



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
[http://emnrd.state.nm.us/ocd/District III/3distric.htm](http://emnrd.state.nm.us/ocd/District%20III/3distric.htm)

**BRADENHEAD TEST REPORT**

(submit 1 copy to above address)

Date of Test 5/5/10 Operator Williams Production API #30-0 3930131

Property Name Rosa Unit Well No. 018C Location: Unit H Section 22 Township 31N Range 06W

Well Status(Shut-In or Producing) Initial PSI: Tubing 204 Intermediate 1 Casing 494 Bradenhead 55

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

| Testing | PRESSURE   |     |     |        |     |
|---------|------------|-----|-----|--------|-----|
|         | Bradenhead |     |     | INTERM |     |
|         | BH         | Int | Csg | Int    | Csg |
| TIME    |            |     |     |        |     |
| 5 min   | 0          |     | 494 | 0      | 494 |
| 10 min  | 0          |     | 494 | 0      | 494 |
| 15 min  | 0          |     | 494 | 0      | 494 |
| 20 min  | 0          |     | 494 |        |     |
| 25 min  |            |     |     |        |     |
| 30 min  |            |     |     |        |     |

|                 | FLOW CHARACTERISTICS |              |
|-----------------|----------------------|--------------|
|                 | BRADENHEAD           | INTERMEDIATE |
| Steady Flow     |                      |              |
| Surges          |                      |              |
| Down to Nothing | X                    | X            |
| Nothing         |                      |              |
| Gas             | X                    | X            |
| Gas & Water     | X                    |              |
| Water           |                      |              |

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR X FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 8 INTERMEDIATE 0

REMARKS:

BH- Blew Down to 2 minutes H<sub>2</sub>O when first opened Int. Blew to Nothing in 1 min.

Left Int. open Closed BH.

By DBAYS

Witness \_\_\_\_\_

Tech II

(Position)

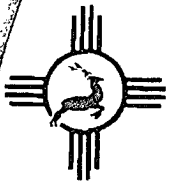
E-mail address Darrell\_Baif@williams.com



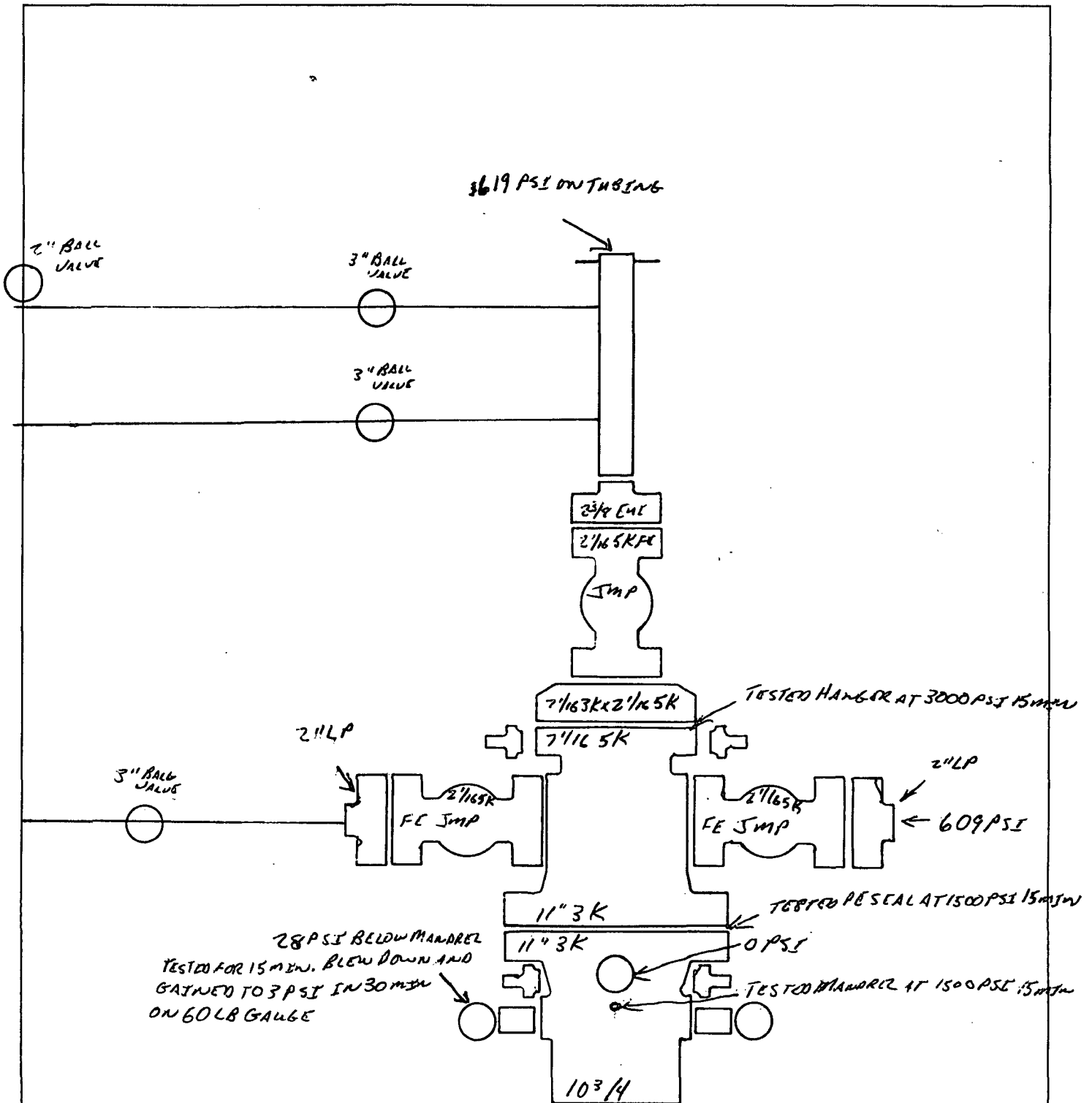
Type Sales & Service, Inc.  
 US Hwy. 64  
 Alington, New Mexico 87401  
 Phone: (505) 327-0918

