

THE UNIVERSITY OF CHICAGO
 DISTANCE EDUCATION
 1000 S. MICHIGAN AVE.
 CHICAGO, ILL. 60607
 U.S.A.
 PHONE 312/937-1234
 TELETYPE 312/937-1234
 FAX 312/937-1234

SUNDARY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amoco Production Company		2. Unit Agreement No. 	
3. Address of Operator 2325 East 30th Street Farmington, NM 87401		4. Name of Lease Holder Schneider Gas Corp ^{FT} _{VB}	
5. Section of Well 		6. Well No. 1	
7. Direction (Show whether DE, RT, CR, etc.) 		8. Field Eng. No. of Well Cedar Hill Fruitland Basal Coal	
9. Direction (Show whether DE, RT, CR, etc.) 6059' GR		10. County San Juan	
11. Direction (Show whether DE, RT, CR, etc.) Report of Other Data			

[illegible]

PERFORM REMEDIAL WORK ☒		RE-EDICAL WORK ☐		ALTERING EASING ☐	
TEMPORARILY ABANDON ☐		COMMENCE BRILLIANCE WORK ☐		PLUG AND ABANDONMENT ☐	
FULL OR ALTER EASING ☐		CAPPING TEST AND ELEMENT JOB ☐			
OTHER _____ ☐		OTHER _____ ☐		OTHER _____ ☐	

17. Expenses Proposed or Compensated Otherwise (Clearly state all pertinent details, and give pertinent dates, including estimated date of closing any proposed work) SEE RULE 1102.

Amoco Production Company requests approval to repair the subject well according to the attached procedure. Verbal approval was received from Ernie Busch on 7-22-88. Plug back to under test. Cool

Cedar Hill Frt. Basal Coal - temporary abandonment

RECEIVED
AUG 04 1988
OIL CON. DIV.
DIST. 3

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

FILE Adm Supervisor DATE 7/29/81
8-9-81

APPROVED BY Ernie Busch TITLE _____ DATE _____
(CONDITIONS OF APPROVAL, IF ANY)

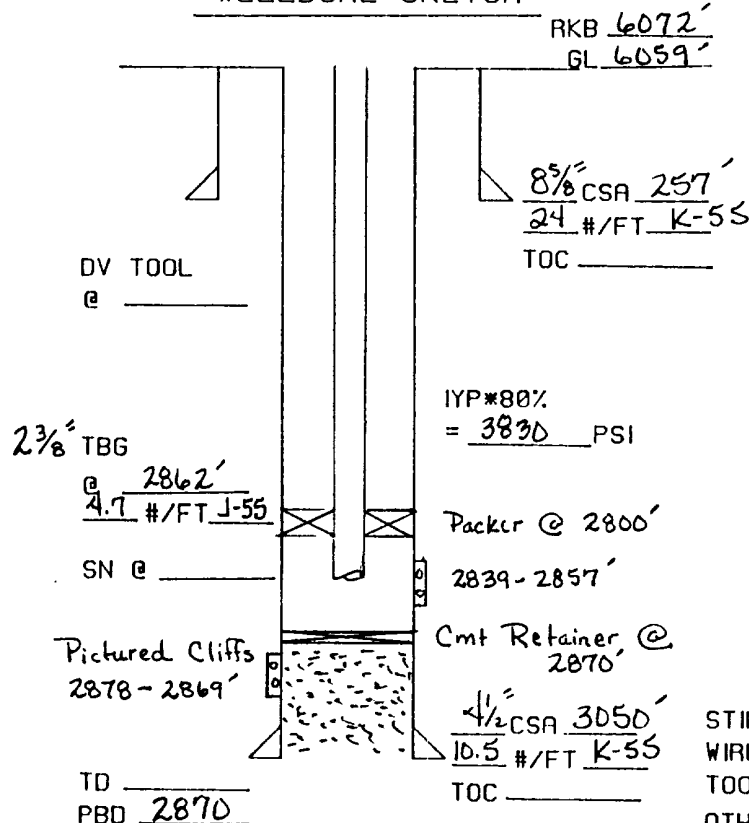
WF

RECOMPLETION PROCEDURE / WELL REPAIR REPORT
(CIRCLE ONE)

