

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. 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 - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER-		7. Unit Agreement Name	
2. Name of Operator Amoco Production Company		8. Farm or Lease Name Sanchez Gas Com "C"	
3. Address of Operator 501 Airport Drive, Farmington, NM 87401		9. Well No. 1	
4. Location of Well UNIT LETTER <u>A</u> <u>750</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>28</u> TOWNSHIP <u>29N</u> RANGE <u>10W</u> NMPM.		10. Field and Pool, or Wildcat Armenta Gallup	
15. Elevation (Show whether DF, RT, GR, etc.) 5490' GR		12. County San Juan	

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 ☐	OTHER <u>Recompletion</u> ☒	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. 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 requests approval to recomplate the subject well according to the attached procedure.

RECEIVED
OCT 24 1984
OIL CON. DIV.
DIST. 3

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

Original Signed By

B. D. Shaw

TITLE Administrative Supervisor

DATE 10/19/84

Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT 3

OCT 24 1984

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON DISTRICT COMPLETION
PROCEDURE

Recompletion

Date: 10/16/84

WELL NAME: Sanchez Gas Com C No. 1 FIELD: Blanco Mesa Verde

LOCATION: 750' ENL x 660' FEL, Section 28, T24N, R10W FORMATION(S): Mesa Verde
San Juan County, N.M.

ELEVATIONS: KB: 5503 TD: 5806 PBD: 5848

CASING: 11 3/4", 42 #/ft, H-40, CSA 335'
5 1/2", 15.5 #/ft, K-55, CSA 5848'

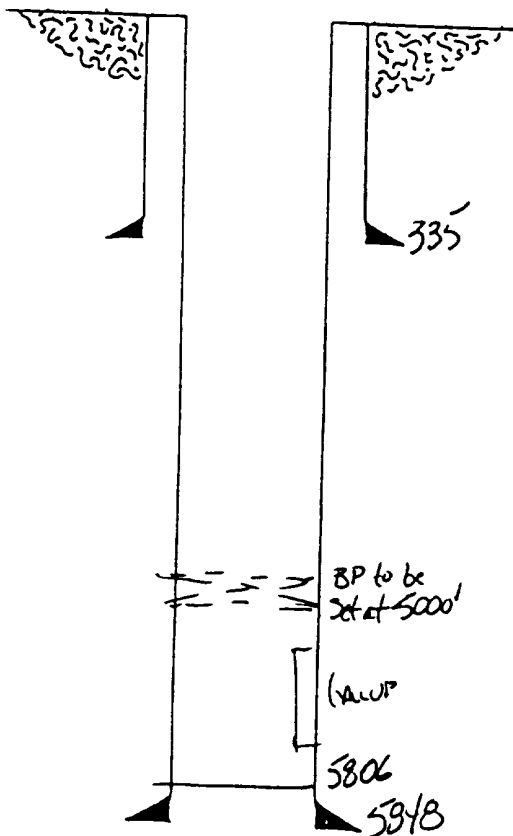
LOGS: DL-SP-GR, FDC-CNL-GR

DV TOOL SET AT: 3015'

WJH	TKA	TWE	GOM	MCH	RWO	2DF	ENGR	FILE
			DHS	RGH				
				BVD				
				GMK				

WELLBORE SKETCH

PROCEDURE



1. TO x 7/8 inch x 3/4 inch rods, pump set at 5567', AND 2 7/8" tubing landed at 5641'. See Note 1.
2. Wireline set a tubing retrievable BP at 5000'. Dump sand on top of. Load hole x filtered 2% KCL water. Pressure test casing & BP to 3800 psi. See Notes 2 and 3.
3. Run Gamma Ray Correlation Log from 4500'-3300'. See Note 4.
4. PERFORATE DENSITY Log intervals 4390'-4396', 4330'-4336', 4290'-4296', 4270'-4274', 4262'-4266', 4248'-4258', 4206'-4214', 4174'-4196', 4156'-4164', 4130'-4150', AND 4089'-4120' x 2 jsf using GEARHART'S DML DENSEI-SET XIX, PART No. 012537103-09 120° phasing.
5. BREAKDOWN PERFORATED INTERVALS 4089'-4396' x FILTERED 2% KCL WATER AT 30 BPM down casing as follows
 - a. Establish RATE,
 - b. Shut down for ISIP
 - c. RESUME RATE AND DROP 350 1 inch balls down, At 3 balls/barrel
 - c. Approximately 12,700 gallons of 2% KCL water will be needed for the breakdown.

