



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://emrdr.state.nm.us/ocd/District III/3distric.htm](http://emrdr.state.nm.us/ocd/District%20III/3distric.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 5-7-2010 Operator Williams Production API #30-0 3929882

Property Name Rosa Unit Well No. 360 Location: Unit D Section 16 Township 31N Range 05W

Well Status(Shut-In or Producing) Initial PSI: Tubing 105 Intermediate NA Casing 105 Bradenhead 68

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	Bradenhead		Csg	Int	Csg
	BH	Int			
TIME					
5 min	0	NA	105		
10 min	0	NA	105		
15 min	0	NA	106		
20 min	0	NA	106		
25 min	0	NA	106		
30 min	0	NA	106		

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	NA
Surges	
Down to Nothing	in 20 sec
Nothing	
Gas	
Gas & Water	
Water	

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

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____ Gray ☒

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 39 INTERMEDIATE NA

REMARKS:

Bradenhead flowed Gas & Water Dray in latter down to gas in 20 sec

By Michael Gurule

Witness _____

Senior Tech
(Position)

E-mail address Mike.Gurule@williams.com

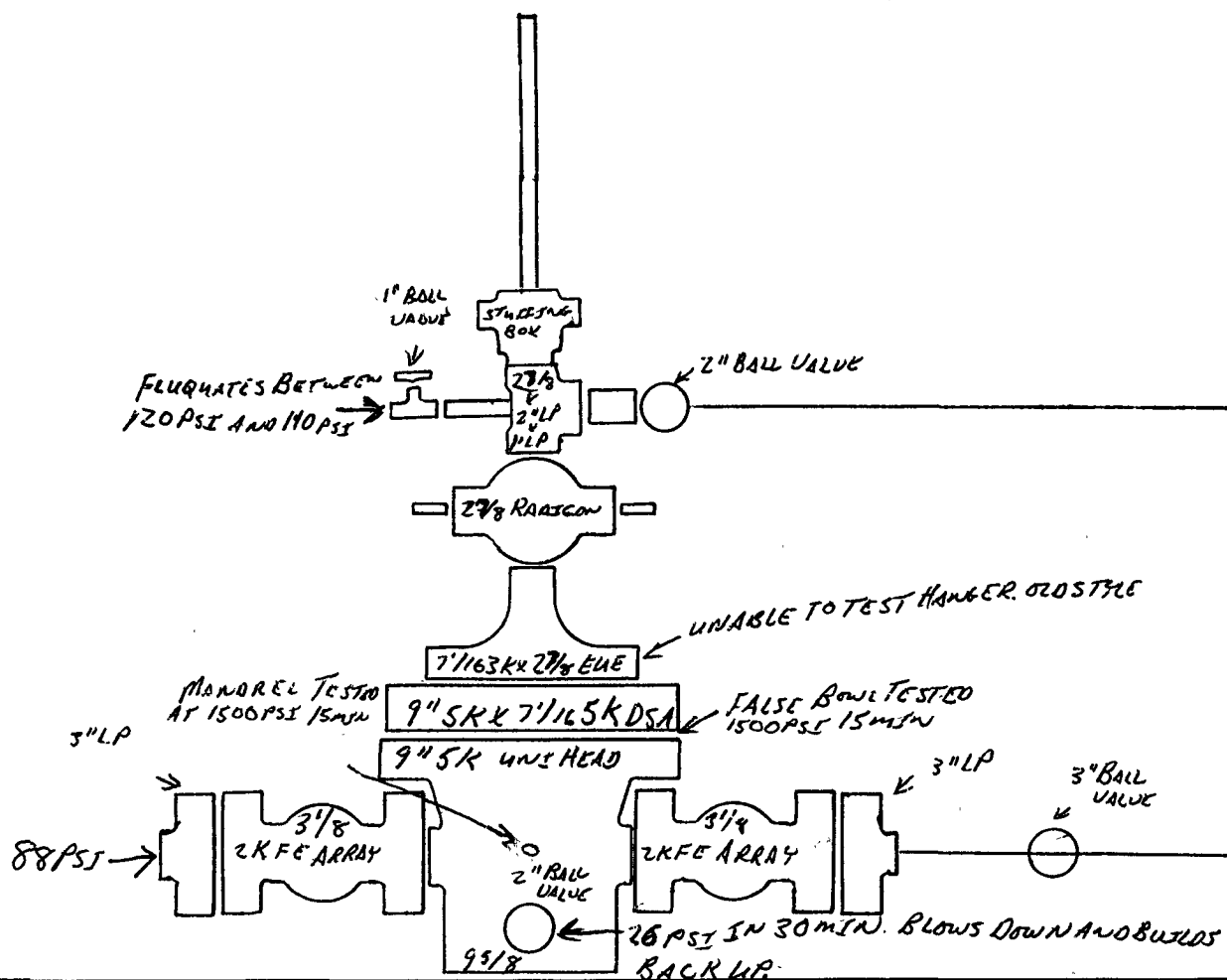
Antelope Sales & Service, Inc.
 5637 US Hwy. 64
 Farmington, New Mexico 87401
 Office: (505) 327-0918

