



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 11/06/2017
Tracking No.: 178722

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: BTA OIL PRODUCERS, LLC
Operator No.: 041867
Operator Address: 104 S PECOS MIDLAND, TX 79701-0000

WELL INFORMATION

API No.: 42-003-36921
Well No.: 1
Lease Name: 9015 JV-P BLOCK 9
RRC Lease No.: 35179
Location: Section: 38, Block: 9, Survey: UL, Abstract:
County: ANDREWS
RRC District No.: 08
Field Name: ANDREWS, SOUTH (WOLFCAMP)
Field No.: 02730852
Latitude:
Longitude:
This well is located 15 miles in a SOUTH direction from ANDREWS, which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Well Record Only
Type of completion: Plug Back
Well Type: Producing
Completion or Recompletion Date: 07/26/2010
Type of Permit
Date
Permit No.
Permit to Drill, Plug Back, or Deepen 06/10/2010 697322
Rule 37 Exception 0266200
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/10/1991
Date of first production after rig released: 07/26/2010
Date plug back, deepening, recompletion, or drilling operation commenced: 07/12/2010
Date plug back, deepening, recompletion, or drilling operation ended: 07/26/2010
Number of producing wells on this lease in this field (reservoir) including this well: 1
Distance to nearest well in lease & reservoir (ft.): 850.0
Total number of acres in lease: 161.00
Elevation (ft.): 3108 GL
Total depth TVD (ft.): 12600
Total depth MD (ft.): 12600
Plug back depth TVD (ft.): 11710
Plug back depth MD (ft.): 11710
Was directional survey made other than inclination (Form W-12)? Yes
Rotation time within surface casing (hours):
Is Cementing Affidavit (Form W-15) attached? No
Recompletion or reclass? No
Multiple completion? No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:
Location of well, relative to nearest lease boundaries
Off Lease : No
of lease on which this well is located: 467.0 Feet from the South Line and
700.0 Feet from the East Line of the
9015 JV-P BLOCK -9- Lease.

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

	Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
PACKET	BLOCK 9 (FUSSELMAN)	33528	1	

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination		Depth (ft.):	1600.0
SWR 13 Exception		Depth (ft.):	Date: 04/18/1991

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of test: 08/09/2017		Production method: Pumping	
Number of hours tested: 24		Choke size:	
Was swab used during this test? No		Oil produced prior to test: 7.00	
PRODUCTION DURING TEST PERIOD:			
Oil (BBLS): 11.00		Gas (MCF): 0	
Gas - Oil Ratio: 0		Flowing Tubing Pressure:	
Water (BBLS): 10			
CALCULATED 24-HOUR RATE			
Oil (BBLS): 11.0		Gas (MCF): 0	
Oil Gravity - API - 60.: 40.8		Casing Pressure:	
Water (BBLS): 10			

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	1768			C	1600	2645.0	0	Circulated to Surface
2	Intermediate	8 5/8	11	4815			C	2100	3960.0	0	Circulated to Surface
3	Conventional Production	5 1/2	7 7/8	12600	7986		C	2700	4044.0	4750	Temperature Survey

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	8719	8719 /

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L 8764	8980.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		No	
Is well equipped with a downhole actuation sleeve?		No	
		If yes, actuation pressure (PSIG):	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		Actual maximum pressure (PSIG) during hydraulic fracturing:	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		No	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)

1	Acid	3500 GAL 15% NEFE HCL ACID	8764	8980
2	Cast Iron Bridge Plug	4 SX CLASS C CEMENT	11710	11750

FORMATION RECORD

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
SAN ANDRES	Yes	4923.0	4923.0	Yes	
CLEARFORK	Yes	5949.0	5949.0	Yes	
WOLFCAMP	Yes	8418.0	8418.0	Yes	
CANYON	Yes	9192.0	9192.0	Yes	
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No

REMARKS

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :
CIBP SET @ 11,750' WITH 4 SACKS OF CEMENT. W-15 ATTACHED.

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Kayla McConnell	Title: Regulatory Analyst
Telephone No.: (432) 682-3753	Date Certified: 10/26/2017



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: BTA Oil Producers LLC Operator P-5 No.: 041867
Cementer Name: APOLLO PERFORATORS INC Cementer P-5 No.: NA

WELL INFORMATION

District No.: 08 County: Andrews
Well No.: 1 API No.: 003-36921 Drilling Permit No.: 697322
Lease Name: 9015 JV-P Block 9 Lease No.:
Field Name: Andrews South (Wolfcamp) Field No.: 02730852

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☐ Production
Drilled hole size (in.): 7 7/8" Depth of drilled hole (ft.): 12,600 Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 5 1/2" 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: 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: 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	7-14-10						
Size of hole or pipe (in.)	5 1/2"						
Depth to bottom of tubing or drill pipe (ft.)	11,750'						
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)	11,750'						
Amount of cement on top of CIBP (ft.)	20'						
Sacks of cement used	7						
Slurry volume pumped (cu. ft.)	NA						
Calculated top of plug (ft.)	11,710'						
Measured top of plug, if tagged (ft.)	11,710'						
Slurry weight (lbs/gal)	14.8						
Class/type of cement	C						
Perforate and squeeze (YES/NO)	yes						

REMARKS

TCK. 36483

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.

JERRY LEE, CR

APOLLO PERFORATORS INC

Name and title of cementer's representative

Cementing Company

Signature

P.O. BOX 12940

ODESSA,

TX

79768

432-563-0891

10-11-2017

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.

Typed or printed name of operator's representative

Title

Signature

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.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).
- 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.

Marked

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COMPANY: **BTA OIL PRODUCERS**

WELL: **9015 JV-P BLOCK 9 #1**

FIELD: **BLOCK 9 MULTIPAY**

COUNTY: **ANDREWS** STATE: **TEXAS**

Location: 467' FSL & 700' FEL
Well: 9015 JV-P BLOCK 9 #1
Company: BTA OIL PRODUCERS

Schlumberger		COMPENSATED NEUTRON LITHO-DENSITY GAMMA RAY	
467' FSL & 700' FEL BEK 9, UNIV. LAND SURV.		Elev.: K.B. 3124 F G.L. 3108 F D.F. 3123 F	
Permanent Datum: GROUND LEVEL		Elev.: 3108 F	
Log Measured From: KB		16.0 F above Perm. Datum	
Drilling Measured From: KB			
API Serial No.	SECTION 38	TOWNSHIP	RANGE

Log Date
Log Number
Driller
Driller Depth
Log Interval
Log Interval
Log Driller Size @ Depth
Log Schlumberger
Log
Fluid In Hole
Log Viscosity
Log PH
Log Of Sample
Log Measured Temperature
Log Measured Temperature
Log Measured Temperature
Log RMF RMC
Log BHT RMF @ BHT
Log um Recorded BHT
Log ation Stopped Time
Log r On Bottom Time
Log umber Location
Log ded By
Log sed By

7-4-91	1	BTA OIL PRODUCERS ENGINEERING DEPARTMENT MASTER LOG	
12600 F	12572 F	12570 F	150 F
8.625 IN	4805 F	7.875 IN	GEL / PAC
9 LB/G	6 C3	PIT	0.319 OHMM
0.289 OHMM	MEAS.	0.152 @ 163	0.137 @ 163
74 DEGF	74 DEGF		
0130	SEE LOG		
2003	HOBBS	KEVIN BLANKENBURG	CRAIG TAYLOR



