



Railroad Commission of Texas

Form W-2

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

Status: Approved
Date: 03/25/2021
Tracking No.: 247696

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

| Operator Information | | | |
|----------------------|---|----------|--------|
| Operator | DIAMONDBACK E&P LLC | Operator | 217012 |
| Operator | 500 W TEXAS AVE STE 1200 MIDLAND, TX 79701-4203 | | |

| Well Information | | | |
|--|---|--------------|------------------------|
| API | 42-003-38101 | County: | ANDREWS |
| Well No.: | 4501 | RRC District | 08 |
| Lease | M.A.K.(SPRABERRY)UNIT | Field | SPRABERRY (TREND AREA) |
| RRC Lease | 50198 | Field No.: | 85280300 |
| Location | Section: 45, Block: 6, Survey: UL, Abstract: U183 | | |
| Latitude | 32.451589 | Longitud | -102.211534 |
| This well is 16.89 miles in a NW direction from TARZAN, which is the nearest town in the | | | |

| Filing Information | | | |
|--|--------------------|----------------------------|------------|
| Purpose of | Well Record Only | | |
| Type of | Other/Recompletion | | |
| Well Type: | Shut-In Producer | Completion or Recompletion | 03/01/2021 |
| Type of Permit | Date | Permit No. | |
| Permit to Drill, Plug Back, or Rule 37 Exception | 05/29/2019 | 853361 | |
| Fluid Injection | 01/17/1997 | F-15000 | |
| O&G Waste Disposal | | | |
| Other: | | | |

| Completion Information | | | |
|---|----------------------|--|------------|
| Spud | 12/08/1996 | Date of first production after rig | 03/01/2021 |
| Date plug back, deepening, drilling operation | 02/26/2021 | Date plug back, deepening, recompletion, drilling operation | 03/01/2021 |
| Number of producing wells on this lease this field (reservoir) including this | 13 | Distance to nearest well in lease & reservoir | 2327.0 |
| Total number of acres in | 3200.00 | Elevation | 2942 GR |
| Total depth TVD | 8748 | Total depth MD | |
| Plug back depth TVD | 8711 | Plug back depth MD | |
| Was directional survey made other inclination (Form W- | No | Rotation time within surface casing Is Cementing Affidavit (Form W-15) | Yes |
| Recompletion or | Yes | 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 | 1742.0 Feet from the | Off Lease : | No |
| | 2116.0 Feet from the | West Line and | |
| | | South Line of the | |
| | | M.A.K.(SPRABERRY)UNIT | 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 | 1750.0 | Date 03/19/2021 |
| 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 | | | | | | | | | | | |
|---------------|-------------------------|------------|--------|---------|---------|-----------|--------|--------|-------------|--------------|-----------------------|
| Ro | Type of Casing | Casing | Hole | Setting | Multi - | Multi - | Cement | Cement | Slurry | Top of | TOC |
| | | Size (in.) | Size | Depth | Stage | Tool Shoe | Class | Amoun | Volume (cu. | Cement (ft.) | Determined By |
| 1 | Surface | 8 5/8 | 12 1/4 | 1987 | | | C | 900 | 1918.0 | 0 | Circulated to Surface |
| 2 | Conventional Production | 5 1/2 | 7 7/8 | 8724 | 6091 | | C | 2345 | 4554.0 | 0 | Circulated to Surface |

| | | | | | | | | | |
|--------------|-------------------|------------------|------------------|---------------------|---------------------|---------------------|----------------------------|----------------------------|-----------------------|
| LINER RECORD | | | | | | | | | |
| <u>Ro</u> | <u>Liner Size</u> | <u>Hole Size</u> | <u>Liner Top</u> | <u>Liner Bottom</u> | <u>Cement Class</u> | <u>Cement Amoun</u> | <u>Slurry Volume (cu.)</u> | <u>Top of Cement (ft.)</u> | <u>TOC Determined</u> |
| N/A | | | | | | | | | |

| | | | |
|---------------|-------------------|--------------------------------|-------------------|
| TUBING RECORD | | | |
| <u>Ro</u> | <u>Size (in.)</u> | <u>Depth</u> | <u>Size (ft.)</u> |
| 1 | 2 7/8 | 8601 | |
| | | <u>Packer Depth (ft.)/Type</u> | |
| | | / | |

| | | | |
|---------------------------------------|-------------------|-------------------|-----------------|
| PRODUCING/INJECTION/DISPOSAL INTERVAL | | | |
| <u>Ro</u> | <u>Open hole?</u> | <u>From (ft.)</u> | <u>To (ft.)</u> |
| | | L | |
| N/A | | | |

| | | | |
|---|--------------------------|---|-----------------------------|
| ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. | | | |
| Was hydraulic fracturing treatment | | No | |
| Is well equipped with a downhole sleeve? | | No | |
| | | If yes, actuation pressure | |
| Production casing test pressure (PSIG) during hydraulic fracturing | | Actual maximum pressure (PSIG) during fracturin | |
| 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 | Cast Iron Bridge Plug | 3 SXS TYPE II CEMENT | 8475 8495 |

