RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Approved
Date: 11/18/2020
Tracking No.: 242506

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator OASIS PETROLEUM PERMIAN LLC **Operator** 617484
Operator 1001 FANNIN STREET STE 1500 HOUSTON, TX 77002-0000

WELL INFORMATION

API 42-495-34306 **County:** WINKLER
Well No.: 4211H **RRC District** 08
Lease UL BIGHORN K 21-30-19 **Field** PHANTOM (WOLFCAMP)
RRC Lease 53665 **Field No.:** 71052900
Location Section: 30, Block: 21, Survey: UL, Abstract: U70

Latitude 31.696820 **Longitud** -103.250420
This well is 7 **miles in a** SW
direction from WINK,
which is the nearest town in the

FILING INFORMATION

Purpose of Initial Potential
Type of New Well
Well Type: Producing **Completion or Recompletion** 03/21/2020

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or	01/31/2019	849374
Rule 37 Exception		
Fluid Injection		
O&G Waste Disposal		
Other:		

COMPLETION INFORMATION

Spud 04/28/2019 **Date of first production after rig** 03/21/2020
Date plug back, deepening, drilling operation 04/28/2019 **Date plug back, deepening, recompletion, drilling operation** 08/20/2019
Number of producing wells on this lease this field (reservoir) including this 1 **Distance to nearest well in lease & reservoir** 0.0
Total number of acres in 1281.40 **Elevation** 2768 GR
Total depth TVD 11758 **Total depth MD** 21824
Plug back depth TVD **Plug back depth MD**
Was directional survey made other inclination (Form W- Yes **Rotation time within surface casing** 61.0
Is Cementing Affidavit (Form W-15) Yes
Recompletion or No **Multiple** No
Type(s) of electric or other log(s) Gamma Ray (MWD)
Electric Log Other Description:

Location of well, relative to nearest lease of lease on which this well is 1817.0 **Feet from the** East **Line and** 295.0 **Feet from the** South **Line of the** UL BIGHORN K 21-30-19 **Lease.** **Off Lease :** No

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

	Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
W2:	N/A			

PACKET: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination		**Depth**	550.0	**Date**	11/30/2018
SWR 13 Exception		**Depth**	5054.0		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of	04/08/2020	**Production**	Flowing
Number of hours	24	**Choke**	28
Was swab used during this	No	**Oil produced prior to**	10775.00

PRODUCTION DURING TEST PERIOD:

Oil	860.00	**Gas**	907
Gas - Oil	1054	**Flowing Tubing**	0.00
Water	4080		

CALCULATED 24-HOUR RATE

Oil	860.0	**Gas**	907
Oil Gravity - API - 60.:	40.0	**Casing**	2180.00
Water	4080		

CASING RECORD

Ro	Type of Casing	Casing Size (in.)	Hole Size	Setting Depth	Multi - Stage Tool	Multi - Stage Shoe	Cement Class	Cement Amoun	Slurry Volume (cu.	Top of Cement (ft.)	TOC Determined By
1	Surface	9 5/8	12 1/4	5072			C	2760	5156.3	SURFACE	Circulated to Surface
2	Intermediate	7 5/8	8 3/4	11721			C/H	660	1223.5	33	Calculation
3	Tapered Production	5 1/2	6 3/4	11024			NEOCEM/ VERSACEM	1565	2075.0	1716	Calculation
4	Tapered Production	5	6 3/4	21804			NEOCEM/ VERSACEM	1565	2075.0	1716	Calculation

LINER RECORD

Ro	Liner Size	Hole Size	Liner Top	Liner Bottom	Cement Class	Cement Amoun	Slurry Volume (cu.	Top of Cement (ft.)	TOC Determined

N/A

TUBING RECORD

Ro	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
			/

N/A

PRODUCING/INJECTION/DISPOSAL INTERVAL

Ro	Open hole?	From (ft.)	To (ft.)
1	No	L1 11789	21710.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment Yes

Is well equipped with a downhole sleeve? No

If yes, actuation pressure

Production casing test pressure (PSIG) hydraulic fracturing 11500

Actual maximum pressure (PSIG) during fracturin 11254

Has the hydraulic fracturing fluid disclosure been Yes

Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)	
1	Fracture	PLEASE SEE FRACFOCUS REPORT.	11789	21710