# WELLHEAD EQUIPMENT IDENTIFICATION

DATE: 05 / 21 / 10



|             |               |
|-------------|---------------|
| CUSTOMER    | WPI           |
| LOCATION    | ROSA UNIT 18C |
| FSO         | 10092         |
| PREPARED BY | JOSE SANCHEZ  |



**ROSA UNIT #18C**  
**BLANCO MV / BASIN MC / BASIN DK**

Spud: 06/07/09

Completed: 08/24/09

1<sup>st</sup> Delivery: 08/31/09

Surface Location:

1490' FNL and 990' FEL  
 SE/4 NE/4 Sec 22 (H), T31N, R06W  
 Rio Arriba, NM

Bottom Hole Location:

2311' FNL and 1887' FEL  
 SW/4 NE/4 Sec 22 (G), T31N, R06W  
 Rio Arriba, NM

Elevation: 6258' GR

API # 30-039-30131

| Top             | MD<br>Depth | TVD<br>Depth |
|-----------------|-------------|--------------|
| Pictured Cliffs | 3350'       | 3091'        |
| Lewis           | 3667'       | 3404'        |
| Cliffhouse Ss.  | 5528'       | 5265'        |
| Menefee         | 5577'       | 5314'        |
| Point Lookout   | 5840'       | 5577'        |
| Mancos          | 6322'       | 6059'        |
| Dakota          | 8049'       | 7786'        |

