



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, July 22, 2020
WELL WORK PERMIT
Vertical / Re-Work

CHEETAH EXPLORATION & PRODUCTION LLC
PO BOX 2722

BUCKHANNON, WV 26201

Re: Permit approval for TW-46 REVISED
47-085-07367-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: TW-46 REVISED
Farm Name: WYATT, DANIEL E.
U.S. WELL NUMBER: 47-085-07367-00-00
Vertical Re-Work
Date Issued: 7/22/2020

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned to the right of the typed name and title.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
 2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
 7. Well work activities shall not constitute a hazard to the safety of persons.
 8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.
-

FORM WW-3 (B)
1/12



1) Date: 06/17/2020
2) Operator's Well No. Carder/Wyatt TW-46
3) API Well No.: 47 - Ritchie - 07367
State County Permit
4) UIC Permit No. UIC2D08507367

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL TYPE: Liquid Injection / Gas Injection (not storage) / Waste Disposal
6) LOCATION: Elevation: 920 Watershed: Goose Creek
District: Grant County Ritchie Quadrangle Cairo
7) WELL OPERATOR: Cheetah Exploration & Production, LLC
Address PO Box 2722
Buckhannon, WV 26201
8) DESIGNATED AGENT Patrick A. Brake
Address Same

9) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Goff
Address 1723 Pullman Road
Pullman, WV 26421
10) DRILLING CONTRACTOR Name Perkins Oil and Gas, Inc
Address PO Box 547
Pennsboro, WV 26415

11) PROPOSED WELL WORK Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation / Convert
Other physical change in well (specify) See rework procedure attached (squeeze existing perforations then perforate targets and acidize)

12) GEOLOGIC TARGET FORMATION Oriskany / Bass Islands Depth 5819 Feet (top) to 6034 Feet (bottom)

13) Estimated Depth of Completed Well, (or actual depth of existing well): 7500 Feet

14) Approximate water strata depths: Fresh 230 Feet Salt 1800 Feet

15) Approximate coal seam depths: 580, 1140, 1409

16) Is coal being mined in the area? Yes No

17) Virgin reservoir pressure in target formation 1400 psig Source 10142

18) Estimated reservoir fracture pressure 2940 psig (BHFP)

19) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour 200 bbls Bottom hole pressure 4655

20) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES Produced fluids, flowback and other Class II fluids

21) FILTERS (IF ANY) 5-10 micron

22) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL Corrosion inhibitor added at a rate of .25 gal per 1000.

23) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (CU. FT.)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left In Well		
Conductor	16			x		319	319	CTS	Kinds
Fresh Water									Baker Hughes Hornet
Coal									Sizes
Intermediate	8 5/8			x		1979	1979	CTS	2 7/8" X 4 1/2"
Production	4 1/2			x		7500	7500	CTS	Depths set
Tubing	2 7/8	N-80	7.9	x		5800	5800		5730
Liners									Perforations
									Top Bottom
									6034

24) APPLICANT'S OPERATING RIGHTS were acquired from Daniel E. Wyatt
by deed / lease x / other contract / dated 04/03/2020
Ritchie County Clerk's office in Harrisville, WV

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Office of Oil and Gas
JUN 23 2020
Book 27 of record in the
WV Department of Environmental Protection Page 180

Rework/Conversion Procedure 47-085-07367

Carder-Wyatt TW-46

Scope of work and Goal:

Plans are to convert the referenced well to a commercial Class II disposal well and therefore will need to complete needed well work to prepare it. The well was drilled in 1985 and logged but was not perforated and/or completed. It was drilled to a total depth of 7500 feet through the Rose Hill formation and all 3 strings of casing ran in this well are cemented to surface, according to the WR-35. No other well work permits are on file with the WVDEP. While preparing the paperwork for this work an additional suite of logs was located indicating a bridge plug had been set at 4657 feet and the Lower Huron was perforated with 26 holes on April 13, 2005. Plans are to submit a well work permit application to the WVDEP-Office of Oil and Gas to prep the site, rework the access road, squeeze the perforated Lower Huron interval, remove the bridge plug, pressure test the 4 ½ casing, perforate the Oriskany (5818 - 5911 feet) and the Bass Island (5990 – 6034 feet) and run tubing/packer. Plans are then to acidize the perforated intervals, through the 4.5" casing, with 1500 gallons of 20%- 28% HCL and then conduct an injectivity test. Should the test be successful a complete UIC Permit Application will be filed for review and approval. Once the UIC Permit is issued then 2 7/8" tubing will be ran in well with packer set within 100 feet of the top of the Oriskany which is 5818 feet. Do not plan to stimulate the well at this time.

Participating

Allstate Disposal, LLC

Brad Blair
PO Box 668
Cambridge, Ohio 43725
740-837-0229
bradleybblair@yahoo.com

ALL Consulting
Tom Tomastik
10811 Keller Pines Court
Galena, Ohio 43201
614-940-3521
ttomastik@all-llc.com

Cheetah Exploration and Production, LLC

Pat Brake
PO Box 2722
Buckhannon, WV 26201
304-677-0214
P.brake@Cheetahenergyllc.com

Lone Wolf Construction
Dan Webb
PO Box 25
Crawley, WV 24931
304-890-4546
Dwebb1953@gmail.com

GCS Consulting, LLC

Gene Smith
PO Box 4282 Amma Road
Amma, WV 25005
304-444-0085
Genesmith17@gmail.com

Producers Service Corporation
Jason Stansbery
109 South Graham Street
Zanesville, Ohio 43701
740-319-2829
Jstanbery@producerservicecorp.com

Nine Energy Service
Jeff Hyre
6500 West Freeway, Suite 600
Fort Worth, TX 76116
724-967-5111
Jeff.hyre@nineenergyservice.com

Formation Cementing
Brian Jasper
PO Box 2667
Zanesville, Ohio 43702
740-453-6926
Formationcementing@outlook.com

Stalnaker Energy Corp.
Ron Stalnaker
PO Box 178
Glennville, WV 26351
304-462-5701
Rstalnaker@stalnakerenergy.com

BBU Services of WV, LLC
Troy Boster/Gerald Butcher
986 Kentuck Road
Kenna, WV 25248
304-531-9398/304-415-8068
troyboster@bbuservicesofwv.com

This well and access are off of WV Rt. 50 onto Cty Rt. 18 Goose Creek Road in Ritchie County. The speed limit for this road is 45 MPH. This well site is not visible from Goose Creek Road and is approximately 2400 feet off of it. For 911 and contractors the access to this well is approximately 4 miles down Goose Creek Road and ¼ mile below an established address of 3524 Goose Creek Road. The access off of Goose Creek will be flagged and the Lat/Long is 39 12' 18"/81 14' 25". Due to the grade of the access someone will meet you for assistance getting to and from the well site.