WELLHEAD EQUIPMENT IDENTIFICATION

DATE: 05/19/10



CUSTOMER	WPK
LOCATION	ROSA UNIT 360
FSO	10090
PREPARED BY	JOSE SANCHEZ



ROSA UNIT #360
BASIN FRUITLAND COAL

Surface Location:

310' FNL and 150' FWL
NW/4 NW/4 Sec 16(D), T31N, R05W
Rio Arriba, NM

Bottom Hole Location:

666' FSL and 654' FWL
SW/4 SW/4 Sec 09(M), T31N, R05W
Rio Arriba, NM

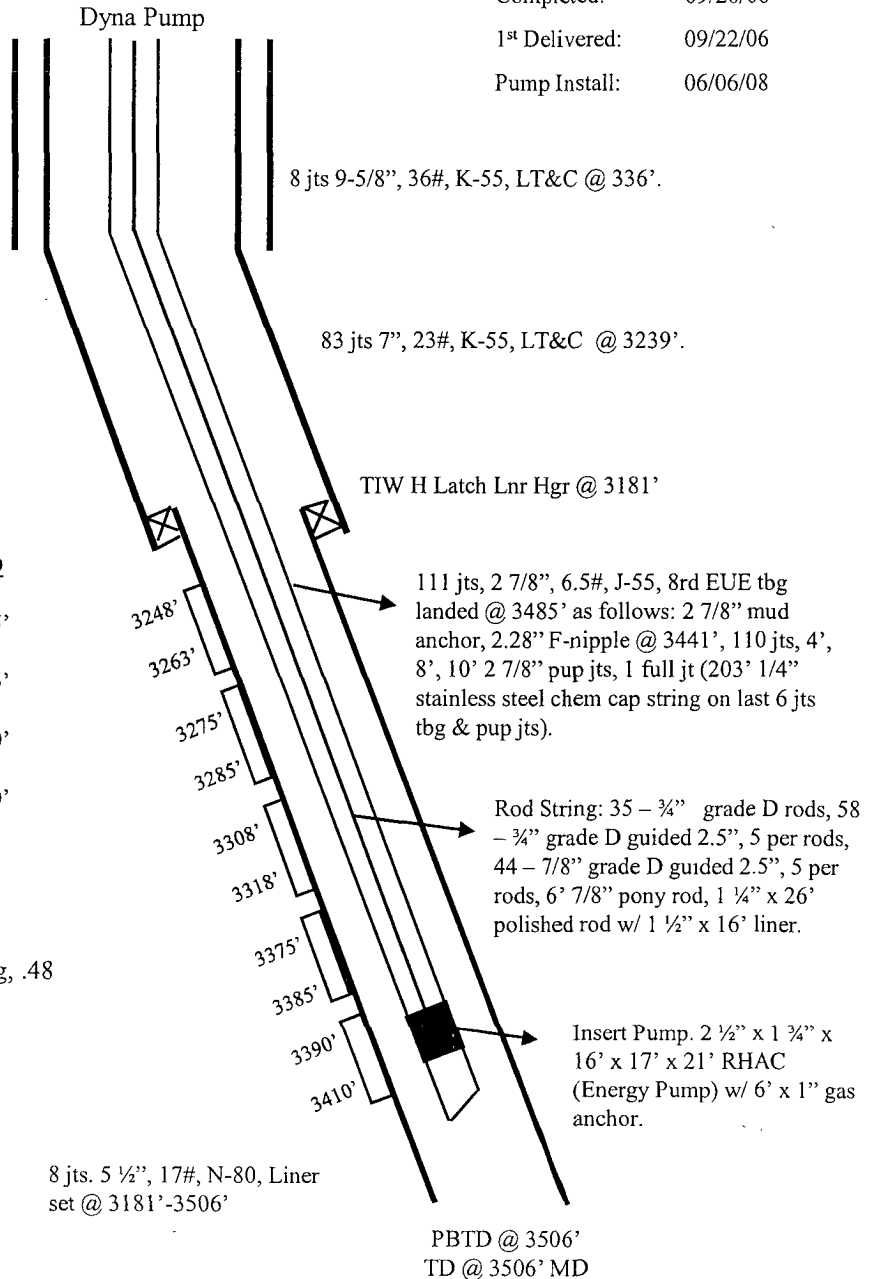
Elevation: 6271' GR
API # 30-039-29882

Spud. 07/13/06
Completed: 09/20/06
1st Delivered: 09/22/06
Pump Install: 06/06/08

Top	MD	TVD
Ojo Alamo	2697'	2405'
Kirtland	2811'	2515'
Fruitland	3189'	2890'
Base of Coal	3419'	3120'

Perf intervals w/3 1/8" HSC, 11 grm chg, .48
dia holes, 4 spf, total of 260 holes.

Underream 6-1/4 - 9-1/2
From 3248' - 3506'



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	222 cu.ft.	Surface
8-3/4"	7", 23#	455 sx	921 cu.ft.	Surface
6-1/4"	5-1/2", 17#	None	None	NA