



03/29/2019

Jackie M. Scholar
Regulatory Reporting Coordinator

November 1, 2018

CERTIFIED MAIL: 7016 0340 0000 4903 5648

WV DEP
Office of Oil and Gas
601 – 57th Street
Charleston, WV 25304

RE: Well Operator's Report of Well Work WR-35
Hart 4H

Dear Sir/Madam,

Enclosed here within please find one (1) Well Operator's Report of Well Work WR-35, one (1) copy of the Plat on Mylar, one (1) copy of the FracFocus report, and one (1) copy of the Directional Survey for **Hart 4H, (API 051-01750)**.

If you have any questions, please contact me at (412) 865-3422. Thank you.

Sincerely,
Chevron Appalachia, LLC

Jackie M. Scholar

Enclosures

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NOV 7 2018
WV Department of
Environmental Protection

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 051 - 01750 County Marshall District Washington
Quad Moundsville Pad Name Hart Field/Pool Name _____
Farm name John Hart Well Number Hart 4H
Operator (as registered with the OOG) Chevron Appalachia, LLC
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 516952.37 Easting 1644547.00
Landing Point of Curve Northing 517671.30 Easting 1644197.50
Bottom Hole Northing 523192.37 Easting 1639443.72

Elevation (ft) 1329' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
Synthetic - fluid loss control, emulsifiers, shale stabilizer

Date permit issued 6/16/14 Date drilling commenced 10/1/14 Date drilling ceased 10/8/15
Date completion activities began 6/7/18 Date completion activities ceased 10/31/18
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 254' MD from GL Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1997' MD from GL Void(s) encountered (Y/N) depths N
Coal depth(s) ft 859" MD from GL Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed

Reviewed by:
Jan [Signature]
3/28/17

WR-35
Rev. 8/23/13

API 47-051 - 01750 Farm name John Hart Well number Hart 4H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	36"	30"	40'	New			Y
Surface	26"	20"	310'	New	J-55; 94		Y
Coal	17 1/2"	13 3/8"	894'	New	J-55; 54.50		Y
Intermediate 1	12 1/4"	9 5/8"	2221'	New	L-80; 40		Y
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	14259'	New	P-110; 20		Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Bulk Cement	Bulk Cement				Surface	8
Surface	Class A	600	15.6	1.20	720	Surface	8
Coal	Class A	843	15.6	1.20	1011	Surface	8
Intermediate 1	Class A	770	15.6	1.18	908	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	Lead: 1383; Tail: 1403	Lead & Tail: 15.2	Lead & Tail: 1.26	Lead: 1742; Tail: 1767	500' below 9 5/8" shoe, as planned	8
Tubing							

Drillers TD (ft) 14286' Loggers TD (ft) 14286'

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 5758'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING there is a bow spring centralizer every two joints on the water, coal, and intermediate strings. Production string has two centralizers every joint in the lateral and curve, then one every joint from KOP to surface.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS SEE ATTACHED PERFORATION / STIMULATION REPORT

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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API: 47-051-01750	Farm Name: John Hart	Well Number: Hart 4H
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TVD Base TVD MD Base MD

Pittsburgh Coal			503	
Greenbrier			1793.56	1842.56
Burgoon			1842.56	2273.56
Weir			2273.56	2487.56
Berea			2487.56	2797.56
Gordon			2797.56	3078.32
U. Bayard			3078.32	6226.32
Sycamore Grit			6226.32	6318.32
Middlesex			6318.32	6,526
BRKT	6,421	6,434	6,526	6,547
TLLY	6,434	6,465	6,547	6,600
S5	6,465	6,557	6,600	6,826
S3	6,557	6,570	6,826	6,881
STFD*	6,570	6,572	6,881	6,891
S2.B	6,572	6,583	6,891	6,969
S2.A	6,583		6,969	