The supervisor for each phase will be Pat Brake and/or Gene Smith. Tailgate safety meetings will be conducted at the beginning of each day and prior to the initiation of each separate operation. A representative of the operation to be conducted will lead the meeting.

The emergency spill coordinator will be Pat Brake and/or Gene Smith and the clean up crew on stand by is BBU Services of

Wyatt Rework-Conversion Procedure

Day 1

1. Obtain necessary well work permit and Injectivity Test approval
2. Contact Oil and Gas Inspector Mike Goff 304-549-9823 24 hrs. prior to any work including dirt work
3. Webb upgrades well site to a minimum of 50 X 100' and access road to well, applies culverts and stone as necessary
4. Webb to provide mud scrapping and washing of state road as required
5. MI Webb RU 4 - 210 bbl. tanks on 85-7367 well site for work over and testing
6. Webb fills two tanks with fresh water for cementing and pressure testing the pipe
7. At the conclusion to the remediation work Webb will fill all 4 tanks with salt water @ ____ # per gallon or a specific gravity of _____ for injection test.
8. MI RU Stalnaker check pressure on well and record on DAR releases if any.
9. Stalnaker RIH with sand line and lubricator and check TD using a dioptometer
10. Stalnaker will TD, top of CIBP that should be at 4657 feet. If CIBP is not found continue to PBTD of 7500' and record on DAR
11. MI RU Nine Energy Services Inc and RIH with Gamma Ray CCL log and confirm location of CIBP or PBTD and look for perforation throughout the well and the reported perms from 4525 – 4530 feet (10 holes) and 4545 – 4555 (16 holes)
12. IF no CIBP or perforation are found then proceed to number 15/16 then 28+
13. If perforations are present at 4600 set cement retainer 10 foot +/- above top perforation
14. Webb moved in a portable circulation tank of digs and lines a DEP approved pit able to contain 200 BBL of water

Day 2

15. Stalnaker to RIH with 2 3/8 EUE tubing, stinger and one centralizer within 50' of the Nine Energy Services cement retainer. A 2500# tubing head and pack off rubbers will be used. Do not sting into the retainer at this time.
16. MIRU Formation Cementing (use Class A cement with 2% gel) to test casing from top of cement retainer to TOH
17. Formation will pressure test for integrity the 4 1/2" casing (freshwater will be loaded in casing and pressured up to _____? ___ psi and hold for 20 minutes with no more than a 5% bleed off (pressure test be done with tubing in the hole)
18. Should it fail need to pressure up two more times and hold for 20 minutes each)
19. Pressure test fails after third attempt then need to stop and reevaluate whether to continue or remediate
20. Pressure test passes then proceed by lowering the tubing into the formation pack and Formation will then test the tubing string and record same
21. After test passes lower tubing completely into the cement retainer and have Formation establish an injection rate of ____ BPM at not more than ____ PSI.
22. If injection test is acceptable unsting from retainer and have formation pump cement to top of retainer then sting into retainer and displace up to 75 sacks of cement

23. After completion of squeeze, sting out of cement retainer and reverse circulate the cement out of the tubing, POOH the tubing, stinger and centralizer
24. Shut down for the day and let cement setup (decision to be made on how many hours between 8 and 48 to allow cement to cure and reach compressive strength)

Day 3

25. MIRU Stalnaker power swivel and pumps and fluid control head and use a 3 7/8 tri cone bit and drill out retainer and cement, do not drill out the CIBP and do not exceed 8000# pounds of weight on the bit during drilling. Maintain 20 minutes circulation time between connections (bottoms up)
26. Upon reaching the top of the CIBP, pull tubing up a joint
27. MIRU Formation and pressure the 4.5" to _____psi and hold for 20 minutes with no more than a 5% bleed off (pressure test be done with tubing in the hole). Should it fail need to pressure up two more times and hold for 20 minutes.
28. Pressure test fails after third attempt then need to stop and reevaluate whether to continue or remediate
29. IF test is successful then Stalnaker is to drill out the bridge plug and chase same to the well depth of 6200 feet with the tubing and bit circulating bottoms up every 500 foot to TD. Circulate the PBDT for one hour

Day 4

30. POOH Tubing
31. MIRU Formation and pressure test casing to _____psi and hold for 20 minutes with no more than a 5% bleed off. Should it fail need to pressure up two more times and hold for 20 minutes.
32. MIRU Nine Energy Services to run, gauge ring, and cement bond log from TD to top of cement
33. Nine Energy Services to set a permanent CIBP 100-120 feet below bottom of the Bass Island to isolate the zone from TD and remain in the hole

Day 5

34. Nine Energy Services perforates the Bass Island interval from 5990' to 6034' using recommend shots and pattern as suggested by Nine Energy Services (perfs around 4 per foot and size around 5")
 35. Nine Energy Services perforates the Oriskany from 5818' to 5911' using recommend shots and pattern as suggested by Nine Energy Services
 36. Stalnaker RIH tubing to spot acid across perforated areas
 37. MIRU Producers Services to conduct Acid job on both formations not to exceed 2200 psi
 38. Stalnaker POOH tubing
 39. Producers Services conducts injectivity test through the 4.5 casing following the attached procedure provided by ALL Consulting
 40. All well work and testing completed for now and client to evaluate the injectivity testing
-

GCS Consulting, LLC
4282 Amma Road, Amma West Virginia 25005
304-444-0085 genecsmith17@gmail.com

June 24, 2020

Mr. Taylor Brewer, Assistant Chief of Permitting
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