FORMATION RECORD

| <u>Formations</u> | <u>Encountere</u> | <u>Depth TVD</u> | <u>Depth MD</u> | <u>Is formation</u> | <u>Remarks</u> |
|--|-------------------|------------------|-----------------|---------------------|----------------|
| N/A | | | | | |
| 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 | |
|---------|--|
| | |

| |
|-----------------------------|
| CIBP SET @ 8495' TO TA WELL |
|-----------------------------|

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :
CIBP SET @ 8495'

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

| | | | |
|------------------|-------------------|---------------|------------------------|
| Printed | Catherine Brabham | Title: | Sr. Regulatory Analyst |
| Telephone | (432) 247-6055 | Date | 03/22/2021 |



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: Diamondback Energy Operator P-5 No.: 217012
Cementer Name: Brannco Wireline Cementer P-5 No.: 088650

WELL INFORMATION

District No.: 08 County: Andrews
Well No.: 4501 API No.: 4200338101 Drilling Permit No.: 853361
Lease Name: M.A.K. (SPRABERRY) UNIT Lease No.: 50198
Field Name: SPRABERRY (TREND AREA) Field No.: 85280300

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 | | | | | |

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.): Tapered string depth of drilled hole (ft.)
Upper: Lower: Upper: Lower:

Tapered string size of casing in O.D. (in.): Tapered string casing weight (lbs/ft) and grade: Tapered string no. of centralizers used
Upper: Lower: 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 | | | | | |

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.): Tapered string depth of drilled hole (ft.)
Upper: Lower: Upper: Lower:

Tapered string size of casing in O.D. (in.): Tapered string casing weight (lbs/ft) and grade: Tapered string no. of centralizers used
Upper: Lower: 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 | | | | | |

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 | 02/26/2021 | | | | | | |
| Size of hole or pipe (in.) | 5 1/2" | | | | | | |
| Depth to bottom of tubing or drill pipe (ft.) | | | | | | | |
| Cement retainer setting depth (ft.) | | | | | | | |
| CIBP setting depth (ft.) | 8,495 | | | | | | |
| Amount of cement on top of CIBP (ft.) | 20' | | | | | | |
| Sacks of cement used | 3 | | | | | | |
| Slurry volume pumped (cu. ft.) | | | | | | | |
| Calculated top of plug (ft.) | 8,475 | | | | | | |
| Measured top of plug, if tagged (ft.) | | | | | | | |
| Slurry weight (lbs/gal) | | | | | | | |
| Class/type of cement | TYPE II | | | | | | |
| Perforate and squeeze (YES/NO) | 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.

Eric Luna

Brannco Wireline

Name and title of cementer's representative

Cementing Company

Signature

8801 West CR 130

Midland

Tx 79706

432-617-8374

02/26/2021

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.

CATHERINE BRABHAM

SR. REG. ANALYST

Catherine Brabham

Typed or printed name of operator's representative

Title

Signature

500 W. TEXAS AVE., STE. 1200

MIDLAND, TX 79701

432-818-1765

03/18/2021

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.

- 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.
- 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.texas.gov/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).
- 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.
- 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.
- 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.
- 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.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 19 March 2021**GAU Number:** 299914**Attention:** DIAMONDBACK E&P LLC
500 W TEXAS AVE STE 1200
MIDLAND, TX 79701**Operator No.:** 217012**API Number:** 00338101
County: ANDREWS
Lease Name: M.A.K. (SPRABERRY) UNIT
Lease Number: 50198
Well Number: 4501
Total Vertical: 8748
Latitude: 32.451589
Longitude: -102.211534
Datum: NAD27**Purpose:** Plug and Abandon (P&A)**Location:** Survey-UL; Abstract-U183; Block-6; Section-45

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

The base of usable-quality water that must be protected is estimated to occur at a depth of 1750 feet below the land surface. Moreover, the interval from the land surface to a depth of 300 feet and the fresh water contained in the zone from a depth of 1275 feet to 1750 feet must be isolated from water in overlying and underlying beds.

This recommendation is applicable for all wells drilled in this Section 45.

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 03/18/2021. 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.
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