



RAILROAD COMMISSION OF TEXAS

Form G-1

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

Status: Submitted
Date: 12/21/2015
Tracking No.: 145566

GAS WELL BACK PRESSURE TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

| OPERATOR INFORMATION | |
|---|----------------------|
| Operator Name: TANOS EXPLORATION II, LLC | Operator No.: 835976 |
| Operator Address: STE 400 821 E SOUTHEAST LOOP 323 TYLER, TX 75701-0000 | |

| WELL INFORMATION | |
|--|--|
| API No.: 42-073-31537 | County: CHEROKEE |
| Well No.: 1H | RRC District No.: 06 |
| Lease Name: WILKINSON - MCELROY 'A' ALLOC | Field Name: OVERTON (COTTON VALLEY SAND) |
| RRC Gas ID No.: | Field No.: 67849150 |
| Location: Section: ,Block: , Survey: GEE, E, Abstract: 20 | |
| Latitude: | Longitude: |
| This well is located 2.1 miles in a E direction from TROUP, which is the nearest town in the county. | |

| FILING INFORMATION | | |
|---------------------------------------|---|------------|
| Purpose of filing: Initial Potential | | |
| Type of completion: New Well | | |
| Well Type: Producing | Completion or Recompletion Date: 10/15/2015 | |
| Type of Permit | Date | Permit No. |
| Permit to Drill, Plug Back, or Deepen | 06/26/2015 | 807715 |
| Rule 37 Exception | | 0297206 |
| Fluid Injection Permit | | |
| O&G Waste Disposal Permit | | |
| Other: | | |

| COMPLETION INFORMATION | | | |
|--|--|-------------|--|
| Spud date: 08/06/2015 | Date of first production after rig released: 10/15/2015 | | |
| Date plug back, deepening, recompletion, or drilling operation commenced: 08/06/2015 | Date plug back, deepening, recompletion, or drilling operation ended: 09/12/2015 | | |
| Number of producing wells on this lease in this field (reservoir) including this well: 4 | Distance to nearest well in lease & reservoir (ft.): 696.0 | | |
| Total number of acres in lease: 1144.57 | Elevation (ft.): 553 GL | | |
| Total depth TVD (ft.): 11814 | Total depth MD (ft.): 18600 | | |
| Plug back depth TVD (ft.): 11814 | Plug back depth MD (ft.): 18597 | | |
| Was directional survey made other than inclination (Form W-12)? Yes | Rotation time within surface casing (hours): 263.0 | | |
| Recompletion or reclass? No | Is Cementing Affidavit (Form W-15) attached? Yes | | |
| Type(s) of electric or other log(s) run: None | Multiple completion? No | | |
| Electric Log Other Description: | | | |
| Location of well, relative to nearest lease boundaries of lease on which this well is located: | Off Lease: No | | |
| | 7710.0 Feet from the South | Line and | |
| | 1308.0 Feet from the East | Line of the | |
| | WILKINSON - MCELROY 'A' ALLOC Lease. | | |

| FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO. | | | |
|---|-------------------------|----------|--------------------|
| Field & Reservoir | Gas ID or Oil Lease No. | Well No. | Prior Service Type |

G1: N/A
PACKET: N/A

| FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY: | | |
|--|---------------------|------------------|
| GAU Groundwater Protection Determination | Depth (ft.): 1475.0 | Date: 07/02/2015 |
| SWR 13 Exception | Depth (ft.): 4600.0 | |

| GAS MEASUREMENT DATA | | | | | | | | | | |
|--|-----------|---------------------------|------------------------------------|--------------------------|----------------------------|----------------|-------------|--------------|----------------|------------------|
| Date of test: 10/29/2015 | | | | | Gas measurement method(s): | | | | | |
| Gas production during test (MCF): 31776 | | | | | Orifice Meter, Flange Taps | | | | | |
| Was the well preflowed for 48 hours? Yes | | | | | | | | | | |
| Run No. | Line size | Orif. or Choke Size (in.) | 24 hr. Coeff. Orif. Or Choke (in.) | Static Pm or Choke (in.) | Diff (hw) | Flow Temp (°F) | Temp. (Ftf) | Gravity (Fg) | Compress (Fpv) | Volume (MCF/day) |
| 1 | 3068.0 | 1.875 | 24212.59 | 758.0 | 287.0 | 83.0 | 0.9786 | 0.9520 | 0.997 | 10592.0 |