Re: Injectivity Test Request

Taylor,

Plans are to convert 47-085-07367 to a commercial Class II disposal well and therefore will need to complete needed well work to prepare it. The well was drilled in 1985 and logged but was not perforated and/or completed at that time. It was drilled to a total depth of 7500 feet through the Rose Hill formation and all 3 strings of casing ran in this well are cemented to surface according to the WR-35 Well Operators Report. No other well work permits are on file with the WVDEP. While preparing the paperwork for this work an additional suite of logs was located indicating a bridge plug had been set at 4657 feet and the Lower Huron was perforated with 26 holes on April 13, 2005. Plans are to submit a well work permit application to the WVDEP-Office of Oil and Gas to prep the site, rework the access road, squeeze the perforated Lower Huron interval, remove the bridge plug, pressure test the 4 ½" casing and perforate the Oriskany (5818 - 5911 feet) and the Bass Island (5990 - 6034 feet). Plans are then to acidize the perforated intervals through the 4 ½" casing with 1500 gallons of 20%- 28% HCL and then conduct an injectivity test. If the test is successful a complete UIC Permit application will be submitted for review. Upon issuance 2 7/8" tubing and packer will be ran this well. The packer will be set within 100 feet of the top of the Oriskany. Do not plan to stimulate the well at this time.

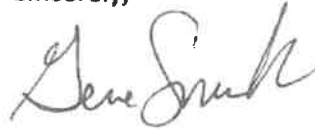
The fluid to be used for the injectivity test will be provided by R and R Oil and Gas, LLC and has a specific gravity of 1.12. Plan to inject 400-500 bbls into each zone at a rate of 2-8 barrels per minute and try to average 4 bbls per minute. The maximum injection pressure will be established by the Office of Oil and Gas based upon the information that has been provided. The duration of the test will be up to 8 hours.

On behalf of Cheetah Exploration and Production, LLC I am hereby asking for written approval to conduct the injectivity test if it cannot be approved as part of the procedure submitted with the well

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work application and hopeful subsequent permit issuance. Enclosed please find the rework well work application, rework procedure, well schematic, topo map section, and a WR-35 Well Operators Report. Should you need additional information or wish to discuss feel free to contact me. Thanks for the consideration.

Sincerely,



Gene Smith

GCS Consulting, LLC

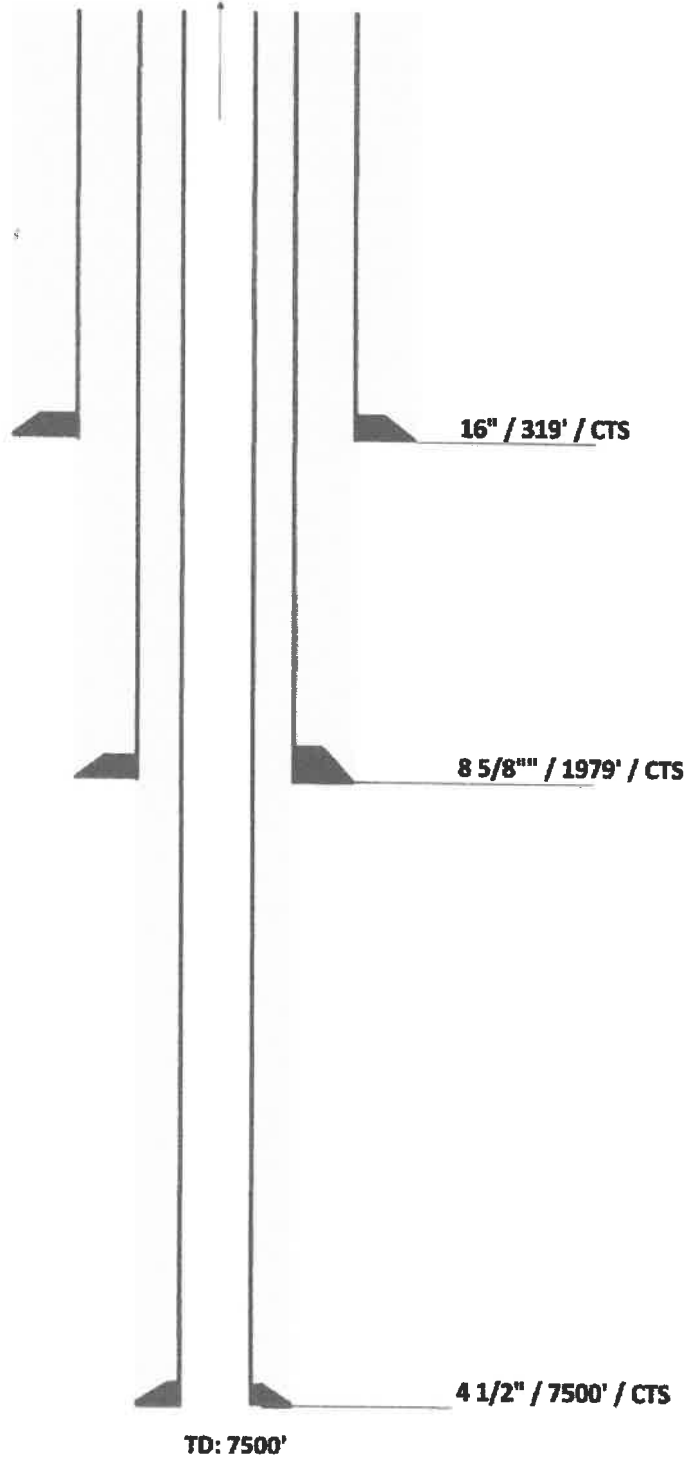
Cc: Pat Brake/Cheetah Exploration and Production

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Carder/Wyatt TW-45-1
API 47-085-07367

RITCHIE CO.
GRANT DISTRICT

Elevation: 926'



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IV-35
(Rev 8-81)

MAR 25 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date March 1, 1986
Operator's
Well No. Carder/Wyatt TW-45-1
Farm Daniel Wyatt
API No. 47 - 85 - 7367

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 920 Watershed Goose Creek
District: Grant County Ritchie Quadrangle Cairo

COMPANY Techwell, Inc.
ADDRESS P.O. Box 746 Morgantown, WY 26606
DESIGNATED AGENT Darus H Zehrbach
ADDRESS same
SURFACE OWNER Daniel Wyatt
ADDRESS 6852 Highland Place Martinsburg, WV 26005
MINERAL RIGHTS OWNER SAME
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
Sgt. Herbert ADDRESS Smithville, WV 26119
PERMIT ISSUED 1/23/85
DRILLING COMMENCED 5/22/85
DRILLING COMPLETED 6/2/85
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	319	319	CTS
13-10"			
9 5/8			
8 5/8	1979	1979	CTS
7			
5 1/2			
4 1/2	7500	7500	CTS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Beards Depth 8500 feet
Depth of completed well 7400 feet Rotary / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: 500, 1140, 1400 Is coal being mined in the area?