FORMATION RECORD

Formations	Encountere	Depth TVD	Depth MD	Is formation	Remarks
LAMAR	Yes	5021.0	5043.0	Yes	
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W	No			No	ABOVE DATA ACQUISITION
COLBY-QUEEN	No			No	NOT IN DELAWARE
YATES	No			No	NOT IN DELAWARE
QUEEN-SEVEN RIVERS	No			No	NOT IN DELAWARE
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT IN DELAWARE
HOLT	No			No	NOT IN DELAWARE
DELAWARE	No			No	NOT IN DELAWARE
GLORIETA	No			No	NOT IN DELAWARE
CLEARFORK	No			No	NOT IN DELAWARE
WICHITA ALBANY	No			No	NOT IN DELAWARE
BRUSHY CANYON	Yes	7407.0	7450.0	Yes	
AVALON	Yes	8550.0	8597.0	Yes	
CHERRY CANYON	Yes	5995.0	6025.0	Yes	
CANYON	Yes	5057.0	5079.0	Yes	
BONE SPRINGS	Yes	8724.0	8772.0	Yes	
BONE SPRING 1 SHALE	Yes	9656.0	9705.0	Yes	
BONE SPRINGS 2	Yes	10414.0	10463.0	Yes	
BONE SPRINGS 3 CARBONATE	Yes	10594.0	10644.0	Yes	
BONE SPRING 3 SHALE	Yes	11058.0	11136.0	Yes	
MONTOYA	No			No	BELOW TVD
WADDELL	No			No	BELOW TVD
WOLFCAMP	No			No	BELOW TVD
ATOKA	No			No	BELOW TVD
STRAWN	No			No	BELOW TVD
PENNSYLVANIAN	No			No	BELOW TVD
MISSISSIPPIAN	No			No	BELOW TVD
DEVONIAN	No			No	BELOW TVD
SILURIAN	No			No	BELOW TVD
FUSSELMAN	No			No	BELOW TVD

ELLENBURGER	No		No	BELOW TVD

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm No

Is the completion being downhole commingled No

REMARKS

KOP 11604

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2020-11-17 14:32:36.001] EDL=9900 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well;

take points: 11789-21710 feet

CASING RECORD :

TUBING RECORD:

SWR 13 EXCEPTION FOR TUBING.

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed	Daniel Busch	**Title:**	
Telephone	(713) 770-6473	**Date**	11/05/2020

RAILROAD COMMISSION OF TEXAS

OIL AND GAS

OPERATOR OASIS PETROLEUM PERMIAN LLC

Address1: 1001 FANNIN STREET STE 1500

Address2:

City: HOUSTON

State: TX

RE Lease: UL BIGHORN 21-30-19 K

Well No: 6211H

Sec: 30 **Block** 21

County: WINKLER

Survey Name: UL

SWR13EX Application 54335

Drilling Permit 849374

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST

An extension to omit the installation of tubing in the above-referenced well is approved for a period of up to 365 days from the date the application was received or the date the well began producing, whichever occurred last.

RRC APPROVAL BY: Jessica Kent DATE: 09/10/2020

JEFFERY MORGAN
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

OPERATOR Name: OASIS PETROLEUM PERMIAN LLC
Address1: 1001 FANNIN STREET STE 1500
Address2:
City: HOUSTON
State: TX

RE: Lease: UL BIGHORN 21-30-19 K
Well No: 6211H
Sec: 30 **Block:** 21
County: WINKLER
Survey Name: UL

SWR13EX Application Number: 54335
Drilling Permit No: 849374

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for the **LEASE NAME:** UL BIGHORN 21-30-19 K ; **WELL NUMBER:** 6211H has been approved by the Railroad Commission of Texas District Office.

a. A copy of this approved letter must be kept on location during all phases of drilling and/or plugging operations. Once approved, changes CANNOT be made to the Proposed Casing Program on the original application without additional approval from the Railroad Commission of Texas District Office.

b. Any substantive modifications to the cement program require prior approval from the Railroad Commission of Texas District Office, and may require re-submission of the SWR 13 (Statewide Rule 13) Alternate Surface Casing Application. Contact the Railroad Commission of Texas District Office for more information.

c. The tail slurry must be sufficient to fill the Zone of Critical Cement as described in Statewide Rule 13(b)(1)(H)(i). In addition, all cement slurries must be mixed on location as described in Application for Alternate Surface Casing Program.

d. The casing and cement program shall adhere to the following specifications:

Set 5054 feet of surface casing with a multistage tool set at a depth of not less than 650 feet. Circulate cement from the multistage tool to the ground surface. If cement does not circulate to surface during the first stage, the multistage tool MUST be opened and cement be circulated from the tool to the surface.

The proposed alternative drilling fluid program for the fresh water protected interval is hereby approved.

Please notify the Midland District Office immediately if any gas, H2S or otherwise, is encountered before surface casing is set. Operator must not drill into or set casing in the Delaware Mountain Group.

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST CONTACT THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE IMMEDIATELY AND FOLLOW THE PROCEDURES SET OUT IN RULE 13(b)(1)(H)(iii) OR AS REQUIRED BY THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE.

You must comply with all other provisions of SWR 13 (Statewide Rule 13) and a representative of the cementing company who performs the cementing job for the protection of usable quality water strata must sign the Form W-15 attesting to the information regarding cementing operations performed; including circulation of cement. (Note: If surface casing is set below the approved depth, this can result in denial of future Statewide Rule 13(b)(1)(H)(i) requests.) A condition of the approved drilling permit requires notification to the Railroad Commission of Texas District Office eight (8) hours prior to the time casing is to be set/cemented in the well. If your exception request was submitted after the subject well has been drilled and completed, the operator may be referred for enforcement action.

