

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

MECHANICAL INTEGRITY TEST REPORT

(TA OR UIC)

Date of Test 9-24-09 Operator San Juan Refining API # 30-0

Property Name SWD Well # 1 Location: Unit 5 Sec 27 Twn 29 Rge 11

Land Type:

State _____
Federal _____
Private /
Indian _____

Well Type:

Water Injection _____
Salt Water Disposal /
Gas Injection _____
Producing Oil/Gas _____
Pressure observation _____

Temporarily Abandoned Well (Y/N): _____ TA Expires: _____

Casing Pres. 0 Tbg. SI Pres. _____ Max. Inj. Pres. _____
Bradenhead Pres. 0 Tbg. Inj. Pres. _____
Tubing Pres. 960
Int. Casing Pres. N/A

Pressured annulus up to 580 psi. for 30 mins. Test passed/failed

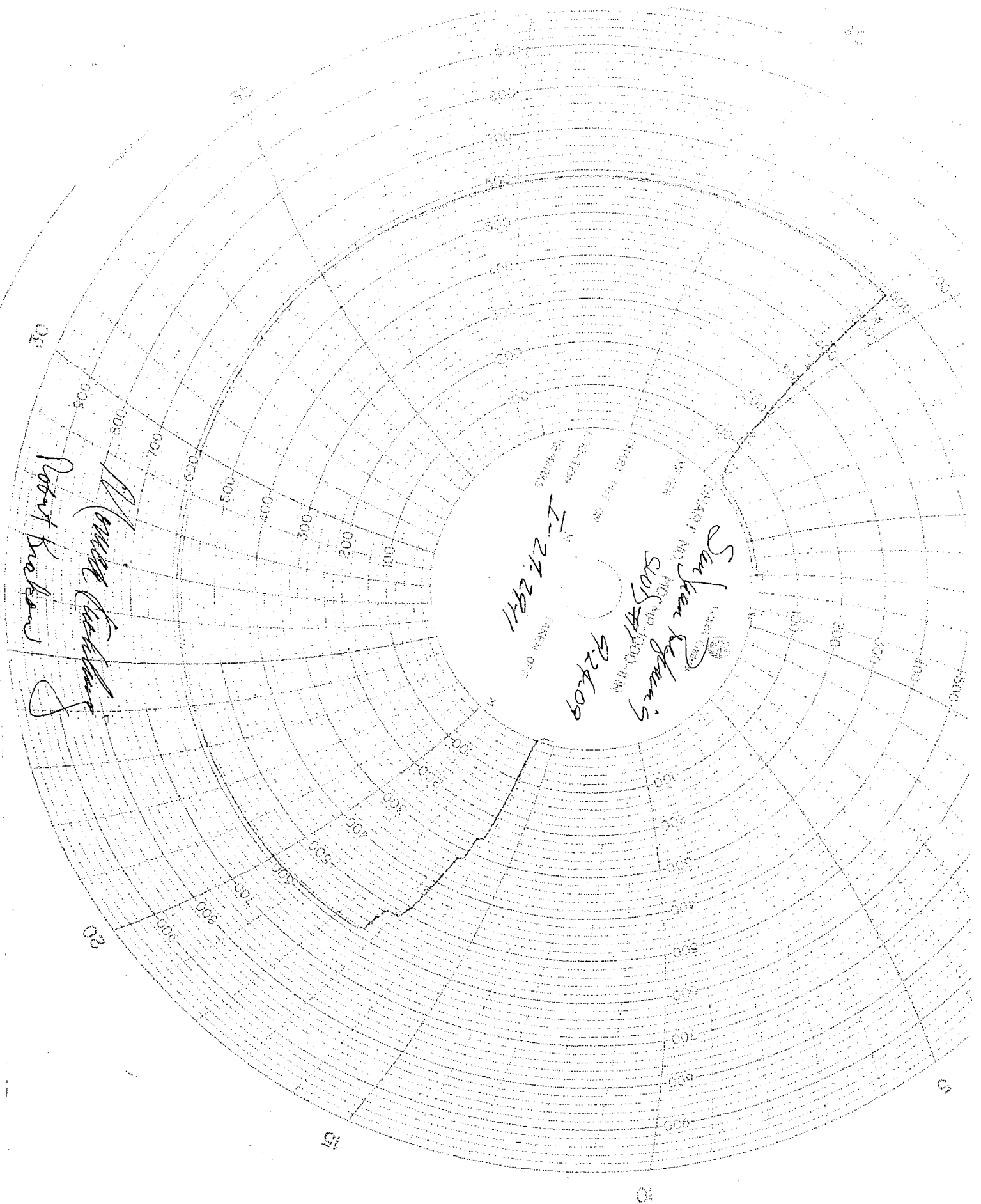
REMARKS:

By Robert Bracken
(Operator Representative)

Witness Monica Cullum
(NMOCD)

(Position)

Revised 02-11-02





BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-24-09 Operator Sanduan Ref. API #30-0 _____
Property Name SWD Well No. 1 Location: Unit A Section 27 Township 29 Range 11
Well Status(Shut-In or Producing) Initial PSI: Tubing 960 Intermediate 11A Casing 76 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE				
	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min					
10 min					
15 min					
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	<input checked="" type="checkbox"/>
Nothing	
Gas	
Gas & Water	
Water	

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

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 0

INTERMEDIATE 11A

REMARKS:

Puff when opened

By Robert Krakow

Witness Monica Kuhlman

(Position)

E-mail address _____

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-29002-00
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. N/A
7. Lease Name or Unit Agreement Name Disposal
8. Well Number #001
9. OGRID Number 037218
10. Pool name or Wildcat Blanco/Mesa Verde

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ OtherX (Disposal)

2. Name of Operator
San Juan Refining Co/Western Refining Southwest, Inc. - Bloomfield Refinery

3. Address of Operator
#50 Road 4990 Bloomfield, NM 87413

4. Well Location
Unit Letter I: 2442 feet from the South line and 1250 feet from the East line
Section 27 Township 29 Range 11 NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	P AND A <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
MULTIPLE COMPL <input type="checkbox"/>	
OTHER <input type="checkbox"/>	OTHER: : Radioactive Tracer Test/MIT/BradenheadTest <input checked="" type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Western Refining Southwest, Inc. - Bloomfield Refinery performed a Radioactive Tracer test on September 23, 2009 on the Class I injection well referenced above. Monica Kuehling of NMOCD-Aztec witnessed all proceedings pertaining to this test. Two millicuries of Scandium (Sc 46) was injected downhole and flushed with 5000 gallons of water. A Gamma Ray correlation log was run from 3506' to the surface. Two passes (up and down) were logged. The logs indicate that most of the perforated intervals are taking fluid. There were spurious spikes above the packer which are usually associated with tubing collars. These spikes indicated that there was still some radioactive material hung up in the tubing.

Bloomfield Refinery performed the annual High Pressure Shutdown Test, Bradenhead Test, and Mechanical Integrity Test on September 24, 2009. All tests were witnessed by Monica Kuehling of NMOCD-Aztec. The MIT held at 580 psi for 30 minutes.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Cindy Hurtado TITLE Environmental Coordinator DATE 9/28/09

Type or print name Cindy Hurtado E-mail address: cindy.hurtado@wnr.com Telephone No. (505)632-4161

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____