OPEN FLOW DATA
Producing formation NOT FRACED Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in (if applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

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JUN 28 2020
OFFICE OF OIL AND GAS

FORM IV-35

PERFORATION AND FRACTURING DETAILS

NONE AT THIS TIME

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS INCLUDING INDICATION OF ALL FRESH AND SALT WATER, COAL, OIL, GAS
SOIL			0	20	
SHALE			20	100	
SILTSTONE & SHALE			100	160	
SILTSTONE & SANDSTONE			160	180	
SHALE & SILTSTONE			180	300	
SANDSTONE			300	410	
SHALE			410	480	
SANDSTONE			480	500	
COAL			500	510	
SILTSTONE			510	530	
SANDSTONE			530	560	
SHALE & SANDSTONE			560	630	
SHALE			630	720	
LIMESTONE & SHALE			720	730	
SHALE			730	790	
LIMESTONE & SHALE			790	800	
NO SAMPLE			800	850	
SHALE			850	880	
SANDSTONE			880	890	
NO SAMPLE			890	900	
SANDSTONE & SHALE			900	910	
SHALE			910	930	
SHALE & SANDSTONE			930	1000	
SHALE			1000	1020	
LIMESTONE & SHALE			1020	1030	
SHALE			1030	1040	
SHALE & SANDSTONE			1040	1050	
NO SAMPLE			1050	1060	
SANDSTONE			1060	1100	
SHALE			1100	1120	
SHALE			1120	1140	
COAL			1140	1150	
SHALE			1150	1200	
SANDSTONE			1200	1400	
SANDSTONE & COAL			1400	1420	
SHALE & SANDSTONE			1420	1440	
SANDSTONE			1440	1500	
SHALE & SANDSTONE			1500	1560	
SANDSTONE			1560	1620	
NO SAMPLE			1620	1660	
LIMESTONE			1660	1810	

BIG LIME

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SANDSTONE	1810	1940	BIG INJUN
SHALE	1940	2000	
SHALE & SILTSTONE	2000	2260	
SHALE & SANDSTONE	2260	2270	
SHALE	2270	2300	
SILTSTONE	2300	2310	
SILTSTONE & SANDSTONE	2310	2330	BEREA
SHALE & SILTSTONE	2330	3000	
SILTSTONE & SANDSTONE	3000	3010	
SILTSTONE	3010	3060	
SHALE & SILTSTONE	3060	5555	
SHALE	5555	5627	MARCELLUS
LIMESTONE	5627	5810	ONONDAGA
SANDSTONE	5810	5911	ORISKANY
LIMESTONE	5911	6215	HELDEBERG
LIMESTONE	6215	6261	BASS ISLAND
LIMESTONE	6261	6400	
LIMESTONE & DOLOMITE	6400	6510	
DOLOMITE & SALT	6510	6620	
DOLOMITE	6620	6800	
LIMESTONE & DOLOMITE	6800	6860	
DOLOMITE	6860	7400	
LIMESTONE & DOLOMITE	7400	7500	

GAMMA RAY TOPS AND BOTTOMS

MARCELLUS	5555	5627
ONONDAGA	5627	5810
ORISKANY	5810	5911
HELDEBERG	5911	6215
BASS ISLAND	6215	6261
SALINA G	6261	6471
SALINA F	6471	6784
SALINA E	6784	6941
SALINA D	6941	6982
SALINA C	6982	7056
SALINA B	7056	7140
NEWBERG (WILLIAMSPORT)	6965	6982
LOCKPORT	7140	7430
ROSE HILL	7430	7500

TECHWELL, INC.
WELL OPERATOR

BY: E. RAY GARTON-GEOLOGIST
HAMMOTH GEO. INC.

DATE: March 21, 1986

RECEIVED
Office of Oil and Gas
JUN 23 2020
WV Department of
Environmental Protection

FORM WW-3 (A)
1/12



1) Date: 6-17-20
 2) Operator's Well No. Carder/ Wyatt TW-46
 3) API Well No.: 47 - 085 - 07367
State County Permit
 4) UIC Permit No. UIC2D08507367

**STATE OF WEST VIRGINIA
 NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,**

5) Surface Owner(S) To Be Served (a) Name <u>Daniel E. Wyatt</u> Address <u>7032 Fieldstone Place</u> <u>Columbus, Ohio 43235</u> (b) Name _____ Address _____ (c) Name _____ Address _____	7) (a) Coal Operator Name _____ Address _____ 7) (b) Coal Owner(S) With Declaration Of Record Name _____ Address _____ Name _____ Address _____ 7) (c) Coal Lessee with Declaration Of Record Name _____ Address _____
6) Inspector Address _____ Telephone _____	

TO THE PERSONS NAMED ABOVE: You should have received this form and the following documents

- (1) The Application For A Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is 10/15 20 20.

