



RAILROAD COMMISSION OF TEXAS

Form W-

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

Operator Information

Operator Name: PIONEER NATURAL RES. USA, INC. Cementer Name: PERMIAN 5 ENERGY SERVICES,L.L.C.

Operator P-5 No: 665748 Cementer P-5 No: 855743
Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE Address: PO BOX 52672 MIDLAND TX 79710
IRVING TX 75038 Date: 11/18/2022
Date: 11/28/2022

Well Information

District No: 08 County: ANDREWS
Well No: 104H API No: 00348666 Drilling Permit No: 882701
Lease Name: UNIVERSITY 6-48D Field Name: SPRABERRY (TREND AREA)

Lease No: N/A Field No: 85280300

Casing Cementing Data

Type of casing: Surface Cementing Date : 11/14/2022
Drilled hole size (in.): 17 1/2
Size of casing in O.D.(in): 13 3/8 Depth of drilled hole (ft.): 2014
Hrs. waiting on cement before drill-out: 24 No. of centralizers used : 17
Est. % wash-out or hole enlargement: 20 Top of liner (ft.): N/A
Calculated top of cement (ft.): 0 Setting depth liner (ft.) : N/A
Was cement circulated to ground surface (or bottom of cellar) Setting depth shoe (ft): 1995
outside casing? [Yes] Casing weight (lbs/ft) and grade: 54.5 J55
Multiple parallel strings: No DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 1500 * Class: C * Additives: 4% GEL * Volume (cu. ft.) 2850 * Height (ft.) 3479
Slurry # 2 * No. of Sacks: 550 * Class: C * Additives: NEAT * Volume (cu. ft.) 732 * Height (ft.) 991

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

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: GEORGE HUIZAR Representative's Title: OPERATIONS
Phone Number: (432) 664-9221

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: Laura Wallace Representative's Title: REGULATORY ADVISOR
Phone Number: (972) 969-1742



RAILROAD COMMISSION OF TEXAS

Form W-

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

Operator Information

Operator Name: PIONEER NATURAL RES. USA, INC.	Cementer Name: HALLIBURTON ENERGY SERVICES, INC
Operator P-5 No: 665748	Cementer P-5 No: 347151
Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE IRVING TX 75038	Address: ATTN REAL ESTATE SERVICES 3000 N SAM HOUSTON PKWY E HOUSTON TX 77032
Date: 02/27/2023	Date: 12/21/2022

Well Information

District No: 08	County: ANDREWS
Well No: 104H	API No: 00348666 Drilling Permit No: 882701
Lease Name: UNIVERSITY 6-48D	Field Name: SPRABERRY (TREND AREA)
Lease No: N/A	Field No: 85280300

Casing Cementing Data

Type of casing: Intermediate	Cementing Date : 12/20/2022
Drilled hole size (in.): 12 1/4	
Size of casing in O.D.(in): 9 5/8	Depth of drilled hole (ft.): 6864
Hrs. waiting on cement before drill-out: 12	No. of centralizers used : 38
	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): 6850
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]	Casing weight (lbs/ft) and grade: 40 L80-IC
Multiple parallel strings: No	DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 1450 * Class: neocem * Additives: poly-flake kolseal * Volume (cu. ft.) 3683 * Height (ft.) 5797.4
Slurry # 2 * No. of Sacks: 215 * Class: halcem c * Additives: hr-800 * Volume (cu. ft.) 288.1 * Height (ft.) 932
Slurry # 3 * No. of Sacks: 65 * Class: halcem c * Additives: hr-800 halad r-344 * Volume (cu. ft.) 81.9 * Height (ft.) 125

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

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: Gerardo Hernandez Trevizo	Representative's Title: Service Supervisor II
Phone Number: (575) 308-1954	

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: Matt Gower	Representative's Title: Regulatory Specialist
Phone Number: (972) 969-4507	



RAILROAD COMMISSION OF TEXAS

Form W-

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

Operator Information

Operator Name: PIONEER NATURAL RES. USA, INC.	Cementer Name: HALLIBURTON ENERGY SERVICES, INC
Operator P-5 No: 665748	Cementer P-5 No: 347151
Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE IRVING TX 75038	Address: ATTN REAL ESTATE SERVICES 3000 N SAM HOUSTON PKWY E HOUSTON TX 77032
Date: 03/03/2023	Date: 03/02/2023

Well Information

District No: 08	County: MIDLAND	
Well No: 104H	API No: 00348666	Drilling Permit No: 882701
Lease Name: UNIVERSITY 6-48D	Field Name: SPRABERRY (TREND AREA)	
Lease No: N/A	Field No: 85280300	

Casing Cementing Data

Type of casing: Production	Cementing Date : 01/16/2023
Drilled hole size (in.): 8 1/2	
Size of casing in O.D.(in): 5 1/2	Depth of drilled hole (ft.): 19510
Hrs. waiting on cement before drill-out: 12	No. of centralizers used : 75
Est. % wash-out or hole enlargement: 20	Top of liner (ft.): N/A
Calculated top of cement (ft.): 4195	Setting depth liner (ft.) : N/A
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]	Setting depth shoe (ft): 19490
Multiple parallel strings: No	Casing weight (lbs/ft) and grade: P110-IC
DV tool not opened: No	

Slurry

Slurry # 1 * No. of Sacks: 325 * Class: C * Additives: NA * Volume (cu. ft.) 1049 * Height (ft.) 6177
Slurry # 2 * No. of Sacks: 1815 * Class: C * Additives: NA * Volume (cu. ft.) 3067 * Height (ft.) 13308

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- 20 bbl cement to surface

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: Ryan Wilcoxson	Representative's Title: Engineer
Phone Number: (254) 498-2692	

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: Matt Gower	Representative's Title: Regulatory Specialist
Phone Number: (972) 969-4507	