| FIELD DATA AND PRESSURE CALCULATIONS | | | | | |
|--|--------------------|------------------|---|--|--------------------------|
| Gravity (dry gas): 0.661 | | | Gravity (liquid hydrocarbons) (Deg. API): 58.9 | | |
| Gas-Liquid Hydro Ratio (CF/Bbl): 19188 | | | Gravity (mixture): Gmix= 0.682 | | |
| Avg. shut in temp. (°F): 90.0 | | | Bottom hole temp. and depth: 292.0 °F@ 11814.0 FT | | |
| Run No. | Time of Run (Min.) | Choke Size (in.) | Wellhead Pressure (PSIA) | | Wellhead Flow Temp (°F) |
| SHUT-IN | 1440 | 0 | 2050 | | 90.0 |
| 1 | 4320 | 30 | 2125 | | 198.0 |

| CASING RECORD | | | | | | | | | | | |
|---------------|-------------------------|--------|--------|---------|-------------|-------------|--------|---------|-----------|----------|-----------------------|
| Row | Type of Casing | Casing | Hole | Setting | Multi - | Multi - | Cement | Cement | Slurry | Top of | TOC |
| | | Size | Size | Depth | Stage | Stage | | Amount | Volume | Cement | Determined |
| | | (in.) | (in.) | (ft.) | Depth (ft.) | Depth (ft.) | Class | (sacks) | (cu. ft.) | (ft.) | By |
| 2 | Conventional Production | 5 1/2 | 8 3/4 | 18600 | | | H | 2905 | 4633.0 | 518 | Calculation |
| 1 | Surface | 9 5/8 | 12 1/4 | 4505 | | | H | 1670 | 3130.0 | SURF ACE | Circulated to Surface |

| 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.) |
| Packer Depth (ft.)/Type / | | | |
| N/A | | | |

| PRODUCING/INJECTION/DISPOSAL INTERVAL | | | |
|---------------------------------------|------------|------------|----------|
| Row | Open hole? | From (ft.) | To (ft.) |
| 1 | No | L1 12113 | 18543 |

| ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. | | | |
|---|--|--------|--|
| Was hydraulic fracturing treatment performed? | | Yes | |
| Is well equipped with a downhole actuation sleeve? | | No | |
| If yes, actuation pressure (PSIG): | | 9000.0 | |
| Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: | | 7500 | |
| Actual maximum pressure (PSIG) during hydraulic fracturing: | | 9410 | |
| 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 | FRAC W/303994 GALS F/W, 50,500# 40/70 PRC, 172500# 0/70 WHITE SD, 265,994 GALS SLICKWATER, 38,000 GALS 10# XL GEL, 1500 GALS 15% HCL | 12113.0 | 18543.0 |

| FORMATION RECORD | | | | | |
|----------------------|-------------|-----------------|----------------|------------------------|---------|
| Formations | Encountered | Depth TVD (ft.) | Depth MD (ft.) | Is formation isolated? | Remarks |
| NACATOCH | Yes | 3320.0 | 3320.0 | Yes | |
| SUB-CLARKSVILLE | Yes | 4410.0 | 4410.0 | Yes | |
| WOODBINE | Yes | 3740.0 | 3740.0 | Yes | |
| PALUXY | Yes | 4510.0 | 4510.0 | Yes | |
| GLEN ROSE | Yes | 8810.0 | 8810.0 | Yes | |
| RODESSA | Yes | 7512.0 | 7512.0 | Yes | |
| PETTET | Yes | 7820.0 | 7820.0 | Yes | |
| TRAVIS PEAK | Yes | 8392.0 | 8392.0 | Yes | |
| JAMES LIME | Yes | 7942.0 | 7942.0 | Yes | |
| T/CV TAYLOR L-3 SAND | Yes | 11805.0 | 11805.0 | 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: [RRC Staff 2015-12-22 11:32:45.474] EDL=6431 feet, max acres=1024 | |
| CASING RECORD : | |
| TUBING RECORD: | |
| PRODUCING/INJECTION/DISPOSAL INTERVAL : | |
| ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. : | |
| GAS MEASUREMENT DATE REMARK: | |

| OPERATOR'S CERTIFICATION | |
|--------------------------------------|--|
| Printed Name: Mindy Griffin | Title: Environmental & Regulatory Manager |
| Telephone No.: (903) 597-7667 | Date Certified: 12/21/2015 |