



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 03/26/2024
Tracking No.: 308322

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	VITAL ENERGY, INC.	Operator	100951
Operator	521 EAST 2ND ST STE 1000 TULSA, OK 74120-		

WELL INFORMATION			
API	42-475-38481	County:	WARD
Well No.:	6H	RRC District	08
Lease	UL TILDEN 16-31-32 WA6	Field	WOLFBONE (TREND AREA)
RRC Lease	60507	Field No.:	98359800
Location	Section: 32, Block: 16, Survey: UL, Abstract: U32		
Latitude	31	Longitud	-103
This well is 2.1 miles in a S direction from PYOTE, which is the nearest town in the			

FILING INFORMATION			
Purpose of	Well Record Only		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	12/08/2023
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or Rule 37 Exception	10/20/2022	884702	
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	06/23/2023	Date of first production after rig	12/08/2023
Date plug back, deepening, drilling operation	06/23/2023	Date plug back, deepening, recompletion, drilling operation	12/08/2023
Number of producing wells on this lease this field (reservoir) including this	3	Distance to nearest well in lease & reservoir	461.0
Total number of acres in	641.87	Elevation	2599 GR
Total depth TVD	10745	Total depth MD	20876
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	83.0 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	340.0 Feet from the	Off Lease :	No
	654.0 Feet from the	North Line and	
		East Line of the	
		UL TILDEN 16-31-32 WA6 Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
PACKET:	N/A		

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	2100.0	Date 10/19/2022
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of		Production
Number of hours	24	Choke
Was swab used during this	No	Oil produced prior to
PRODUCTION DURING TEST PERIOD:		
Oil		Gas
Gas - Oil	0	Flowing Tubing
Water		
CALCULATED 24-HOUR RATE		
Oil		Gas
Oil Gravity - API - 60.:		Casing
Water		

CASING RECORD											
<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage Tool</u>	<u>Multi - Stage Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	13 3/8	17 1/2	2197			ECONOCE M;EXTEND ACEM	1620	3053.0	0	Circulated to Surface
2	Intermediate	10 3/4	12 1/4	4711			C-POZ, C	593	1498.0	0	Circulated to Surface
3	Intermediate	7 5/8	8 3/4	10915			TXI; C	870	2040.0	0	Circulated to Surface
4	Conventional Production	5 1/2	6 3/4	20855			TXI	1374	1786.0	0	Circulated to Surface

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 10804	20835.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		No	
Is well equipped with a downhole sleeve?		No	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	9500	fracturin	12045
Has the hydraulic fracturing fluid disclosure been		No	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Fracture	SEE FRAC FOCUS	10804 20835

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
RUSTLER	Yes	1798.0	1798.0	Yes	ESTIMATED, NOT LOGGED
YATES	No			No	NOT ENCOUNTERED
SEVEN RIVERS	No			No	NOT ENCOUNTERED
QUEEN	No			No	NOT ENCOUNTERED
CAPITAN REEF - HIGH FLOWS	No			No	NOT ENCOUNTERED
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	NOT ENCOUNTERED
DELAWARE	No			No	NOT ENCOUNTERED
GLORIETA	No			No	NOT ENCOUNTERED
HOLT	No			No	NOT ENCOUNTERED
CLEARFORK	No			No	NOT ENCOUNTERED
TUBB	No			No	NOT ENCOUNTERED
CHERRY CANYON	Yes	5212.0	5226.0	Yes	
BONE SPRING	Yes	7507.0	7526.0	Yes	
1ST BONE SPRING	Yes	7883.0	7902.0	Yes	
2ND BONE SPRING	Yes	9326.0	9346.0	Yes	
3RD BONE SPRING	Yes	9870.0	9900.0	Yes	
WICHITA ALBANY	No			No	NOT ENCOUNTERED
WOLFCAMP	Yes	10675.0	10881.0	Yes	
PENNSYLVANIAN	No			No	BELOW TD
ATOKA	No			No	BELOW TD
DEVONIAN	No			No	BELOW TD
FUSSELMAN	No			No	BELOW TD
MONTOYA	No			No	BELOW TD
WADDELL	No			No	BELOW TD
ELLENBURGER	No			No	BELOW TD
PRECAMBRIAN (UNDIFFERENTIATED)	No			No	BELOW TD
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: 10,120. WELL HAS BEEN DRILLED AND COMPLETED. FILING TO GET LEASE ID. IP W-2 WILL BE SUBMITTED SOON. TUBING AND P-16 WILL BE INCLUDED ON FUTURE IP PACKET.