This authorization shall expire within five (5) years from the date the Groundwater Protection Determination was issued, or at the expiration of the drilling permit (if the well is not spudded prior to expiration) for the referenced well, whichever occurs first. Furthermore, this authorization supersedes any prior authorizations issued for the referenced well.

This exception is based on information provided when the application was submitted on 03/18/2019 .
If any information has changed, you must contact the appropriate Railroad Commission of Texas District Office, and submit a new application if applicable. If you have questions, please contact the appropriate Oil and Gas District office.

RRC APPROVAL BY: Kolby Durham DATE: 03/22/2019

JEFFREY MORGAN

DISTRICT DIRECTOR

APPLICATION FOR APPROVAL OF SURFACE CASING > 3500 FEET
Statewide Rule 13(b)(1)(A)
RAILROAD COMMISSION OF TEXAS

Operator's Name and Address: Oasis Petroleum Permian LLC
1001 Fannin, Suite 1500
Houston, TX 77002

P5 Number: 617484

Area for review: RRC District 8

Lease Name: UL Bighorn 21-30-19 K

Field Name: Phantom (Wolfcamp) County: Winkler

Survey: UL Abstract: A- U70

Drilling Permits: 849374

Note: Attach a map if the request is for more than one pad.

How will the operator maintain well control during drilling operations:
We will maintain well control by rigging up a diverter consisting of 20" 2K annular preventer and with a 6" diverter line.
The HCR will be rigged up on the 6" line so that any pressure can be properly diverter away from the wellbore with the annular closed.

How will the operator ensure cement is circulated to surface and that there is adequate bonding of cement:
We will perform a 2 stage cement job with the dv tool placed at the base of the GAU letter requirements.
Centralizers will be placed every 4th joint with one above and below the stage tool.
Cement lab test will be run to determine proper Water loss of the slurries to qualify as critical zone cement.
Posting drill out we will perform to formation integrity test to ensure a competent shoe.

How will the operator prevent the migration of formation fluids thru the annular space:
Proper cement slurries verified with lab test results prior to pumping will ensure quality cement will be
pumped to ensure no channeling can occur.

Signature: Daniel Busch Name: Daniel Busch Date: 2/11/2019 Phone: 713-770-6473

RRC Use Only►

RRC District Office Action:				
[x] Approved	[ ] Approved as Modified	[ ] Denied	By: Kolby Durham	Date: 03-22-2019
Remarks/Modifications:				

RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
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Form W-15
Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: OASIS PETROLEUM	**Operator P-5 No.:** 617484
Cementer Name: HALLIBURTON	**Cementer P-5 No.:** 347151

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 6211H	**API No.:** 495-34306	**Drilling Permit No.:** 849374
Lease Name: UL BIGHORN	**Lease No.:**	
Field Name: Phantom (Wolfcamp)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☑ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 12 1/4	**Depth of drilled hole (ft.):** 5072	**Est. % wash-out or hole enlargement:** 20%
Size of casing in O.D. (in.): 9 5/8	**Casing weight (lbs/ft) and grade:** 40# L-80	**No. of centralizers used:** 44
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	**Setting depth shoe (ft.):** 5072	**Top of liner (ft.):** / **Setting depth liner (ft.):**
Hrs. waiting on cement before drill-out: 11.5	**Calculated top of cement (ft.):** 0	**Cementing date:** 5-1-2019

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	2365	C		4498.23	3047
2	395	C		658.07	2025
3					
Total	2760			5156.3	2072

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth shoe (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

CIRCULATD 260 BBLS CMT TO SURFACE.

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

STEVEN GRISHAM	Halliburton			
Name and title of cementer's representative	Cementing Company	Signature		
6155 W. Murphy St.	Odessa, TX, 79763	432-571-8600		5-1-2019
Address	City, State, Zip Code	Tel: Area Code	Number	Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

DAVID LOGAN	Wellsite Supv.		
Typed or printed name of operator's representative	Title	Signature	
1001 Fannin Street Suite 1500	Houston, TX 77002	432-999-6778	2/19/2020
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing **and** Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

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CEMENTING REPORT

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: OASIS PETROLEUM	**Operator P-5 No.:** 617484
Cementer Name: HALLIBURTON	**Cementer P-5 No.:** 347151