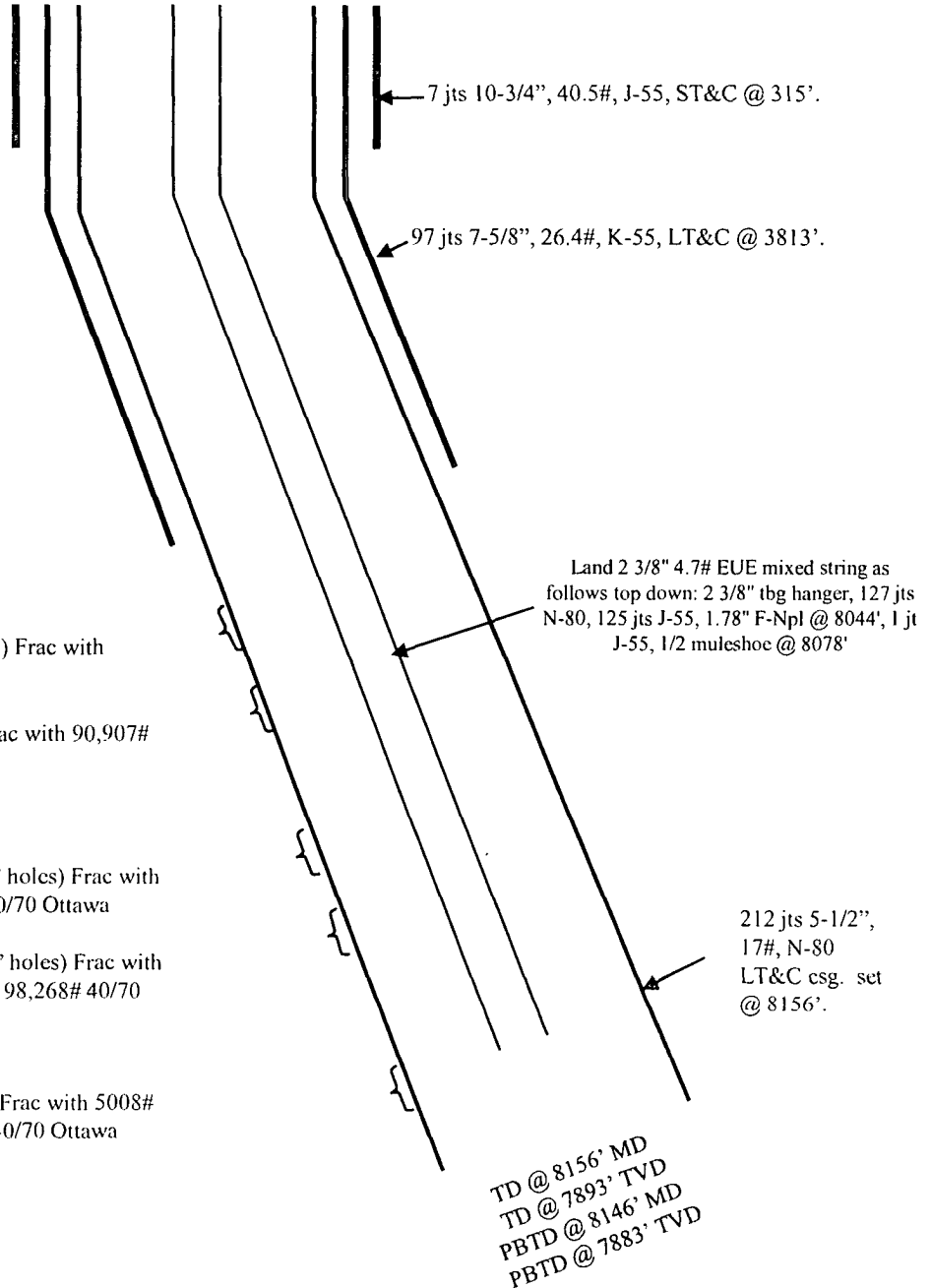
CH/Men: 5297'-5740' (59, 0.34" holes) Frac with  
 73,838# 20/40 mesh BASF

PLO: 5815'-6123' (63, 0.34" holes) Frac with 90,907#  
 20/40 mesh BASF

Upper Mancos: 6942'-7209' (75, 0.34" holes) Frac with  
 5006# 100 mesh followed w/98,125# 40/70 Ottawa

Lower Mancos: 7271'-7428' (54, 0.34" holes) Frac with  
 5003# 100 mesh Ottawa followed with 98,268# 40/70  
 Ottawa

Dakota: 8049'-8122' (57, 0.34" holes) Frac with 5008#  
 100 mesh Ottawa followed w/77,064# 40/70 Ottawa



| Hole Size | Casing         | Cement  | Volume      | Top of Cmt |
|-----------|----------------|---------|-------------|------------|
| 14-3/4"   | 10-3/4", 40.5# | 300 sxs | 538 cu.ft.  | Surface    |
| 9-7/8"    | 7-5/8", 26.4#  | 655 sxs | 1629 cu.ft. | Surface    |
| 6-3/4"    | 5-1/2", 17#    | 380 sxs | 531 cu.ft.  | 3380' CBL  |