DISTRICT MANAGER W. J. Halenah JR

DISTRICT ENGINEER Sam Altendorf

DISTRICT DRILLING SUPERVISOR T. L. Crum

ENGINEER David W. Schott

DATE 10/17

6. FRAC MESAVERDE INTERVALS 4089'-4396' down casing at 50 BPM with 155,000 gallons of 20 lb gelled water containing filtered 2% KCL water, 1 gal Surfactant per 100 4 hr Breaker at 120° and 175,000 lb 10-20 SAND TAs SAND x radioactive tracer to OBTAIN .5 millicuries/1000

FLUID VOLUME (GAL/BBLs)	Slurry Volume (GAL/BBLs)	SAND Conc. (PPS)	Slurry Pump Rate (BPM)	Stage
45000 / 1071	45000 / 1071	PAD	50	1
45000 / 1071	47048 / 1120	1	52.3	2
45000 / 1548	70916 / 1689	2	54.6	3
4090 / 97	4090 / 97	FLUSH	50	4

7. Run 3 temperature/radioactive tracer surveys at one hour intervals beginning immediately after frac.

8. Leave well ST accrete, then flow back 24 hours to clean up.

9. WIRELINE SET A tubing retrievable BP at 4050' Dump SAND on top of. Pressure test BP AND casing to 3800 psi.

10. PERFORATE DENSITY LOG INTERVALS 3952'-3972', 3912'-3944', 3886'-3892', 3830'-3852', 3794'-3800', 3745'-3751', 3734'-3739', 3695'-3718', 3610'-3616', 3534'-3539', 3498'-3504' AND 3445'-3492' x 2 JPF USING GEARHART DML Densi-JET XIX PACT No. 022-5703-097, 120° phasing

11. BREAKDOWN PERFORATED INTERVALS 3445'-3972' x FILTERED 2% KCL WATER AT 30BPM DOWN casing as follows:

- ESTABLISH RATE
- Shut down for ISIP
- Resume RATE AND DROP 5/0 Kirsch balls sealers at 3 balls/barrel.
- Approximately 14,700 gallons of 2% KCL water will be needed for the breakdown

12. FRAC MEASURED INTERVAL 3445' - 3972' down casing at 50 BPM with 262,000 gallons of 20 lb gelled water containing filtered 2% KCL water, 1 gal surfactant/1000, 4 hr breaker at 120°F and 272,000 lb 10-20 SAND TAN SAND to obtain 5 millicories / 1000 (with RA tracer).

FLUID VOLUME (GALS/BBLs)	Slurry Volume (GAL/BBLs)	Sand Conc. (PPG)	Slurry Pump Rate (BPM)	Stage
90000 / 2143	90000 / 2143	Pod	50	1
70000 / 1714	75271 / 1792	1	52.3	2
100000 / 2381	109102 / 2598	2	54.6	3
3444 / 82	3444 / 82	Flush	50	4

13. Run 3 temperature / radioactive tracer surveys at one hour intervals beginning IMMEDIATELY after frac.

14. Leave well SE overnight, then flow well back 24 hours to clean up.

15. Retrieve BP at 4050' and flow back both zones to clean up. Clean out Fuc as required.

16. Land 2 3/8 tubing at 4396'. Blow well for final clean-up. Test well for seven days x GOR meter with 300 psi TRF to simulate pipeline conditions. Obtain potential test. See Note 5.

Notes

1. Have OT obtain fluid level x SICP prior to opening well. If roots and tubing have already been pulled, obtain BHP before opening up well. These data will be used for obtaining comingling order upon completion.
2. Casing pressure to 3800 psi OK during Cleanup Completion 5/11/8.
3. CEMENT JOB SHOULD BE GOOD AND they had 100% returns during both stages.
4. Previous GREL run over the Cleanup only.

5. Do not drill out BP isolating Group until notified. We must obtain Cambridge approval which will be 2-3 months after MU potential test.
6. Max frac treating pressure is 3800 psi.