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PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	6/23/18	14065	14225	47	Marcellus
2	6/26/18	13865	14025	47	Marcellus
3	6/27/18	13665	13825	47	Marcellus
4	6/27/18	13465	13625	47	Marcellus
5	6/28/18	13265	13425	47	Marcellus
6	6/28/18	13065	13225	47	Marcellus
7	6/29/18	12865	13025	47	Marcellus
8	6/30/18	12665	12825	47	Marcellus
9	6/30/18	12465	12625	47	Marcellus
10	7/1/18	12265	12425	47	Marcellus
11	7/1/18	12065	12225	47	Marcellus
12	7/2/18	11865	12025	47	Marcellus
13	7/3/18	11665	11825	47	Marcellus
14	7/3/18	11465	11625	47	Marcellus
15	7/3/18	11265	11425	47	Marcellus
16	7/4/18	11065	11225	47	Marcellus
17	7/5/18	10865	11025	47	Marcellus
18	7/6/18	10665	10825	47	Marcellus
19	7/6/18	10465	10625	47	Marcellus
20	7/6/18	10265	10425	47	Marcellus
21	7/7/18	10065	10225	47	Marcellus
22	7/7/18	9865	10025	47	Marcellus
23	7/8/18	9665	9825	47	Marcellus
24	7/8/18	9465	9625	47	Marcellus
25	7/9/18	9265	9425	47	Marcellus
26	7/9/18	9065	9225	47	Marcellus
27	7/10/18	8865	9025	47	Marcellus
28	7/10/18	8665	8825	47	Marcellus
29	7/11/18	8465	8625	47	Marcellus
30	7/11/18	8265	8425	47	Marcellus
31	7/12/18	8065	8225	47	Marcellus
32	7/12/18	7865	8025	47	Marcellus
33	7/13/18	7665	7825	47	Marcellus
34	7/13/18	7465	7625	47	Marcellus
35	7/14/18	7265	7425	47	Marcellus
36	7/14/18	7065	7225	47	Marcellus
37	7/14/18	6865	7025	47	Marcellus
38					
39					
40					

Please insert additional copies of this page if additional rows/stages are needed.

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API: 47-051-01750	Well Name: John Hart	Well Number: Hart 4H
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STIMULATION INFORMATION / STAGE								
Complete a separate record for each stimulation stage. (Please insert additional lines for additional stages or additional pages as applicable).								
Stg No.	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	6/23/18	86.5	8165	5750	3907	399224	12665	n/a
2	6/26/18	99.9	8612	n/a	4440	399168	9725	n/a
3	6/27/18	98.1	8806	6281	4203	399379	9605	n/a
4	6/27/18	96.5	9075	n/a	4798	399210	9459	n/a
5	6/28/18	100.1	8755	5499	4834	398765	9664	n/a
6	6/28/18	99.5	8556	6729	4733	399920	9612	n/a
7	6/29/18	99.9	8609	n/a	4586	399329	9566	n/a
8	6/30/18	100.1	8619	6031	4722	398913	9486	n/a
9	6/30/18	100.1	8471	n/a	4840	399559	9545	n/a
10	7/1/18	98.7	8359	6454	4671	399191	9435	n/a
11	7/1/18	99.5	8616	6170	5015	399558	9516	n/a
12	7/2/18	99.4	8192	6949	4693	399638	9420	n/a
13	7/3/18	99.4	8431	5881	4681	399512	9516	n/a
14	7/3/18	99.2	8416	6177	4597	400132	9336	n/a
15	7/3/18	100.4	8343	6196	4892	399577	9488	n/a
16	7/4/18	99.7	8058	6686	4575	400069	9385	n/a
17	7/5/18	98.8	8135	6742	4673	400243	9343	n/a
18	7/6/18	99.9	8331	6530	4929	399974	9591	n/a
19	7/6/18	99.7	8153	6940	4517	400171	9405	n/a
20	7/6/18	100.5	8184	n/a	4885	399801	9483	n/a
21	7/7/18	100.3	7961	5983	4576	399754	9268	n/a
22	7/7/18	100.3	7761	6336	4654	399370	9275	n/a
23	7/8/18	99.9	7705	5499	4740	400232	9165	n/a
24	7/8/18	100.3	8002	5090	4619	399444	9343	n/a
25	7/9/18	99.5	7740	6456	4847	399615	9303	n/a
26	7/9/18	100.1	7698	6463	4782	399430	9232	n/a
27	7/10/18	99.5	7680	6706	4621	399441	9283	n/a
28	7/10/18	100.7	7614	7189	4796	400372	9344	n/a
29	7/11/18	100.3	7462	6517	4910	400082	9170	n/a
30	7/11/18	101.0	7655	6727	4916	399873	9119	n/a
31	7/12/18	100.4	7399	6625	5041	400155	9201	n/a
32	7/12/18	99.9	7589	6690	4597	401759	9266	n/a
33	7/13/18	100.1	7827	6412	4290	399616	9184	n/a
34	7/13/18	100.7	7326	6415	4964	399492	9028	n/a
35	7/14/18	99.4	7103	6559	4839	400352	8849	n/a
36	7/14/18	100.2	7134	6872	4784	399562	9063	n/a
37	7/14/18	100.2	7056	6577	4774	400324	8946	n/a
38								n/a
39								n/a
40								n/a

