



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Submitted
Date: 05/05/2016
Tracking No.: 154580

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

OPERATOR INFORMATION

Operator Name: PIONEER NATURAL RES. USA, INC. Operator No.: 665748
Operator Address: ATTN CINDY WHIDDON P O BOX 3178 MIDLAND, TX 79702-0000

WELL INFORMATION

API No.: 42-003-46352 County: ANDREWS
Well No.: 22H RRC District No.: 08
Lease Name: UNIVERSITY "7-43" Field Name: SPRABERRY (TREND AREA)
RRC Lease No.: 40532 Field No.: 85280300
Location: Section: 35, Block: 7, Survey: UNIVERSITY LANDS, Abstract:

Latitude: Longitude:
This well is located 17.2 miles in a SE
direction from ANDREWS,
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: Other/Recompletion
Well Type: Producing Completion or Recompletion Date: 02/22/2016

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	06/28/2014	787468
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 12/12/2014	Date of first production after rig released: 02/22/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 12/12/2014	Date plug back, deepening, recompletion, or drilling operation ended: 01/16/2015
Number of producing wells on this lease in this field (reservoir) including this well: 16	Distance to nearest well in lease & reservoir (ft.): 307.0
Total number of acres in lease: 6615.70	Elevation (ft.): 2952 GL
Total depth TVD (ft.): 8985	Total depth MD (ft.): 19441
Plug back depth TVD (ft.):	Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 118.5
Recompletion or reclass? Yes	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: Acceptable cased hole logs	Multiple completion? No
Electric Log Other Description:	
Location of well, relative to nearest lease boundaries	Off Lease : No
of lease on which this well is located: 10928.0 Feet from the South Line and 4503.0 Feet from the West Line of the UNIVERSITY "7-43" Lease.	

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

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
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PACKET: N/A

W2:	N/A
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:	
GAU Groundwater Protection Determination	Depth (ft.): 1750.0 Date: 05/27/2014
SWR 13 Exception	Depth (ft.): 2300.0

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION	
Date of test: 04/10/2016	Production method: Gas Lift
Number of hours tested: 24	Choke size:
Was swab used during this test? No	Oil produced prior to test: 8781.30
PRODUCTION DURING TEST PERIOD:	
Oil (BBLs): 553.00	Gas (MCF): 614
Gas - Oil Ratio: 1110	Flowing Tubing Pressure:
Water (BBLs): 1223	
CALCULATED 24-HOUR RATE	
Oil (BBLs): 553.0	Gas (MCF): 614
Oil Gravity - API - 60.: 41.1	Casing Pressure:
Water (BBLs): 1223	

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	1859			CLASS C	1180	2147.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	8140	6564		TXI	1180	3402.0	3471	Calculation
3	Intermediate	9 5/8	12 1/4	8140		8140	TXI	360	923.0	6853	Calculation
4	Conventional Production	5 1/2	8 1/2	19430			TXI	1887	3360.0	4554	Cement Evaluation Log

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	Size (ft.)
1	2 7/8	8897	
			Packer Depth (ft.)/Type
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 9071	19243.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		If yes, actuation pressure (PSIG): 0.0	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 9512		Actual maximum pressure (PSIG) during hydraulic fracturing: 8507	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		Yes	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	SEE FRAC FOCUS	9071 19243

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
YATES	Yes	3143.0	3143.0	No	SEE REMARK
SEVEN RIVERS	Yes	3416.0	3416.0	No	SEE REMARK
QUEEN	Yes	4080.0	4080.0	Yes	
GRAYBURG	Yes	4552.0	4552.0	Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4732.0	4732.0	Yes	
HOLT	Yes	5000.0	5000.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS INDICATED ON THE APPROVED DRILLING PERMIT.
GLORIETA	Yes	5100.0	5100.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS INDICATED ON THE APPROVED DRILLING PERMIT.
TUBB	Yes	6100.0	6100.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS INDICATED ON THE APPROVED DRILLING PERMIT.
CLEARFORK	Yes	6805.0	6805.0	Yes	
PERMIAN DETRITAL	Yes	7800.0	7800.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS INDICATED ON THE APPROVED DRILLING PERMIT.
LEON	Yes	7900.0	7900.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS INDICATED ON THE APPROVED DRILLING PERMIT.
WICHITA ALBANY	Yes	6500.0	6500.0	Yes	FORMATION TOP NOT LOGGED BY OPERATOR AND IS ESTIMATED BASED ON THE FORMATION TOPS

INDICATED ON THE
APPROVED DRILLING
PERMIT.

SPRABERRY	Yes	8423.0	8423.0	Yes	
DEAN	No			No	FORMATION BELOW TVD
WOLFCAMP	No			No	FORMATION BELOW TVD
CANYON	No			No	FORMATION BELOW TVD
PENNSYLVANIAN	No			No	FORMATION BELOW TVD
MCKEE	No			No	FORMATION BELOW TVD
STRAWN	No			No	FORMATION BELOW TVD
FUSSELMAN	No			No	FORMATION BELOW TVD
DEVONIAN	No			No	FORMATION BELOW TVD
SILURIAN	No			No	FORMATION BELOW TVD
ELLENBURGER	No			No	FORMATION BELOW TVD

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

LEASE LINE DISTANCES & LEASE CAREAGE DIFFERS FROM PERMIT DUE TO LEASE CONSOLIDATION. PRESSURED UP TO 9790, HELD FOR 40 MINUTES, PRESSUED UP TO 9800, HELD FOR 40 MINUTES; TOE SLEEVE FAILED.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :**TUBING RECORD:**

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

WE ARE REQUESTING A SWR-13 EXCEPTION FOR THE YATES & SEVEN RIVERS AS THERE ARE NO PRODUCING WELLS IN THESE FORMATIONS WITHIN 1 MILE. SEE ATTACHED MAP.

POTENTIAL TEST DATA:

NEW WELL, LOG BEING MAILED TO RRC AUSTIN.
KOP ~ 8209'.

OPERATOR'S CERTIFICATION

Printed Name: CASI RENFRO

Title: Regulatory Specialist II

Telephone No.: (972) 444-9001

Date Certified: 05/05/2016