



**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			
<b>Operator</b>	DIAMONDBACK E&P LLC	<b>Operator</b>	217012
<b>Operator</b>	500 W TEXAS AVE STE 1200 MIDLAND, TX 79701-4203		

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

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

COMPLETION INFORMATION			
<b>Spud</b>	12/08/1996	<b>Date of first production after rig</b>	03/01/2021
<b>Date plug back, deepening, drilling operation</b>	02/26/2021	<b>Date plug back, deepening, recompletion, drilling operation</b>	03/01/2021
<b>Number of producing wells on this lease this field (reservoir) including this</b>	13	<b>Distance to nearest well in lease &amp; reservoir</b>	2327.0
<b>Total number of acres in</b>	3200.00	<b>Elevation</b>	2942 GR
<b>Total depth TVD</b>	8748	<b>Total depth MD</b>	
<b>Plug back depth TVD</b>	8711	<b>Plug back depth MD</b>	
<b>Was directional survey made other inclination (Form W-</b>	No	<b>Rotation time within surface casing Is Cementing Affidavit (Form W-15)</b>	Yes
<b>Recompletion or</b>	Yes	<b>Multiple</b>	No
<b>Type(s) of electric or other log(s)</b>	Gamma Ray (MWD)		
<b>Electric Log Other Description:</b>			
<b>Location of well, relative to nearest lease of lease on which this well is</b>	1742.0 Feet from the	<b>Off Lease :</b>	No
	2116.0 Feet from the	<b>West Line and South Line of the</b>	
		<b>M.A.K.(SPRABERRY)UNIT Lease.</b>	

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

W2: N/A

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

<b>GAU Groundwater Protection Determination</b>	<b>Depth</b> 1750.0	<b>Date</b> 03/19/2021
<b>SWR 13 Exception</b>	<b>Depth</b>	

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

<b>Date of</b>		<b>Production</b>
<b>Number of hours</b> 24		<b>Choke</b>
<b>Was swab used during this</b> No		<b>Oil produced prior to</b>

**PRODUCTION DURING TEST PERIOD:**

<b>Oil</b>		<b>Gas</b>
<b>Gas - Oil</b> 0		<b>Flowing Tubing</b>
<b>Water</b>		

**CALCULATED 24-HOUR RATE**

<b>Oil</b>	<b>Gas</b>
<b>Oil Gravity - API - 60.:</b>	<b>Casing</b>
<b>Water</b>	

**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</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	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>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8		8601	/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
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**

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



# RAILROAD COMMISSION OF TEXAS

Form W-15

Rev. 08/2014

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

Cementer: Fill in shaded areas.

Operator: Fill in other items.

## CEMENTING REPORT

### 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: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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					



## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

<b>Date Issued:</b>	19 March 2021	<b>GAU Number:</b>	299914
<b>Attention:</b>	DIAMONDBACK E&P LLC 500 W TEXAS AVE STE 1200 MIDLAND, TX 79701	<b>API Number:</b>	00338101
<b>Operator No.:</b>	217012	<b>County:</b>	ANDREWS
		<b>Lease Name:</b>	M.A.K. (SPRABERRY) UNIT
		<b>Lease Number:</b>	50198
		<b>Well Number:</b>	4501
		<b>Total Vertical:</b>	8748
		<b>Latitude:</b>	32.451589
		<b>Longitude:</b>	-102.211534
		<b>Datum:</b>	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.  
 Rev. 02/2014