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API: 47-051-01750	Farm Name: John Hart	Well Number: Hart 4H
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DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Nabors Drilling USA
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10100 NW 10th Street
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25301	City - State - Zip Oklahoma City, OK 73127

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Hydraulic Fracturing Fluid Product Component Information Disclosure

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Job Start Date:	6/23/2018
Job End Date:	7/14/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01750-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Hart 4H
Latitude:	39.91357100
Longitude:	-80.65493200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,585
Total Base Water Volume (gal):	14,669,508
Total Base Non Water Volume:	



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Unislick ST50	Universal Pressure Pumping	Friction Reducer					
				Listed Below			
Unihib G	Universal Pressure Pumping	Acid Inhibitor					

Submitted 8/7/18

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				Listed Below			
Iron Control A	Universal Pressure Pumping	Iron Control Agent					
				Listed Below			
Sand (Proppant)	Universal Pressure Pumping	Proppant					
				Listed Below			
Scale Inhibitor E	Universal Pressure Pumping	Scale Inhibitor					
				Listed Below			
Water	Chevron Appalachia, LLC	Carrier/Base Fluid					
				Listed Below			
Hydrochloric Acid (7.5%)	Universal Pressure Pumping	Acidizing					
				Listed Below			
K-Bac 1020	Universal Pressure Pumping	Biocide					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

			Water	7732-18-5	100.00000	88.17032	
			Silica	14808-60-7	99.90000	10.64192	
			Hydrogen Chloride	7647-01-0	7.50000	0.07986	
			Petroleum Distillates, Hydrotreated Light	64742-47-8	30.00000	0.01989	

			Ammonium Acetate	631-61-8	13.00000	0.00862	
			Polyethylene Glycol	25322-68-3	50.00000	0.00642	
			Ethylene Glycol	107-21-1	30.00000	0.00552	
			Water	7732-18-5	30.00000	0.00385	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00332	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00332	
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00332	
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00277	
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	21.00000	0.00270	
			Hexamethylene Triamine Penta(Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00069	
			DETA phosphonate	15827-60-8	5.00000	0.00069	
			Butyl diglycol	112-34-5	75.00000	0.00062	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00042	
			Methanol	67-56-1	5.00000	0.00004	
			Thiourea	62-56-6	1.00000	0.00001	
			Formaldehyde	50-00-0	1.00000	0.00001	

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* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

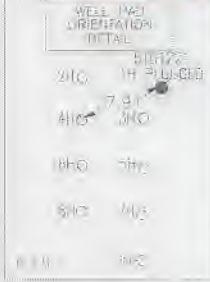
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Well is located on topo map 1,133 feet south of Latitude: 39° 55' 00"

AS DRILLED PLAT

SEE PAGE 2 FOR SURFACE OWNERS



BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4420092.48
 E:527900.80
 NAD83, WV NORTH
 N:523179.28
 E:1639427.61

AS DRILLED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4420096.55
 E:527905.44
 NAD83, WV NORTH
 N:523192.37
 E:1639443.72

PARCEL	LESSOR
A	JOHN J. & RENEE HART
B	CARL W. & BRIDGETT L. YOHO
C	DONN R. & LOIS W. DOWLER
D	DONN R. & LOIS W. DOWLER
E	DONN R. & LOIS W. DOWLER
F	DONN R. & LOIS W. DOWLER
G	DONN R. & LOIS W. DOWLER
H*	CARL W. & BRIDGETT L. YOHO

LINE	BEARING	DISTANCE
1	N 74°52'00" E	22.00'
2	S 70°28'12" E	21.16'
3	S 11°04'00" E	194.59'
4	S 58°58'00" W	145.22'
5	S 15°17'00" W	1640.79'
6	E 41°44'00" E	2068.91'

03/29/2019

NOTES:

- There are no water wells or developed springs within 250' of proposed well.
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- AS-DRILLED LATERAL
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS



Blue Mountain Inc.
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486



Well is located on topo map 8,391 feet west of Longitude: 80° 37' 30"

FILE #: HART 4H AS-DRILLED
 DRAWING #: HART 4H AS-DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *[Signature]*
 R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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