RRC REMARKS
<p>PUBLIC COMMENTS:</p> <p>[RRC Staff 2024-02-21 09:23:38.821] EDL=10040 feet, max acres=680, WOLFBONE (TREND AREA) Field; take points: 10804-20835</p>
<p>CASING RECORD :</p>
<p>TUBING RECORD:</p> <p>TBG/Frac data will be entered with next filing.</p>
<p>PRODUCING/INJECTION/DISPOSAL INTERVAL :</p>
<p>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</p>
<p>POTENTIAL TEST DATA:</p>

OPERATOR'S CERTIFICATION			
Printed	Dana Thompson	Title:	Sr. Regulatory Analyst
Telephone	(918) 858-5018	Date	02/06/2024



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: FORGE ENERGY OPERATING LLC-EBUS

Operator P-5 No.: 100951

Cementer Name: HALIBURTON

Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08

County: WARD

Well No.: 6H

API No.: 42-475-38481

Drilling Permit No.: 884702

Lease Name: UL TILDEN 16-31-32-WA6

Lease No.:

Field Name: Wolfbone (Trend Area)

Field No.: 98359800

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 17-1/2

Depth of drilled hole (ft.): 2,209'

Est. % wash-out or hole enlargement: 20

Size of casing in O.D. (in.): 13-3/8

Casing weight (lbs/ft) and grade: 68#J55

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.):
2,197'

Top of liner (ft.):

Setting depth liner (ft.):

Hrs. waiting on cement before drill-out: 12

Calculated top of cement (ft.): 0

Cementing date: 6-24-2023

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1215	ECONOCEM	TM	2320	1154
2	405	EXTENDACEM	TM	733	1059
3					
Total	1620			3053	2213

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

98bbbs/288sks 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.

SEITH LEE SUPERVISOR

Halliburton

Name and title of cementer's representative

Cementing Company

6155 W. Murphy St.

Odessa, TX, 79763

Signature

432-571-8600

JUNE 25, 2023

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.

Larry E. Rader

Sr. Regulatory Analyst

Larry E. Rader

Typed or printed name of operator's representative

Title

Signature

521 E. 2nd St., Ste 1000

Tulsa

OK

74120

(918)858-0679

8/7/23

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://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](https://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$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](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

Form W-

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

Operator Information

Operator Name: VITAL ENERGY, INC.	Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.
Operator P-5 No: 100951	Cementer P-5 No: 754900
Address: 521 EAST 2ND ST STE 1000 TULSA OK 74120	Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX 77478
Date: 07/10/2023	Date: 07/10/2023

Well Information

District No: 08	County: WARD
Well No: 6H	API No: 47538481 Drilling Permit No: 884702
Lease Name: UL TILDEN 16-31-32 WA6	Field Name: WOLFBONE (TREND AREA)
Lease No: N/A	Field No: 98359800

Casing Cementing Data

Type of casing: Intermediate	Cementing Date : 07/06/2023
Drilled hole size (in.): 12 1/4	
Size of casing in O.D.(in): 10 3/4	Depth of drilled hole (ft.): 4730
Hrs. waiting on cement before drill-out: 12	No. of centralizers used : 36
	Top of liner (ft.): N/A
Est. % wash-out or hole enlargement: 20	Setting depth liner (ft.) : N/A
Calculated top of cement (ft.): 0	Setting depth shoe (ft): 4711
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]	Casing weight (lbs/ft) and grade: 45.5#, J55/L80
Multiple parallel strings: No	DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 417 * Class: PozC * Additives: D020 D208 B697 D042 D130 D013 * Volume (cu. ft.) 1264 * Height (ft.) 4166
Slurry # 2 * No. of Sacks: 176 * Class: C * Additives: D800 * Volume (cu. ft.) 234 * Height (ft.) 500

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Intermediate Casing

Cementer Certification: 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.

