Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O.Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 3003921636

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: SAN JUAN 28-7 Unit

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator: AMOCO PRODUCTION COMPANY Attention: Kelly Stearns

8. Well No. 249

3. Address of Operator: P.O. Box 800 Denver Colorado 80201 (303) 830-4457

9. Pool name or Wildcat: Basin Fruitland Coal

4. Well Location
Unit Letter H : 1610 Feet From The North Line and 830 Feet From The East Line

Section 30 Township 28 N Range 7 W NMPM RIO ARRIBA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
5953' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: Pressure Test ☒		OTHER: ☐	

12. 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.

Amoco Production Company intends to perform a pressure transient test on the subject well to determine reservoir properties.

In the event that the pipeline company is unable to accept gas during the flow back portion of the test, Amoco requests permission to flare gas to the atmosphere.

Original procedures accompanied a Notice of Intent Sundry dated 7-29-93. The procedures have since been revised. A copy of these new procedures is attached.

RECEIVED
AUG 16 1993
OIL CON. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kelly Stearns TITLE Business Analyst DATE 08-02-1993

TYPE OR PRINT NAME Kelly Stearns TELEPHONE NO. (303) 830-4457

(This space for State Use)

APPROVED BY Frank Chavez TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE AUG 27 1993

CONDITIONS OF APPROVAL, IF ANY: Required to light the flare on flow back if the weather is calm & the air is still. Take precautions (H2S meter etc.) to implement equipment to prevent potential downhole fire.

AMOCO

Southern Rockies Business Unit

August 11, 1993

Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Attn: Mr. Ray Hagar

Re: Pressure Transient Test for San Juan 28-7 Unit #404

In response to your question concerning the pressure transient test for the San Juan Unit #404, please find attached supporting documentation for our proposed injection pressures.

Additionally, revised procedures addressing the flaring of the produced gas have been attached. If you should have any additional questions, please contact myself at (303) 830-4118 or Raj Puri at (303) 830-5064.

Sincerely,

Cristina Zogorski
Engineer

CAZ/caz

Attachments

RECEIVED
AUG 16 1993
OIL CON. DIV.
DIST. 3

cc: Ernie Busch, NMOCD
Raj Puri, Denver
Richard Volz, Denver

Pressure Transient Analysis

Amoco Production Company's Tulsa Research Center has determined that just outside of the SE terminus of the fairway the minimum stress in the basal coal is 0.72 psi/ft.

San Juan 28-7 Unit #404

Assumptions: Mid-perfs = 2800'
Temperature = 200 deg F
Air

Calculations: Parting pressure = 2800 ft * 0.70 psi/ft = 1960 psi

BHP (psi)	Surface Pressure (psi)		
	1.0 mmcfd	1.5 mmcfd	2.0 mmcfd
1800	2000	2003	2008
1700	1888	1891	1896
1600	1775	1779	1786

Comments: Surface pressure is not to exceed 1800 psig.
If surface pressure < 1800 psig, BHP is always < parting pressure.

San Juan 28-7 Unit #249

Assumptions: Mid-perfs = 2460'
Temperature = 200 deg F
Air

Calculations: Parting pressure = 2460 ft * 0.70 psi/ft = 1722 psi

BHP (psi)	Surface Pressure (psi)		
	1.0 mmcfd	1.5 mmcfd	2.0 mmcfd
1800	1976	1978	1982
1700	1864	1866	1872
1600	1754	1756	1761

Comments: Surface pressure is not to exceed 1700 psig.
If surface pressure < 1700 psig, BHP is always < parting pressure.

PTA Procedure
San Juan 28-7 #404
SEC 15-28N-7W

Following is the procedures to perform a pressure transient test on well San Juan 28-7 #404:

1. Shut-in well for 2 weeks to stabilize near wellbore pressures.

2. Inject oxygen depleted air (oxygen concentration approximately 5%) at a constant injection rate of 1.00 MMSCFD, for no more than 5 days. Montinor surface injection pressure, not exceeding 1800 psig.

3. Inject air at a constant injection rate of 1.00 MMSCFD, for no more than 5 days. Monitor surface injection pressure, not exceeding 1800 psig.

4. Inject air at a constant injection rate of 2.00 MMSCFD, for no more than 11 days, with surface pressure not exceeding 1800 psig. Monitor surface injection pressure.

5. TIH with electronic pressure gauges.

6. Initate pressure recording at least 5 hours prior to stopping air injection.

7. Stop air injection and shut-in downhole. Conduct a pressure fall off test for a minimum period of 14 days.

8. Record surface pressures simultaneously during the fall off test.

9. Flow back well while maintaining a constant flow rate, and monitor surface pressures. Return well to normal production. Monitor produced gas composition frequently, at least once every day. Vent gas until inerts content declines to less than 30% by volume. If gas venting period exceeds 10 days, or if gas flaring is deemed necessary, contact governmental authorities (BLM or NMOCD).

RP:rp
93211DEN0074

PTA Procedure
San Juan 28-7 #249
SEC 30-28N-7W

Following is the procedures to perform a pressure transient test on well San Juan 28-7 #249:

1. Shut-in well for 2 weeks to stabilize near wellbore pressures.

2. Inject oxygen depleted air (oxygen concentration approximately 5%) at a constant injection rate of 1.00 MMSCFD, for no more than 5 days. Montinor surface injection pressure, not exceeding 1700 psig.

3. Inject air at a constant injection rate of 1.00 MMSCFD, for no more than 5 days. Monitor surface injection pressure, not exceeding 1700 psig.

4. Inject air at a constant injection rate of 2.00 MMSCFD, for no more than 11 days, with surface pressure not exceeding 1700 psig. Monitor surface injection pressure.

5. TIH with electronic pressure gauges.

6. Initate pressure recording at least 5 hours prior to stopping air injection.

7. Stop air injection and shut-in downhole. Conduct a pressure fall off test for a minimum period of 14 days.

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RP:rp
93223DEN0052