THE REASON YOU HAVE RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION [(FORM WW-3(B))] DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE ACTION AT ALL.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of the mailing or delivery to the Chief.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Chester Exploration & Production, LLC
 Address PO Box 2722
Buckhannon, WV 26201
 By: Patrick A. Brooke
 Its: Director of Operations
 Signature: [Signature]

RECEIVED
Office of Oil and Gas
June 23 2020
WV Department of Environmental Protection

SURFACE OWNER WAIVER

County Ritchie

Operator
Operator well number

Cheetah Exploration & Product
Carder/Wyatt TW-46

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A / 3A

The well operator named on page WW-2A / 3A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A / 3A, and attachments consisting of pages 1 through ___ including a work order on Form WW-2B / 3A, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Daniel E. Wyatt
Signature

Date 6/19/20

Company Name
By
Its

DANIEL E. WYATT

Print Name

Signature

RECEIVED
Office of Oil and Gas

JUN 23 2020

WV Department of
Environmental Protection

Date

Date

WW-2A / 3A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Ritchie
Operator Cheetah Exploration & Production Operator's Well Number Carder/Wyatt TW-46

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW-2A / 3A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature Date

Company Name
By
Its Date

Signature Date

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Office of Oil and Gas
JUN 23 2020
WV Department of
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**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Daniel E. Wyatt	Cheetah Exploration & Production, LLC	.15	327/180

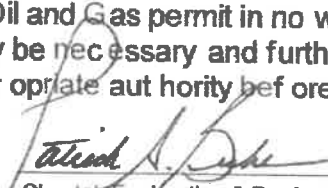
**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:


Cheetah Exploration & Production, **RECEIVED**
Director of Operations Office of Oil and Gas

JUN 23 2021
WV Department of
Environmental Protection

WW-2B1
(5-12)

Well No. Carder/Wyatt TW-46

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Sturm Environmental Services
Sampling Contractor GCS Consulting, LLC

Well Operator Cheetah Exploration & Production, LLC
Address PO Box 2722
Buckhannon, WV 26201
Telephone 304-677-0214

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

No Water Wells Within 2000'

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Office of Oil and Gas
JUN 23 2020
WV Department of
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Cheetah Exploration & Production, LLC OP Code _____

Watershed (HUC 10) Goose Creek Quadrangle Cairo

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Cementing fluids and cuttings

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 47-085-10142)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Drilling out cement and bridge plug only

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments hereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Patrick A. Bank*

Company Official (Typed Name) Patrick A. Bank

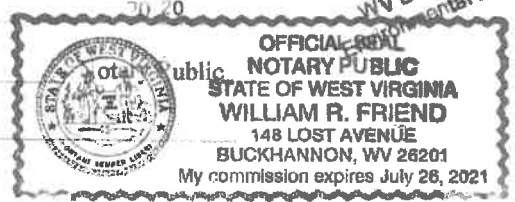
Company Official Title Director of Operations

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Office of Oil and Gas
JUN 23 2020

Subscribed and sworn before me this 13 day of JUNE

William R. Friend

My commission expires JULY 26 2021



WV Department of Environmental Protection

Cheetah Exploration & Production, LLC

Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Contractors Mix	100	Contractors Mix	100

Attach:
Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlin

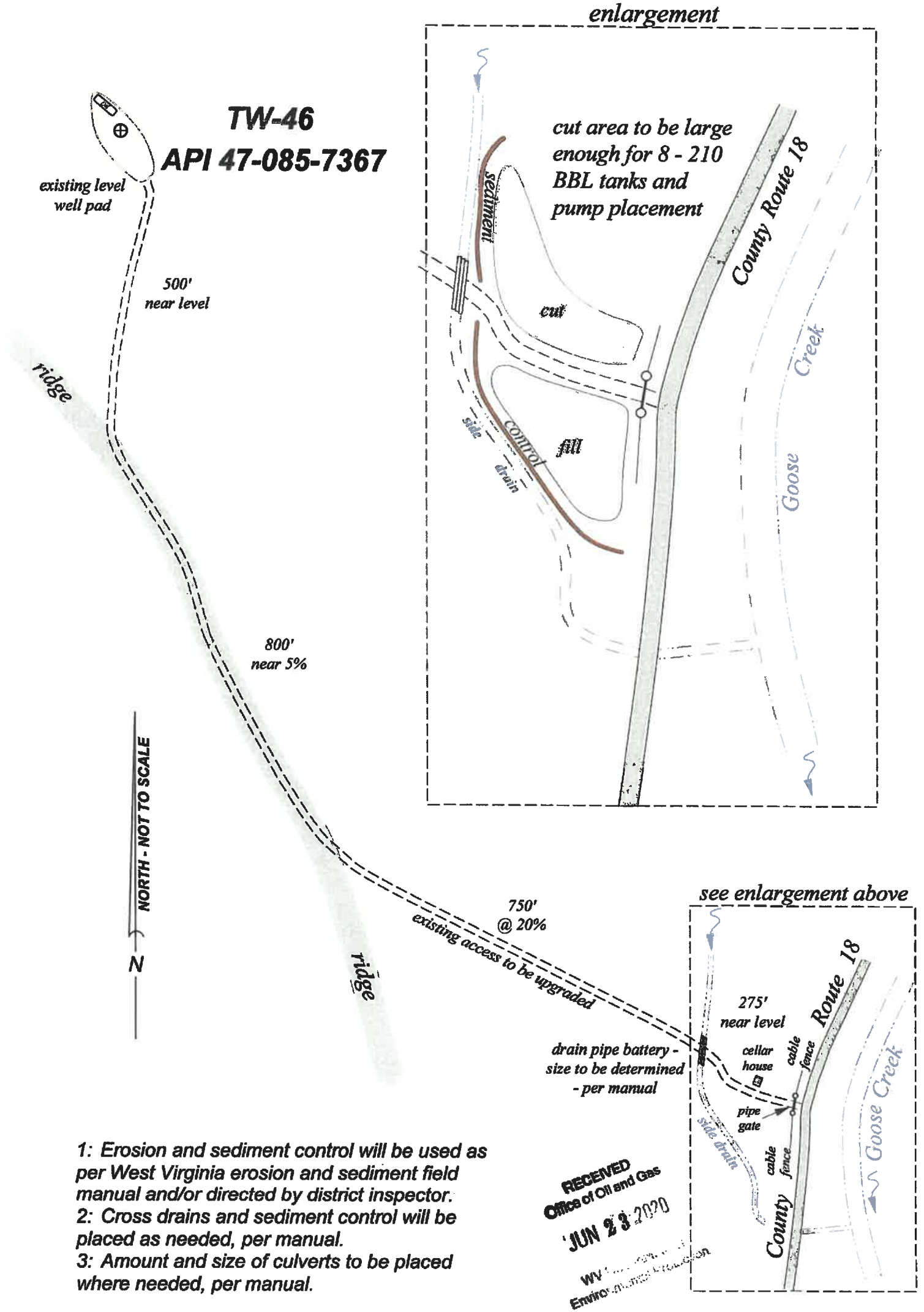
Comments: _____

Title: Oil & Gas inspector supervisor Date: 6-23-2020

Field Reviewed? () Yes () No

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JUN 23 2020
WV Department of
Environmental Protection

Cheetah Exploration & Production, LLC
Well: TW-46 API 47-085-7367
Carder/Wyatt 180 Acre Lease
Grant District Ritchie County West Virginia



- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed, per manual.
- 3: Amount and size of culverts to be placed where needed, per manual.