Company Representative: Daniel Weller	Representative's Title: Cement Engineer
Phone Number: (318) 415-9462	

Operator Certification: 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.

Operator Representative: Larry E. Rader	Representative's Title: Regulatory Analyst
Phone Number: (918) 858-0679	



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Form W-

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P.O. Box 12967
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CEMENTING REPORT

Operator Information

Operator Name: VITAL ENERGY, INC.	Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.
Operator P-5 No: 100951	Cementer P-5 No: 754900
Address: 521 EAST 2ND ST STE 1000 TULSA OK 74120	Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX 77478
Date: 07/20/2023	Date: 07/20/2023

Well Information

District No: 08	County: WARD
Well No: 6H	API No: 47538481 Drilling Permit No: 884702
Lease Name: UL TILDEN 16-31-32 WA6	Field Name: WOLFBONE (TREND AREA)
Lease No: N/A	Field No: 98359800

Casing Cementing Data

Type of casing: Intermediate	Cementing Date : 07/13/2023
Drilled hole size (in.): 8 3/4	
Size of casing in O.D.(in): 7 5/8	Depth of drilled hole (ft.): 10930
Hrs. waiting on cement before drill-out: 12	No. of centralizers used : 0
	Top of liner (ft.): N/A
Est. % wash-out or hole enlargement: 20	Setting depth liner (ft.) : N/A
Calculated top of cement (ft.): 0	Setting depth shoe (ft): 10915
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]	Casing weight (lbs/ft) and grade: 29.70# HCL-80
Multiple parallel strings: No	DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 609 * Class: TXI * Additives: D020 D208 B697 D042 D013 * Volume (cu. ft.) 1693 * Height (ft.) 7557
Slurry # 2 * No. of Sacks: 261 * Class: C * Additives: D800 * Volume (cu. ft.) 347 * Height (ft.) 3326

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Intermediate 2 Casing

Cementer Certification: 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.

Company Representative: Daniel Weller	Representative's Title: Cement Engineer
Phone Number: (318) 415-9462	

Operator Certification: 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.

Operator Representative: Larry E. Rader	Representative's Title: Regulatory Analyst
Phone Number: (918) 858-0679	



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Form W-

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P.O. Box 12967
Austin, Texas 78701-2967
CEMENTING REPORT

Operator Information

Operator Name: VITAL ENERGY, INC.	Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.
Operator P-5 No: 100951	Cementer P-5 No: 754900
Address: 521 EAST 2ND ST STE 1000 TULSA OK 74120	Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX 77478
Date: 09/05/2023	Date: 09/05/2023

Well Information

District No: 08	County: WARD
Well No: 6H	API No: 47538481 Drilling Permit No: 884702
Lease Name: UL TILDEN 16-31-32 WA6	Field Name: WOLFBONE (TREND AREA)
Lease No: N/A	Field No: 98359800

Casing Cementing Data

Type of casing: Production	Cementing Date : 09/04/2023
Drilled hole size (in.): 6 3/4	
Size of casing in O.D.(in): 5 1/2	Depth of drilled hole (ft.): 20876
Hrs. waiting on cement before drill-out: 12	No. of centralizers used : 0
	Top of liner (ft.): N/A
Est. % wash-out or hole enlargement: 20	Setting depth liner (ft.) : N/A
Calculated top of cement (ft.): 0	Setting depth shoe (ft): 20855
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]	Casing weight (lbs/ft) and grade: P-110ICY
Multiple parallel strings: No	DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 1374 * Class: TXI * Additives: D065 D167A D800 D049 D154 * Volume (cu. ft.) 1786 * Height (ft.) 20858

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Production Casing

Cementer Certification: 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.

Company Representative: Francisco Formoso	Representative's Title: Field Specialist
Phone Number: (432) 232-3722	

Operator Certification: 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.

Operator Representative: Larry E. Rader	Representative's Title: Regulatory Analyst
Phone Number: (918) 858-0679	

Tracking No.: 308322

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: VITAL ENERGY, INC.	District No. 08	Completion Date: 12/08/2023
Field Name WOLFBONE (TREND AREA)	Drilling Permit No. 884702	
Lease Name UL TILDEN 16-31-32 WA6	Lease/ID No. 60507	Well No. 6H
County WARD	API No. 42- 475-38481	

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). _____

Dana Thompson

Signature

VITAL ENERGY, INC.