DATE: APRIL 28, 2016
 OPERATOR'S WELL #: HART 4H AS-DRILLED
 API WELL #: 47 51 01750
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1329.17'
 COUNTY/DISTRICT: MARSHALL / WASHINGTON QUADRANGLE: MOUNDSVILLE, WV 7.5'
 SURFACE OWNER: JOHN J. & RENEE HART ACREAGE: 108.550±
 OIL & GAS ROYALTY OWNER: JOHN J. & RENEE HART ACREAGE: 490.687±

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: TVD: 6,584.80'± TMD: 14,318'±
 WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 800 MOUNTAIN VIEW DRIVE Address 500 LEE STREET, EAST SUITE 1600
 City SMITHFIELD State PA Zip Code 15478 City CHARLESTON State WV Zip Code 25301-3202

HART 4H

03/29/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAM H. III & LINDA BARDALL	14-7/41
2	MARSHALL COUNTY 4-H LEADERS	14-7/40
3	JOHN R. REGAN & CONNIE L. THOMAS	14-6/1
4	JOHN W. & MARY A. MILLER	14-6/41
5	JEFFREY L. & JANET L. ALLEN	14-6/40
6	JOHN R. REGAN & CONNIE THOMAS	14-6/2
7	JEFFREY L. & JANET L. ALLEN	14-6/38
8	JEFFREY L. & JANET L. ALLEN	14-6/39
9	DANIEL R. WOOD - SHAWN ALLMAN	14-6/2.1
10	JOHN R. REGAN & CONNIE L. THOMAS	14-6/3
11	ROBERT R. & KATHY D. BROWN	14-6/3.4
12	JOHN R. REGAN & CONNIE L. THOMAS	14-6/3.3
13	BERRIDGE L. ALLEN ET UX	14-6/38.3
14	BERRIDGE L. ALLEN ET UX	14-6/38.1
15	BERRIDGE L. ALLEN ET UX	14-6/38.2
16	JEFFREY L. & JANET L. ALLEN	14-6/37
17	MARC A. MOLOSKI ET UX	14-6/3.1
18	MARC MOLOSKI	14-6/34.4
19	MARY LOU RUBINI	14-6/41.1
20	DENNIS BLAKE ET UX	14-10/10
21	CARL W. & BRIDGETT L. YOHO	14-6/35
22	GARY V. SINGER ET UX	14-6/34.7
23	GARY V. SINGER ET UX	14-6/34.9
24	BONNIE L. & GARY V. SINGER	14-6/34.8
25	GARY A. STROPE	14-6/34.10
26	JAMES D. & DONNA J. DRAKE	14-6/34
27	JENNIFER B. READ	14-6/34.5
28	JOHN J. II & JENNA E. HART	14-10/11
29	DENNIS & MICHELLE S. BLAKE	14-10/11.3
30	JAMES E. BLAKE	14-10/11.1
31	JOHN J. HART ET UX	14-6/36
32	CARL W. YOHO ET AL	14-6/35.1
33	CARL W. & BRIDGETT L. YOHO	14-6/28
34	JERRY S. WHORTON ET UX	14-6/29.1
35	RODNEY J. & CARRIE L. FONNER	14-6/29
36	MARTIN D. FONNER JR. ET UX	14-6/29.2
37	CARL W. & BRIDGETT L. YOHO	14-6/28.1
38	JAMES E. CURRY	14-10/13
39	JOHN J. HART ET UX	14-10/14
40	JOHN J. & RENEE HART	14-10/19.1
41	JEFFREY D. & DENISE A. CRAMER	14-6/27
42	JEFFREY D. & DENISE A. CRAMER	14-10/20
43	JAMES E. CURRY	14-10/15
44	JOHN J. & RENEE HART	14-10/19
45	JOHN J. HART ET UX	14-10/18
46	HEIKKI & TRISHA YEAGER	15-15/8.6
47	JOHN A. BIERCE II ET UX	15-15/3

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83
N:4418221.51
E:529491.96
NAD83_WY NORTH
N:516952.37
E:1644547.00

AS DRILLED
SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4418221.51
E:529491.96
NAD83_WY NORTH
N:516952.37
E:1644547.00

APPROX. LANDING POINT
UTM 17-NAD83
N:4418299.57
E:529503.87
NAD83_WY NORTH
N:517207.87
E:1644590.37

AS DRILLED
APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4418438.75
E:529381.82
NAD83_WY NORTH
N:517671.30
E:1644197.50

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83
N:4420092.48
E:527900.60
NAD83_WY NORTH
N:523179.28
E:1639427.61

AS DRILLED
BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4420096.55
E:527905.44
NAD83_WY NORTH
N:523192.37
E:1639443.72

APRIL 28, 2016