LEASE / WELL Schneider B-1 DATE: 7/21/88
 LOCATION 1116' FSL x 1185' FWL, Sec 28, T32N, R10W FIELD Cedar Hill
 COUNTY / STATE San Juan County, NM FORMATION Upper Fruitland
 AMOCO WORKING INTEREST 100% NET INTEREST 85%
 PURPOSE / DESCRIPTION Recomplete and test the Upper Fruitland

GROSS PRODUCTION	BEFORE	ANTICIPATED	UNIT PRICE
OIL (BOPD)			\$/BBL
WATER (BOPD)			
GAS (MCFD)			\$/MCF
OTHER (/DAY)			\$/UNIT

WELLBORE SKETCH



ESTIMATED COST

INTANGIBLES	
RIG COST	
EQUIPMENT RENTAL	
CIRCULATION MEDIA	
CEMENT AND SERVICE	
PACKERS AND EQUIPMENT	
PERFORATE, LOG, WIRELINE	
STIMULATION	
LABOR	
TRUCKING	
FISHING	
OTHER INTANGIBLES	
TOTAL INTANGIBLES	
TANGIBLES	
CSG. TBG., HEAD, ETC.	
Authorized by Denver	
TOTAL GROSS COST	\$ <u>50,000</u>
AMOCO	
WORKING INTEREST COST	\$ <u>50,000</u>
STIMULATION COMPANY	<u>WCNA</u>
WIRELINE COMPANY	<u>Petrowireline</u>
TOOL COMPANY	<u>Gambeson</u>
OTHER	

PROCEDURE

1. MIRUSU. Pressure test backside of csg to 3800 psi.
2. TDH w/ 2 3/8" tbg and packer @ 2800'.
3. TIH w/ cast iron bridge plug and set @ 2810'.
4. Pressure test casing to 1500 psi.
5. Perforate 2628-2664' and 2711-2721' with 4 jspf x 120° phasing (use compensated density log dated Jan 8, '76 and correlation log dated Feb 25, '77)
6. Frac well down csg according to attached procedure. USE MANDREL IF NECESSARY
7. Shut in well over night.
8. Flow back and clean up.
9. Run post frac GR log from 2810 to 2650'.
10. Land 2 3/8" tbg w/ seat nipple at 2760'.

DISTRICT MANAGER

DIST. FOREMAN

DISTRICT ENGINEER

ENGINEER

DATE

RACTURE STIMULATION PROCEDURE

Schneider B-1 (Well Name)
 2628-64'; 2711-21' (Perforated Interval)
 Upper Fruitland (Formation)
 Frac down 4 1/2' 10.5# K-55 (tubulars) with the following:

Packer set at — ft.

Stage	Fluid Type	Fluid Volume (gallons)	Proppant Type	Proppant Concentration (ppg fluid)	Proppant Volume (1st stage)	Bottom Hole Rate (BPM)
1	30# K-L borate gel	40,000	0	0	—	45
2	↓	6000	40-70 mesh Arizona	1	6,000	↓
3	↓	6000	↓	2	12000	↓
4	↓	6000	20-40 mesh Brady	3	18000	↓
5	↓	6000	↓	4	24000	↓
6	↓	6000	↓	5	30000	↓
7	↓	6000	↓	6	36000	↓
8	↓	6000	↓	7	42000	↓
9	↓	6000	↓	8	48000	↓
Total		88M gallons			216M lbs	

18M # 40-70 mesh
 198M # 12-20 mesh

Flush with 1775 gallons of water or gel (42.2 bbls) (fluid type) 0

Gel 7 400 bbl tanks of 30 # gel (340 usable)

Add 1/2 mc/1000 lb RA material during proppant stages.

Tanks should be clean prior to filling. Water should be clean and filtered.

Gauge tanks before gelling and periodically throughout the treatment.

Record viscosity, pH, temperature, crosslinking capabilities (if applicable) and physical appearance for each tank and give this data to the Amoco representative prior to starting the job.

Casing capacity .0159 bbl/ft

Maximum treatment pressure 3800 psi

Perform all quality control checks

Minimum gel viscosity 20 @ 60 degrees F. x 170 sec.