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 WV Department of Environmental Protection

81°14' 39.308" (81.244252)

10190'

LATITUDE

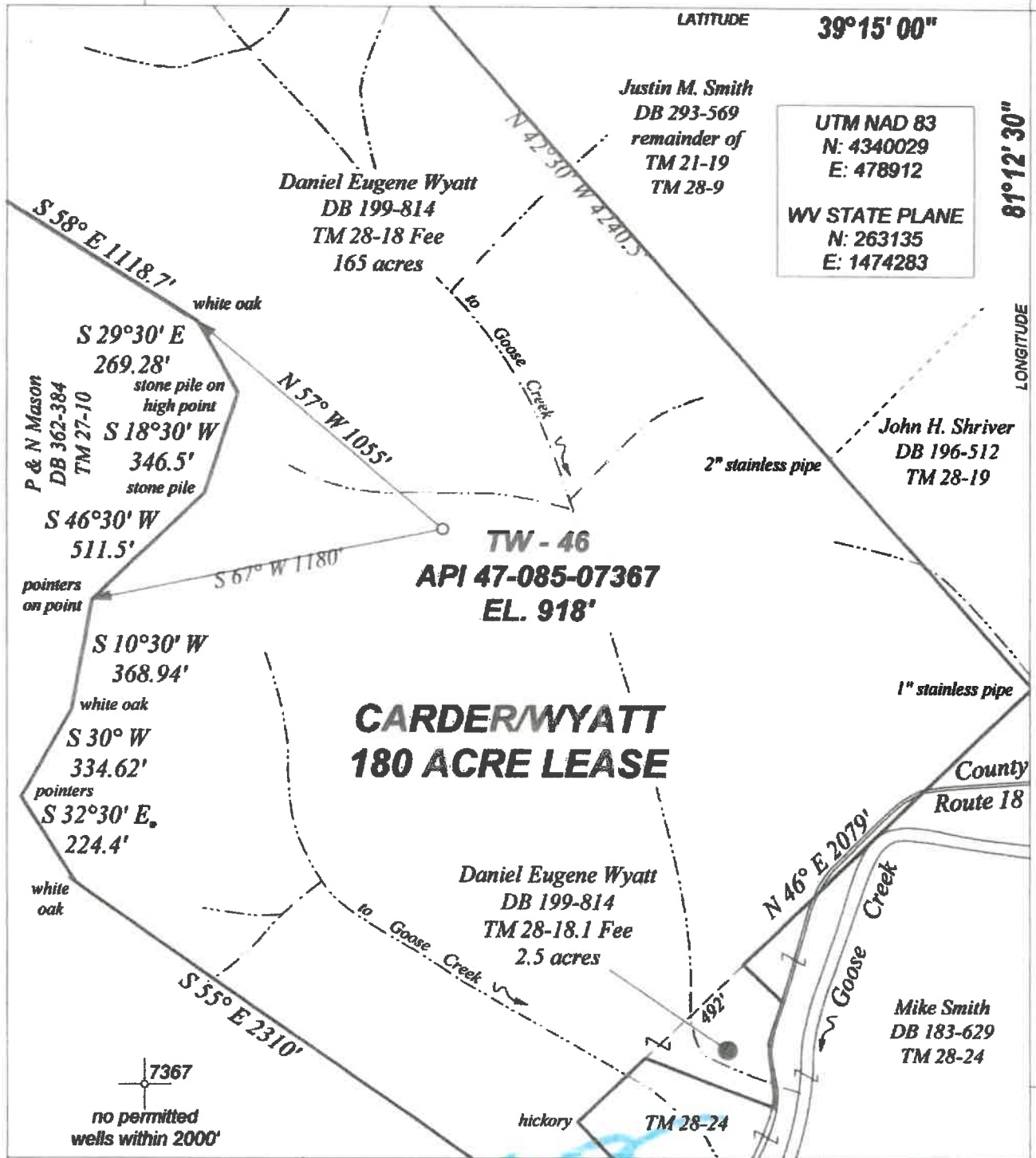
39°15' 00"

81°12' 30"

LONGITUDE

14180'

39°12' 33.310" (39.209273)



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY ORIGINAL
 PROVEN SOURCE OF ELEVATION GPS
 OBSERVATION

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 ENERGY.

(SIGNED)