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: 6211H	**API No.:** 495-34306	**Drilling Permit No.:** 849374
Lease Name: UL BIGHORN	**Lease No.:**	
Field Name: Phantom (Wolfcamp)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☑ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 8 3/4	**Depth of drilled hole (ft.):** 11750	**Est. % wash-out or hole enlargement:** 20%
Size of casing in O.D. (in.): 7 5/8	**Casing weight (lbs/ft) and grade:** 29.7# L-80	**No. of centralizers used:** 0
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☑ NO If no for surface casing, explain in Remarks.	**Setting depth shoe (ft.):** 11721	**Top of liner (ft.):** / **Setting depth liner (ft.):**
Hrs. waiting on cement before drill-out: 2075	**Calculated top of cement (ft.):** 33	**Cementing date:**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	275	C		762.3	7389
2	385	H		461.23	1699
3					
Total	660			1223.53	9088

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth shoe (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	**Depth of drilled hole (ft.):**	**Est. % wash-out or hole enlargement:**
Size of casing in O.D. (in.):	**Casing weight (lbs/ft) and grade:**	**No. of centralizers used:**
Tapered string drilled hole size (in.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**Tapered string no. of centralizers used** Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		**Setting depth tool (ft.):**
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):**	**Cementing date:**

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

STEVEN GRISHAM	Halliburton		
Name and title of cementer's representative	Cementing Company	Signature	
6155 W. Murphy St.	Odessa, TX, 79763	432-571-8600	5-10-2019
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

DAVID LOGAN	COMAN	David Logan	
Typed or printed name of operator's representative	Title	Signature	
8004 80HWY Midland TX		432-999-6778	3/6/20
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing **and** Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

CEMENTING REPORT

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: OASIS PETROLEUM PERMIAN LLC-EBUS	Operator P-5 No.: 617484
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 8	County: WINKLER	
Well No.: 6211H	API No.: 42-495-34306	Drilling Permit No.: 849374
Lease Name: ULBIGHORN 23-30-19 K	Lease No.:	
Field Name: PHANTOM (WOLFCAMP	Field No.:	

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.):	Top of liner (ft.): / Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☑ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.): 6 3/4	Depth of drilled hole (ft.): 21824	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 5 1/2 and 5	Casing weight (lbs/ft) and grade: See Remarks	No. of centralizers used: N/a
Tapered string drilled hole size (in.) Upper: 6 3/4 Lower: 6 3/4	Tapered string depth of drilled hole (ft.) Upper: 21804 Lower: 21804	
Tapered string size of casing in O.D. (in.) Upper: 5 1/2 Lower: 5	Tapered string casing weight(lbs/ft) and grade Upper: 23 Lower: 23.2	Tapered string no. of centralizers used Upper: N/A Lower: N/A
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☑ NO		Setting depth shoe (ft.): 21804
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): 7716	Cementing date: 8/19/2019

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	550	NEOCEM	SEE REMARKS	792	8545
2	1015	VERSACEM	SEE REMARKS	1283	11564
3					
Total	1565			2075	20109

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☐ NO		Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS	
Casing Weight & Grade	LEAD SLURRY HAS .25 LBM WELL-LIFE 1094
23# CYHP-110/23.2# HCP-110	TAIL SLURRY HAS .40% HALAD(R)-344, 3 LBM MICROBOND, .25 LBM D-AIR, .40% HR-601, .25 LBM WELL-LIFE

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

LEROY WELCH SERVICE SUPERVISOR I	Halliburton		
Name and title of cementer's representative	Cementing Company	Signature	
6155 W. Murphy St.	Odessa, TX, 79763	432-571-8600	8/19/2019
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Daniel Busch	Regulatory	Daniel Busch	
Typed or printed name of operator's representative	Title	Signature	
1001 Fannin, St 1500	Houston, TX 77002	432-999-6778 7137706473	2/19/2020 11/5/2020
Address	City, State, Zip Code	Tel: Area Code Number	Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

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To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

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F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

10/28/2020

Texas Railroad Commission
Well Compliance

Re: SWR 51 Waiver Request

To Whom It May Concern:

Oasis Petroleum respectfully requests a SWR 51 waiver for the following well: UL Bighorn K 21-30-19 4211H, lease 53665.

Thank you for your consideration.

Respectfully,

Daniel Busch

Daniel Busch
Sr. Regulatory Specialist
Oasis Petroleum
(713) 770-6473

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

Tracking No.: 230836

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:
- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:
- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:
- with the appropriate Commission district office

Filling out Form L-1:
- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:
- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: OASIS PETROLEUM PERMIAN LLC	District No. 08	Completion Date: 08/20/2019
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 849374	
Lease Name UL BIGHORN K 21-30-19	Lease/ID No. 53665	Well No. 4211H
County WINKLER	API No. **42-** 495-34306	

SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN

☒ B. BASIC ELECTRIC LOG RUN. (Select one)

☒ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.

☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).

☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

☐ 4. Log attached to (select one):

☐ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____

Check here if attached log is being submitted after being held confidential. ☐

☐ (b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐ (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). _____

Well No(s). _____

Katrina Boyd
Signature

Title

OASIS PETROLEUM PERMIAN LLC
Name (print)

(432) 999-6778
Phone

02/27/2020
Date

-FOR RAILROAD COMMISSION USE ONLY-

PERMIAN BASIN
206 S. MAIN ST.
FORT STOCKTON, TX 79735

ANADARKO BASIN
1501 LERA DR. SUITE 3
WEATHERFORD, OK 73096

MARCELLUS-UTICA
5430 CHEROKEE AVE NEW
NORTH CANTON, OH 44720

INFO@IMPACXS.COM

(888) 959-0350

COMPANY: OASIS PETROLEUM

WELL: UL BIGHORN 21-30-19 K 6211HST1

FIELD: NABORS X50 **COUNTY:** WINKLER **STATE:** TX

LOCATION: SEC 30, BLK 21

Interval Logged: 11760 **To:** 21875 **G.L.:** 2767 **K.B:** 2800

Date Logged: 8-4-19 **To:** 8-19-19 **Spud Date:** 04-28-19

Rig: NABORS X 50 **Unit No.:** 209

Loggers: GREG FROMMER, BRYAN RODRIGUEZ,STEVEN LEWIS

Api No.: 42-495-34306

Filename: ul_bighorn_21-30-19_k_6211_h-h-st1.mlw

Geologist: JOHN ODONNEL

Created By MainLog

Abbreviations

NB...New Bit	DST...Drill Stem Test
CO...Circ Out	DS...Directional Survey
NR...No Returns	CG...Connection gas
TG...Trip Gas	LAT...Logged After Trip
WOB...Wt on Bit	PP...Pump Pressure
RPM...Rev/Min	SPM...Strokes/Min
SG...Survey Gas	DTG...Down Time Gas

Mud Data

WT..Weight	V..Viscosity
PH..Acidity	F..Filtrate
CHL..Chlorides	SC..Solids Content
PV..Plastic Vis	YP..Yield Point

Lithology Symbols

Anhydrite, Salt, Granite
Siltstone, Chert, Sandstone
Dolomite, Conglomerate, Limestone
Coal, Shale, Bentonite
Carb Shale, Granite Wash, Quartz Wash
Red Sh, Org Sh, Green Sh
Chalk, VOLC, Cement
CL 1, CL 2, CL 3
CL 4, CL 6, CL 6

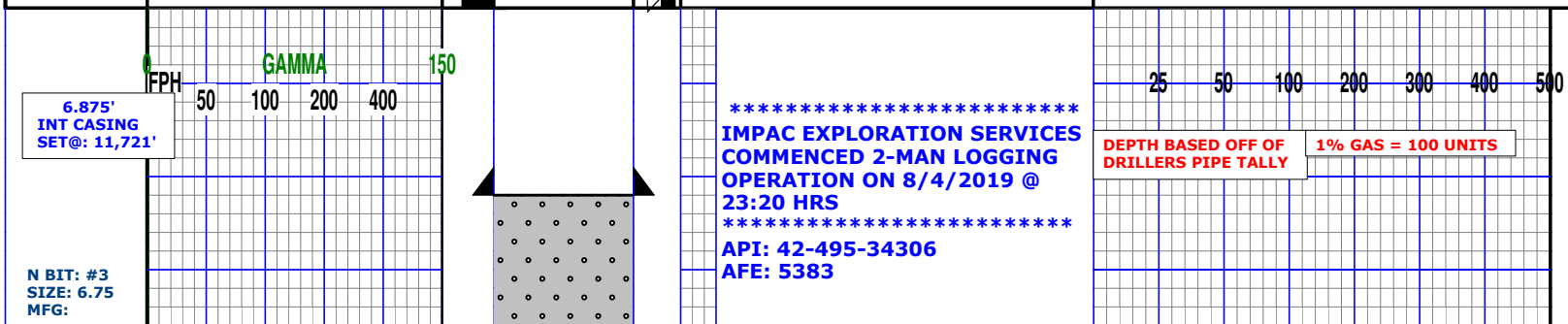
Accessories

Glauconite, Pyrite, Fossils, Oolites, Fractures

Accessories

Ammonoid, Bryzoans, Coal, Coral
Crinoid, Forams, Fossils, Fracture
Gastropod, Glauconite, Mollusk, Nautaloi
Oolites, Pyrite, Radiolaria, Trilobite
Worm Burrow

Drilling Info	0 GAMMA API 150 / Drilling Rate FT/HR	Vis Por Tr / p f g	Lithology	% Oil Flu Tr / p f g	Cut Tr / pfg	Descriptions/Remarks	GAS CURVES: TG, C1, C2, C3, IC4, NC4, IC5, NC5



****
IMPAC EXPLORATION SERVICES COMMENCED 2-MAN LOGGING OPERATION ON 8/4/2019 @ 23:20 HRS
****
API: 42-495-34306
AFE: 5383

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX 78711-2967
www.rrc.texas.gov

CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4

This facsimile P-4 was generated electronically from data submitted to the RRC.
A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 230836

