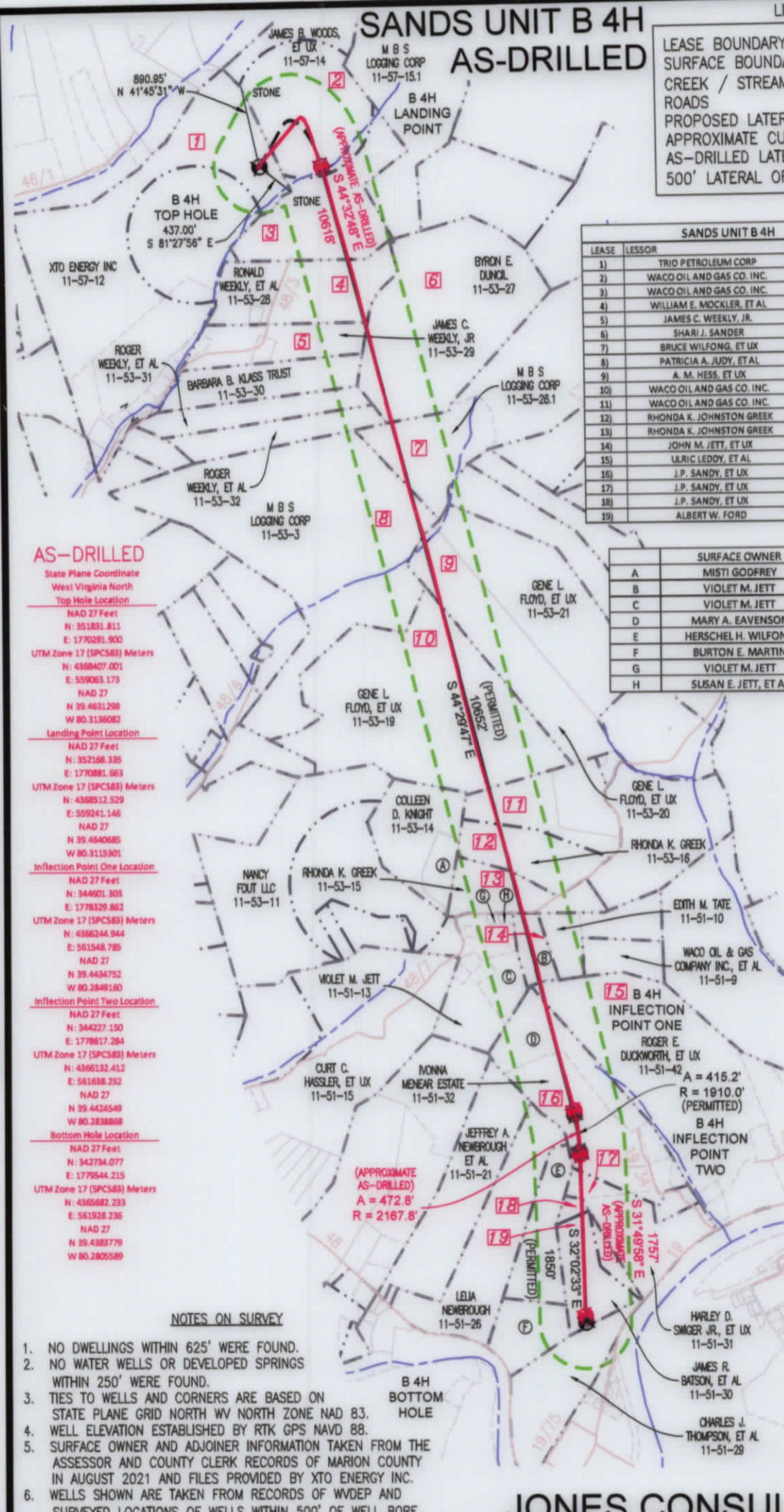
DESIGNATED AGENT: GARY BEALL
 Address: P.O. BOX 1008
 City: JANE LEW State: WV Zip Code: 26378

01/21/2022

SANDS UNIT B 4H AS-DRILLED

LINE LEGEND

LEASE BOUNDARY	
SURFACE BOUNDARY	
CREEK / STREAM	
ROADS	
PROPOSED LATERAL	
APPROXIMATE CURVE	
AS-DRILLED LATERAL	
500' LATERAL OFFSET	



SANDS UNIT B 4H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.441
3)	WACO OIL AND GAS CO. INC.	85.25
4)	WILLIAM E. MOCKLER, ET AL	30.25
5)	JAMES C. WEEKLY, JR.	18.41
6)	SHARI J. SANDER	65.00
7)	BRUCE WILFONG, ET UX	66.25
8)	PATRICIA A. JUDY, ET AL	130.00
9)	A. M. HESS, ET UX	85.00
10)	WACO OIL AND GAS CO. INC.	86.00
11)	WACO OIL AND GAS CO. INC.	23.00
12)	RHONDA K. JOHNSTON GREEK	17.89375
13)	RHONDA K. JOHNSTON GREEK	15.54
14)	JOHN M. JETT, ET UX	7.12
15)	ULRIC LEDDY, ET AL	106.36
16)	J.P. SANDY, ET UX	78.000
17)	J.P. SANDY, ET UX	SAME AS 16
18)	J.P. SANDY, ET UX	SAME AS 16
19)	ALBERT W. FORD	18.00000

SURFACE OWNER			TAX PARCEL		
LETTER	NAME	PARCEL NUMBER	LETTER	NAME	PARCEL NUMBER
A	MISTI GODFREY	11-53-14.1			
B	VIOLET M. JETT	11-51-11			
C	VIOLET M. JETT	11-51-12			
D	MARY A. EAVENSON	11-51-33			
E	HERSCHEL H. WILFONG	11-51-27			
F	BURTON E. MARTIN	11-51-28			
G	VIOLET M. JETT	11-51-13.2			
H	SUSAN E. JETT, ET AL	11-51-13.1			

PERMITTED

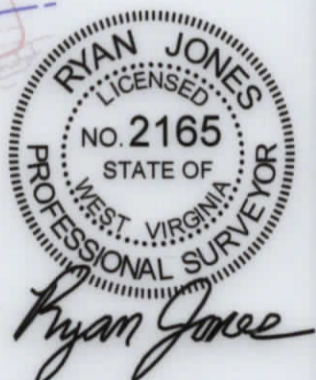
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E: 1770881.403
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E: 559241.067
NAD 27
N 39.4640683
W 80.3115311
Inflection Point One Location
NAD 27 Feet
N: 344570.343
E: 1778346.922
UTM Zone 17 (SPCS83) Meters
N: 4366235.598
E: 561554.140
NAD 27
N 39.4433906
W 80.2848547
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NAD 27 Feet
N: 344245.040
E: 1778608.544
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NOTES ON SURVEY

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SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE
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01/21/2022

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

SANDS UNIT B 4H

Drawn By: JRV	Date: 12/20/21	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.:	JC2018-74
APP # DD.2010.03384.CAP.CMP.01			