PROFESSIONAL SURVEYOR: 551



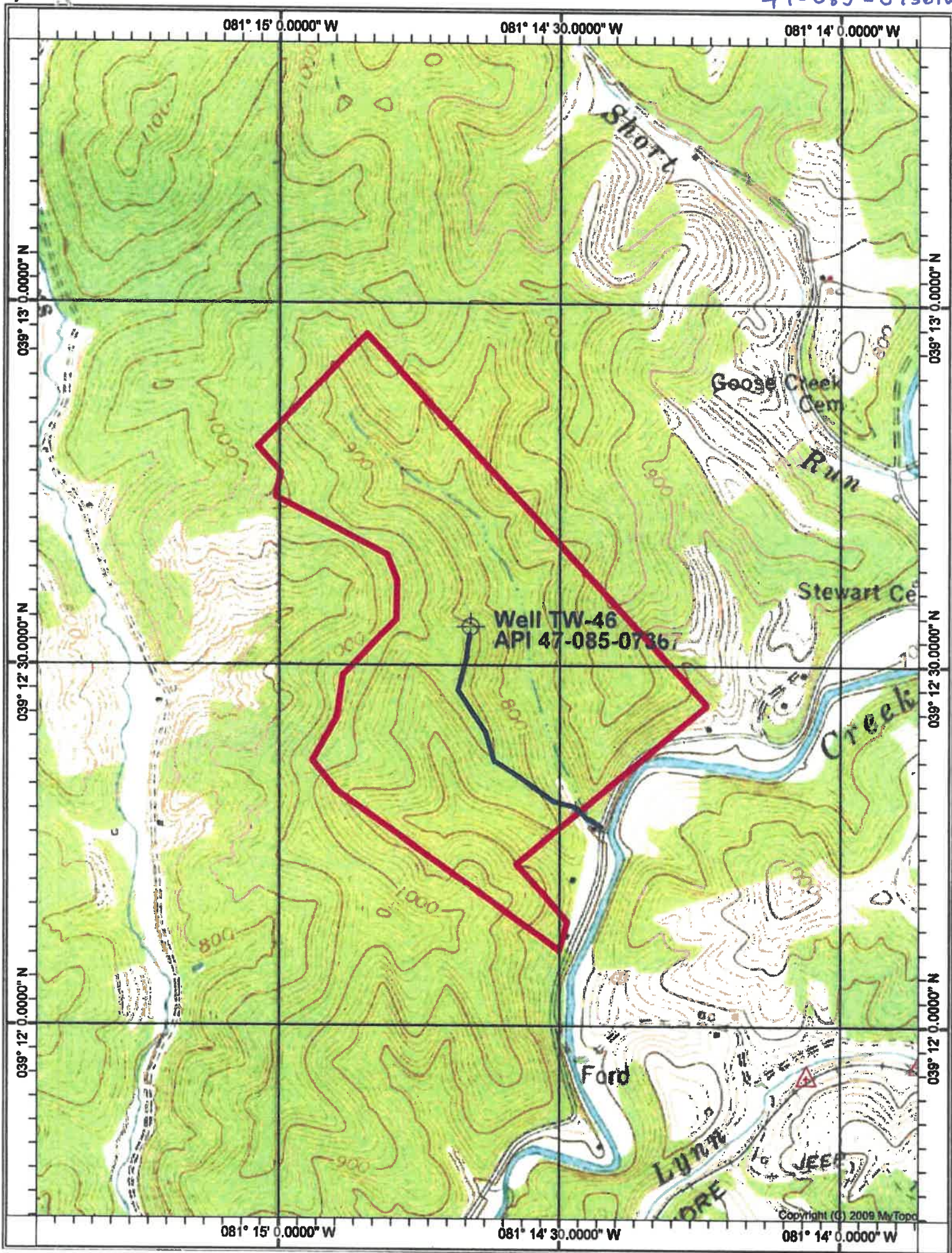
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

DATE JUNE 16TH, 2020
 OPERATORS WELL NO. TW - 46

API 47 - 085 - 07367
 STATE COUNTY PERMIT

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

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 JUN 23 2020
 WV Department of
 Environmental Protection



CAIRO QUADRANGLE

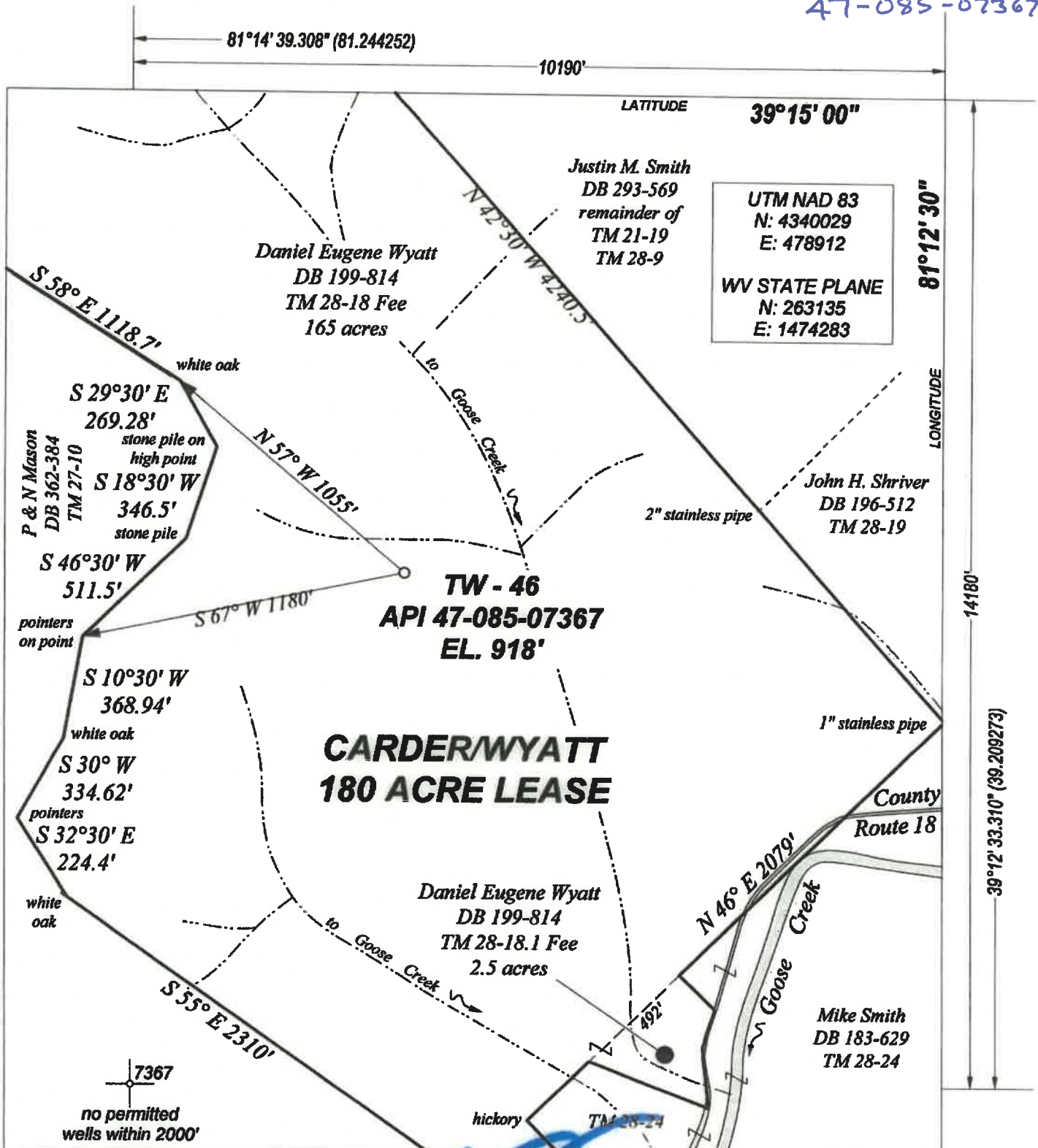
SCALE 1' = 1000'