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
PHANTOM (WOLFCAMP)	UL BIGHORN K 21-30-19			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no	6. County	7. RRC district
OASIS PETROLEUM PERMIAN LLC	617484	53665	WINKLER	08
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
1001 FANNIN STREET STE 1500 HOUSTON, TX 77002	4211H			
	10. Classification ☒ Oil ☐ Gas ☐ Other *(see instruction A)*		11. Effective Date	08/20/2019

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. Change of: ☐ operator ☐ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from _____
☐ lease name from _____

OR

b. New RRC Number for: ☒ oil lease ☐ gas well ☐ other well (specify) _____ **Due to:** ☐ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). *(See instruction G).*

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	TARGA DELAWARE LLC(836022)	0001	100.0	

14. Authorized OIL or CONDENSATE Gatherer(s). *(See instruction G).*

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
PANTHER DEVCO LLC(638496)	100.0

RRC USE ONLY: Reviewer's initials: RRC Staff Approval date: 06/02/2020

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator

Signature

Name (print)

☐ **Authorized Employee of previous operator**

☐ **Authorized agent of previous operator** *(see instruction G)*

Title

Date

Phone with area code

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

OASIS PETROLEUM PERMIAN LLC
Name (print)

Katrina Boyd
Signature

☒ **Authorized Employee of current operator**

☐ **Authorized agent of current operator** *(see instruction G)*

Title

KBOYD@OASISPETROLEUM.COM
E-mail Address (optional)

02/27/2020
Date

(432) 999-6778
Phone with area code

RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Form P-16

Rev. 09/2019

Acreage Designation

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION I. OPERATOR INFORMATION			
Operator Name:	Oasis Petroleum Permian LLC	**Operator P-5 No.:**	617484
Operator Address:	1001 Fannin Street, Suite 1500; Houston, TX 77002		

SECTION II. WELL INFORMATION				
District No.:	08	**API No.:**	495-34306	**Purpose of Filing:**
Well No.:	4211H	**Drilling Permit No.:**	849374	
Lease Name:	UL Bighorn K 21-30-19	**RRC ID or Lease No.:**		☐ Drilling Permit Application (Form W-1)
Total Lease Acres:	1281.400	**Field Name:**	PHANTOM (WOLFCAMP)	
Proration Acres:	128.140	**Field No.:**	71052900	☑ Completion Report (Form G-1/W-2)
Wellbore Profile	Allocation Well	**Is this a UFT field?**	Yes	
SL Record (Parent) Well Drilling Permit No.:		**County:**	Winkler	

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

RRC ID No. or Lease No.	Well No.	Profile	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)

A. Total Assigned Horiz. Acreage	=	**C. Total Assigned Acreage**	=
Total Remaining Horiz. Acreage	=	**Total Remaining Acreage**	=
B. Total Assigned Vert./Dir. Acreage	=		
Total Remaining Vert./Dir. Acreage	=		

SECTION IV. REMARKS - REQUIRED FOR PSA AND CO-DEVELOPMENT *(refer to instructions)*

NEW ALLOCATION WELL

Attach Additional Pages As Needed. ☐ **No additional pages** ☑ **Additional Pages:** 1 **(No. of additional pages)**

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Katrina Boyd
Signature

Katrina Boyd, Regulatory Specialist
Name and title (type or print)

Email
(include email address *only* if you affirmatively consent to its public release)

1001 Fannin Street, Suite 1500	Houston	TX	77002	432-999-6778	02/19/20
Address	**City,**	**State,**	**Zip Code**	**Tel: Area Code Number**	**Date: mo. day yr.**

RAILROAD COMMISSION OF TEXAS

Form P-16

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Page 2
Rev. 09/2019

Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drill site tract in the acreage assigned to the well.

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY

	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Allocated Lease Acres	Ending Lease Acres	Operator Name and Operator No. (if different from filing operator)
A	TRACT 1	UL LEASE 115753	640.700	64.070	576.630	
B	TRACT 2	UL LEASE 115755	640.700	64.070	576.630	
C						
D						
E						
F						
G						
H						
		Total Acreage =	**1281.400**	**128.140**	**1153.260**	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION VI. LISTING OF ALL WELLS IN THE APPLIED FOR REGULATORY FIELD AS LISTED IN SECTION II, AND ALLOCATING ACREAGE FROM ANY OR ALL TRACTS LISTED IN SECTION V BY FILER

RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From A TRACT 1	Acres From B TRACT 2	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
47974	UL Bighorn A 21-30-19	495-33696	5201H	Alloc.	N	**128.14**	64.070	64.070						
51497	UL Bighorn D 21-31-19	495-34008	5104H	Alloc.	N	**128.14**	64.070	64.070						
845732	UL Bighorn B 21-30-19	495-34258	5202H	Alloc.	N	**128.14**	64.070	64.070						
845733	UL Bighorn C 21-30-19	495-34257	4203H	Alloc.	N	**128.14**	64.070	64.070						
849372	UL Bighorn I 21-30 19	495-34304	4209H	Alloc.	N	**128.14**	64.070	64.070						
849373	UL Bighorn J 21-30-19	495-34305	5210H	Alloc.	N	**128.14**	64.070	64.070						
849374	UL Bighorn K 21-30-19	495-34306	4211H	Alloc.	N	**128.14**	64.070	64.070						
851525	UL Bighorn M 21-30-19	495-34344	5213H	Alloc.	N	**128.14**	64.070	64.070						
851526	UL Bighorn N 21-30-19	495-34345	4214H	Alloc.	N	**128.14**	64.070	64.070						
852072	UL Bighorn O 21-30-19	495-34348	5215H	Alloc.	N	**128.14**	64.070	64.070						
					A. Total Assigned Acreage =		**640.700**	**640.700**						
					B. Total Assigned Horiz. Acreage =		**640.700**	**640.700**						
					C. Total Assigned Vert./Dir. Acreage =		**0.000**	**0.000**						

***A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V.**
(refer to instructions)

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Groundwater Advisory Unit

Date Issued:	30 November 2018	**GAU Number:**	223562

Attention:	OASIS PETROLEUM PERMIAN 1001 FANNIN STREET STE HOUSTON, TX 77002	**API Number:**	49534257
		County:	WINKLER
		Lease Name:	UL BIGHORN C 21-30-19
		Lease Number:	
Operator No.:	617484	**Well Number:**	5103H
		Total Vertical Depth:	13500
		Latitude:	31.694750
		Longitude:	-103.257953
		Datum:	NAD27

Purpose: New Production Well

Location: Survey-UL; Abstract-U70; Block-21; Section-30

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 550 feet must be protected.

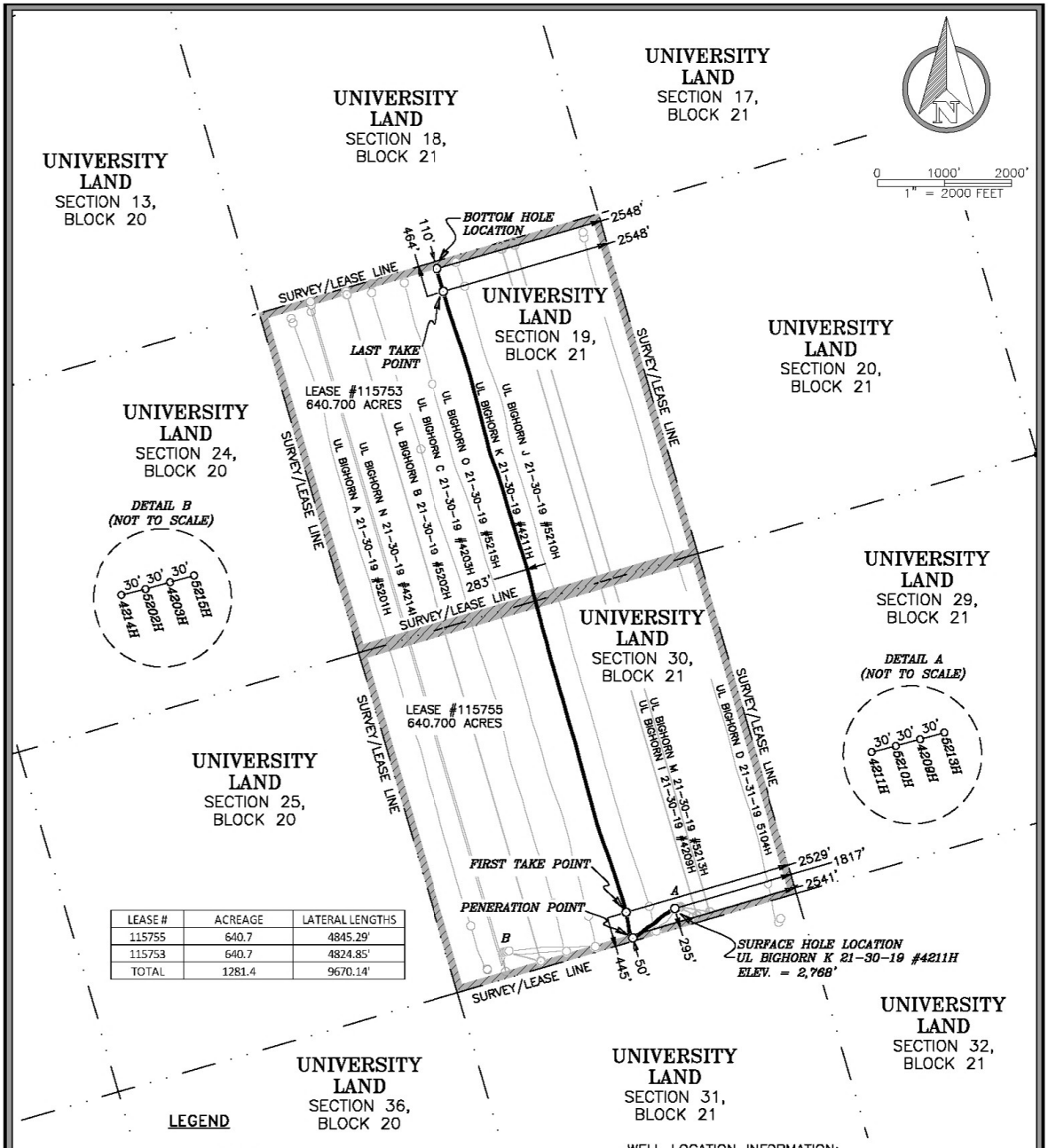
This recommendation is applicable for all wells drilled in this Section 30.