Name (print)

Sr. Regulatory Analyst

Title

(918) 858-5018

Phone

01/26/2024

Date

-FOR RAILROAD COMMISSION USE ONLY-



5" = 100'
MD FT

Company: Vital Energy Inc Well: UL TILDEN 16-31-32 WA6 #6H Field: Wolfbone (Trend area) API: 42475384810000 County: Ward State: Texas Country: USA Rig: H&P 462 AFE: Job: GT231494	Company: Vital Energy Inc Well: UL TILDEN 16-31-32 WA6 #6H Field: Wolfbone (Trend area) API: 42475384810000 County: Ward State: Texas Country: USA Rig: H&P 462	
	Well Location NAD 1927 TX C-4203 Latitude: 31.505877 Longitude: -103.103410 Y: 679651.14 X: 1136797.42	Section: 32 Twntship: Blk 16 Rnge: A-U32 UL
	Permanent Datum: Mean Sea Level Kelly Bushing Elev: N/A Log Measured From: Rotary Table Drill Floor Elev: 2625.2 Height of Reference: 26 Ground Level Elev: 2599.2	

Depth Drilled: 11139.0 to: 18984.0
 Depth Logged: 11139.0 to: 20876.03
 Date Logged: 22 Aug 2023 12:13 to: 02 Sep 2023 14:13

Disclaimer: Gordon Technologies LLC uses its best efforts to provide customers with accurate information and interpretations with services performed but does not warranty the accuracy of information or interpretations.

Hole Data			Casing Data		
Size	From (MD)	To (MD)	Size	From (MD)	To (MD)
13.375	0	2209	13.375	0	2200
10.75	2209	4730	10.75	0	4711
7.625	4730	10930	7.625	0	10930
6.75	10930				

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.: 308322

1. Field name exactly as shown on proration schedule WOLFBONE (TREND AREA)		2. Lease name as shown on proration schedule UL TILDEN 16-31-32 WA6					
3. Current operator name exactly as shown on P-5 Organization Report VITAL ENERGY, INC.		4. Operator P-5 no. 100951	5. Oil Lse/Gas ID no 60507	6. County WARD	7. RRC district 08		
8. Operator address including city, state, and zip code 521 EAST 2ND ST STE 1000 TULSA, OK 74120		9. Well no(s) (see instruction E) 6H			11. Effective Date 12/08/2023		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ Docket #: _____ <input type="checkbox"/> lease name from: _____ ----- b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation <input type="checkbox"/> unitization <input type="checkbox"/> field transfer <input type="checkbox"/> 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	ENERGY TRANSFER COMPANY(252017)			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	
PLAINS MARKETING, L.P.(667883)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>03/26/2024</u>							
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 _____ Name (print) _____ Title _____				Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G) _____ 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.							
VITAL ENERGY, INC. _____ Name (print) Sr. Regulatory Analyst _____ Title dana.thompson@vitalenergy.com _____ E-mail Address (optional)				Dana Thompson _____ Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) _____ 01/26/2024 _____ Date (918) 858-5018 _____ Phone with area code			

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 19 October 2022**GAU Number:** 357363**Attention:** FORGE ENERGY OPERATING,
15727 ANTHEM PKWY STE
SAN ANTONIO, TX 78249**Operator No.:** 276873**API Number:** 47538478
County: WARD
Lease Name: UL TILDEN 16-31-32 WA3
Lease Number:
Well Number: 3H
Total Vertical: 11000
Latitude: 31.503464
Longitude: -103.112211
Datum: NAD27**Purpose:** New Production Well**Location:** Survey-UL; Abstract-U32; Block-16; Section-32

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

Water-bearing strata from the land surface to a depth of 1300 feet and the Rustler, which is estimated to occur from 1650 to 2100 feet must be protected.

This recommendation is applicable for all wells drilled in this section 32.

Note: Unless stated otherwise, this recommendation is intended to apply to all wells drilled within 200 feet of the subject well. 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 10/19/2022. 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

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov.
Rev. 02/2014