CHEETAH EXPLORATION & PRODUCTION, LLC

**WELL: TW-46 API 47-085-07367
CARDER / WYATT 180 ACRE LEASE**

GRANT DISTRICT RITCHIE COUNTY WEST VIRGINIA

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Office of Oil and Gas
JUN 23 2020
WV Department of
Environmental Protection



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY ORIGINAL
 PROVEN SOURCE OF ELEVATION GPS
 OBSERVATION

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 ENERGY.

(SIGNED) _____
 PROFESSIONAL SURVEYOR: 551



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

DATE JUNE 16TH, 2020
 OPERATORS WELL NO. TW - 46

API 47 - 085 - 07367
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 918' WATER SHED GOOSE CREEK
 DISTRICT GRANT COUNTY RITCHIE QUADRANGLE CAIRO

SURFACE OWNER DANIEL E. WYATT ACREAGE 180
 OIL & GAS ROYALTY DANIEL E. WYATT LEASE AC. 180

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___
 FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
 PERFORATE NEW FORMATION ___
 OTHER PHYSICAL CHANGE IN WELL ___ LIQUID INJECTION ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION ORISKANY - BASS ISLAND ESTIMATED DEPTH 5819' to 6261'

WELL OPERATOR CHEETAH EXPLORATION & PROD., LLC DESIGNATED AGENT PAT BRAKE
 ADDRESS P. O. BOX 2722 ADDRESS P. O. BOX 2722
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

FORM WW - 6

COUNTY NAME **RITCHIE**
PERMIT **07367**

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice;
- 2) Your Well Name and Number;
- 3) To be filled out by the Office of Oil & Gas unless this well is covered by an existing permit;
- 4) To be filled out by the Office of Oil & Gas unless this well is covered by an existing permit;
- 5) Use separate sheet, if necessary;
Surface Owner(s) of record to be served with the Notice of Application. However, see also Code 22-6-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands."
- 6) Inspector;
- 7) Use separate sheet, if necessary;
 - a) "Coal Operator" means a person, firm, partnership, partnership association or corporation that proposes to or does operator a coal operator;
 - b) See Code 22-6-36;
 - c) See Code 22-6-36;

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code 22-6-6 and Regulation 7.02 provide that the original and two copies of the Notice and Application must be filed with the Chief, accompanied by (1) a plat in the form prescribed by Regulation 11; (2) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by code 22-6-26; and (3) the "Construction and Reclamation Plan" for Form WW-9, applicable to the plan required by Code 22-1-G(d) and the reclamation required by Code 22-6-30 and Regulation 23; unless if applicable, the consent required by code 22-6-21 from the owner of any water well or dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with interest in the coal. See Code 22-6-9, 22-6-13 and 22-6-14.

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Office of Oil and Gas
JUN 23 2020
WV Department of
Environmental Protection

FORM WW-3(B)
(Office of Oil & Gas Use Only)
1/12

OFFICE USE ONLY

DRILLING PERMIT

Permit Number _____

Date: _____

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil & Gas Inspector, (Refer to No. 9) prior to the construction of roads, locations, pits for any permitted work. In addition, the Well Operator or his contractor shall notify the proper District Oil & Gas Inspector 24 hours before actual permitted work has commenced.

The permitted work is as described in the Notice of Application, plat and (if required) Construction and Reclamation Plan, subject to any modifications and conditions specified below.

Permit Expires _____ unless well work is commenced prior to that date and prosecuted with due diligence.

Bond	Agent	Plat	Casing	Fee
------	-------	------	--------	-----

CHIEF, OFFICE OF OIL & GAS

Note: Keep One Copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up Inspection(s)	Date
Application Received	_____	“ “	_____
Well Work Started	_____	“ “	_____
Total Depth Reached	_____	“ “	_____
Well Record Received	_____	“ “	_____
Reclamation Completed	_____	“ “	_____

OTHER INSPECTIONS

Reason: _____

Reason: _____

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JUN 23 2020
WV Department of
Environmental Protection

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM	2018	2019
4703301674	Equitrans, L.P.	1889	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1890	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1891	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1892	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1893	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1894	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1895	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1896	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1897	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1898	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	1899	0	0	0	0	0	0	0	0
4703301674	Equitrans, L.P.	2000	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2001	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2002	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2003	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2004	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2005	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2006	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2007	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2008	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2009	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2010	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2011	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2012	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2013	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2014	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2015	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2016	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2017	0	0	0	0	0	0	0	0
4703301674	Equitable Production Company	2018	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil - 2019 data for H6A wells only. Other wells are incomplete at this time.

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM	2018	2019
4703301674	PRODUCING_OPERATOR PRD_YEAR	2013	0	0	0	0	0	0	0	0
4703301674	PRODUCING_OPERATOR PRD_YEAR	2014	0	0	0	0	0	0	0	0
4703301674	PRODUCING_OPERATOR PRD_YEAR	2015	0	0	0	0	0	0	0	0
4703301674	PRODUCING_OPERATOR PRD_YEAR	2016	0	0	0	0	0	0	0	0
4703301674	PRODUCING_OPERATOR PRD_YEAR	2017	0	0	0	0	0	0	0	0
4703301674	PRODUCING_OPERATOR PRD_YEAR	2018	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons) * 2019 data for H6A wells only. Other wells are incomplete at this time.

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well