Please send Gamma/Porosity log of this well when it is available.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 11/28/2018. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division



LEASE #	ACREAGE	LATERAL LENGTHS
115755	640.7	4845.29'
115753	640.7	4824.85'
TOTAL	1281.4	9670.14'

LEGEND

SURVEY LINE

GENERAL NOTES

1. COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS
2. VERTICAL DATUM IS NAVD 88
3. LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN
4. AREA, DISTANCES, AND COORDINATES ARE "GRID".
5. UNITS ARE UNITED STATES SURVEY FOOT.
6. ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACREAGES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

STATE OF TEXAS
REGISTERED
JOHN E. KOWALIK
6408
PROFESSIONAL
LAND SURVEYOR

I HEREBY STATE THAT THIS PLAT SHOWS THE SUBJECT SURFACE LOCATION AS STAKED ON THE GROUND.

JOHN E. KOWALIK
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 6408

WELL LOCATION INFORMATION:

SURFACE HOLE LOCATION:	
NAD 83, TEXAS CENTRAL ZONE COORD'S Y = 10,592,779.03, X = 1,389,421.96 LAT: N 31.69682°, LONG: W 103.25042° SHL: 1817' FEL & 295' FSL SHL: 1817' FELL & 295' FSLL	LAST TAKE POINT: NAD 83, TEXAS CENTRAL ZONE COORD'S Y = 10,601,992.88, X = 1,385,969.67 LAT: N 31.72189°, LONG: W 103.26229° LTP: 2,548' FELL & 464' FNLL
NAD 27, TEXAS CENTRAL ZONE COORD'S Y = 750,203.02, X = 1,092,957.51 LAT: N 31.69669°, LONG: W 103.24997°	NAD 27, TEXAS CENTRAL ZONE COORD'S Y = 759,416.74, X = 1,089,505.34 LAT: N 31.72177°, LONG: W 103.26184°
PENETRATION POINT: NAD 83, TEXAS CENTRAL ZONE COORD'S Y = 10,592,340.61, X = 1,388,795.74 LAT: N 31.69557°, LONG: W 103.25239° PP: 2,541' FELL & 50' FSLL	BOTTOM HOLE LOCATION: NAD 83, TEXAS CENTRAL ZONE COORD'S Y = 10,602,332.79, X = 1,385,870.99 LAT: N 31.72282°, LONG: W 103.26264° BHL: 2,548' FEL & 110' FNL BHL: 2,548' FELL & 110' FNLL
NAD 27, TEXAS CENTRAL ZONE COORD'S Y = 749,764.60, X = 1,092,331.29 LAT: N 31.69544°, LONG: W 103.25194°	NAD 27, TEXAS CENTRAL ZONE COORD'S Y = 759,756.65, X = 1,089,406.67 LAT: N 31.72269°, LONG: W 103.26219°
FIRST TAKE POINT: NAD 83, TEXAS CENTRAL ZONE COORD'S Y = 10,592,720.84, X = 1,388,697.23 LAT: N 31.69661°, LONG: W 103.25274° FTP: 2,529' FELL & 445' FSLL	
NAD 27, TEXAS CENTRAL ZONE COORD'S Y = 750,144.83, X = 1,092,232.79 LAT: N 31.69648°, LONG: W 103.25229°	

PLAT OF:

AN AS-DRILLED WELL LOCATION FOR:

OASIS PETROLEUM PERMIAN LLC.

UL BIGHORN K 21-30-19 #4211H

SITUATED IN THE UNIVERSITY LAND, SECTION 30, BLOCK 21, AND SECTION 19, BLOCK 21, BEING APPROXIMATELY 7.0 MILES SOUTHWEST OF WINK IN WINKLER COUNTY, TEXAS.

DATE:	03-03-2020
DRAWN BY:	RS
CHECKED BY:	JK/GG
FIELD CREW:	CY
PROJECT NO:	2019010148
SCALE:	1" = 2000'
SHEET:	0
REVISION:	1

FSC INC
SURVEYORS+ENGINEERS
550 Bailey Ave., 205 – Fort Worth, TX 76107
Ph: 817.349.9800 – Fax: 979.732.5271
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www.fscinc.net