Sand sieve analysis 20/40 40/70
 less than 1% less than 16 mesh 30
 less than 1% greater than 50 mesh 100
 greater than 90% 40 mesh 70

Add sufficient breaker to break X-L in 8hrs @ 100°F

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF PLUGGING REQUEST	
DISTRIBUTION	
DATE	
U.S.G.A.	
NAME OFFICE	
LOCATION	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form O-103
Revised 12-1-78

36. INCLUDE TYPE OF WORK
Stop ☐ Fee ☒

37. Shut Oil & Gas Lease fee.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSAL TO DRILL OR RE-DRILL OR PLUG WELL OR A SUBSEQUENT RE-DRILLING.
USE APPLICATION FOR PLUGGING AND PLUGGING REPORT (O-101) FOR SUCH PURPOSES.

1. Until agreement here

2. Term of Lease here

Schneider Gas Corp. ^{Fr.} _B

3. Well No.

1

10. Field and Pool, or where:
Cedar Hill Fruitland
Basal Coal

12. County

San Juan

ALL ☐ WELL ☒

4. Name of Operator

Amoco Production Company

5. Address of Operator

2325 East 30th Street Farmington, NM 87401

6. Location of well

UNIT LETTER M 1110 FEET FROM THE South LINE AND 1185 FEET FROM

THE West LINE, SECTION 28 TOWNSHIP 32N RANGE 10W

11. Elevation (Show whether DF, RT, CR, etc.)

6059' GR

12. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒
TEMPORARILY ABANDON ☐
FULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

RECEIVED FROM

COMMENCE DRILLING OPER.

CASING TEST AND CEMENT JOBS

OTHER

ALTERING CASING

PLUG AND ABANDONMENT

13. Description of Proposed or Completed Operation (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1102.

Amoco Production Company requests approval to repair the subject well according to the attached procedure. Verbal approval was received from Ernie Busch on 7-22-88.
plug back to under Frt. Coal

Cedar Hill Frt. Basal Coal - temporary abandonment

RECEIVED
AUG 04 1988
OIL CON. DIV.
DIST. 8

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

SIGNED: _____ TITLE: Adm Supervisor

DATE: 7/29/88

SIGNED BY: Ernie Busch

TITLE

DATE

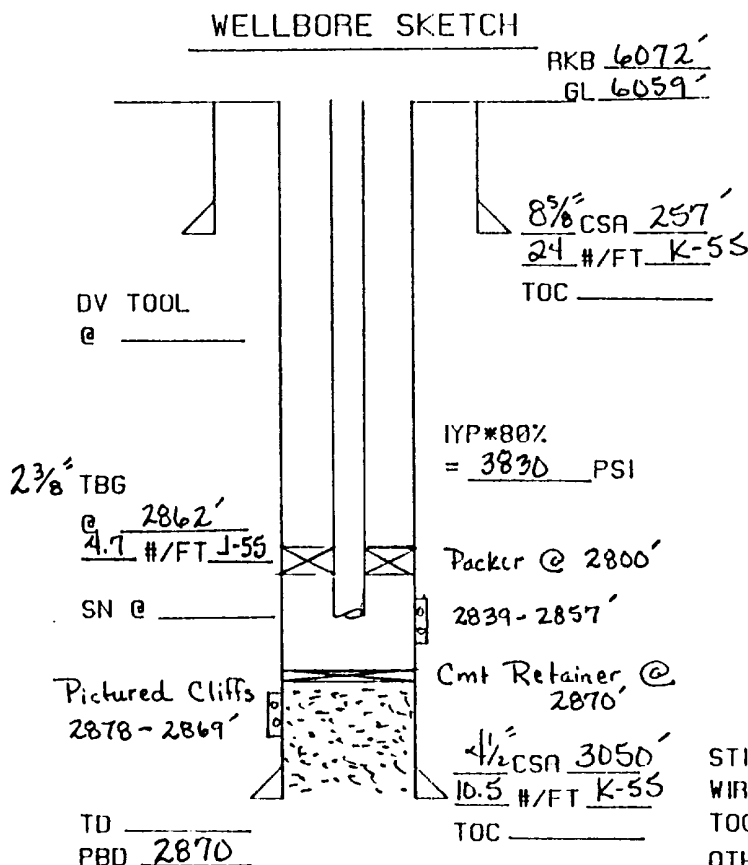
CONDITIONS OF APPROVAL, IF ANY:

WF

RECOMPLETION PROCEDURE / WELL REPAIR REPORT
(CIRCLE ONE)

LEASE / WELL Schneider B-1 DATE: 7/21/88
LOCATION 116° E SL x 1185° FWL, Sec 28, T32N, R10W FIELD Cedar Hill
COUNTY / STATE San Juan County, NM FORMATION Upper Fruitland
AMOCO WORKING INTEREST 100% NET INTEREST 85%
PURPOSE / DESCRIPTION Recomplete and test the Upper Fruitland

GROSS PRODUCTION	BEFORE	ANTICIPATED	UNIT PRICE
OIL (BOPD)			\$/BBL
WATER (BWPD)			
GAS (MCFD)			\$/MCF
OTHER (/DAY)			\$/UNIT



ESTIMATED COST

INTANGIBLES	
RIG COST	
EQUIPMENT RENTAL	
CIRCULATION MEDIA	
CEMENT AND SERVICE	
PACKERS AND EQUIPMENT	
PERFORATE, LOG, WIRELINE	
STIMULATION	
LABOR	
TRUCKING	
FISHING	
OTHER INTANGIBLES	
TOTAL INTANGIBLES	
TANGIBLES	
CSG. TBG., HEAD, ETC.	
Authorized by Denver	\$ 50,000
TOTAL GROSS COST	
AMOCO	
WORKING INTEREST COST	\$ 50,000

STIMULATION COMPANY WCNA
WIRELINE COMPANY Petrowireline
TOOL COMPANY Gambeson
OTHER _____

PROCEDURE

1. MURUSU. Pressure test backside of csg to 3200 psi.
2. TDH w/ 2 3/8" tbg and packer @ 2800'.
3. TIH w/ cast iron bridge plug and set @ 2810'.
4. Pressure test casing to 1500 psi.
5. Perforate 2628-2664' and 2711-2721' with 4 jsp x 120° phasing (use compensated density log dated Jan 8, '76 and correlation log dated Feb 25, '77)
6. Frac well down csg according to attached procedure. USE MANDREL IF NECESSARY
7. Shut in well over night.
8. Flow back and clean up.
9. Run post frac GR log from 2810 to 2650'.
10. Land 2 3/8" tbg w/ seat nipple at 2760'.

DISTRICT MANAGER [Signature] DIST. FOREMAN [Signature]
DISTRICT ENGINEER FE Whitte 7/22/88 ENGINEER [Signature]

RACTURE STIMULATION PROCEDURE

Schneider B-1 (Well Name)

2628-64'; 2711-21' (Perforated Interval)

Upper Fruitland (Formation)

Frac down 4 1/2", 10.5# K-55 (tubulars) with the following:

Packer set at — ft.

Stage	Fluid Type	Fluid Volume (gallons)	Proppant Type	Proppant Concentration (ppg fluid)	Proppant Volume (1st stage)	Bottom Hole Rate (BPM)
1	30# x-L borate gel	40,000	0	0	—	45
2		6,000	40-70 mesh Arizona	1	6,000	
3		6,000	↓	2	12,000	
4		6,000	20-40 mesh Brady	3	18,000	
5		6,000		4	24,000	
6		6,000		5	30,000	
7		6,000		6	36,000	
8		6,000		7	42,000	
9	↓	6,000	↓	8	48,000	↓
Total		88M gallons			216M lbs	

18M # 40-70 mesh
198M # 12-20 mesh

Flush with 1775 gallons of water or gel (42.2 bbls) (fluid type) 0

Gel 7 400 bbl tanks of 30 # gel (340 usable)

Add 1/2 mc/1000 lb RA material during proppant stages.

Tanks should be clean prior to filling. Water should be clean and filtered.

Gauge tanks before gelling and periodically throughout the treatment.

Record viscosity, pH, temperature, crosslinking capabilities (if applicable) and physical appearance for each tank and give this data to the Amoco representative prior to starting the job.

Casing capacity .0159 bbl/ft

Maximum treatment pressure 3800 psi

Perform all quality control checks

Minimum gel viscosity 20 @ 60 degrees F. x 170 sec.

Sand sieve analysis
less than 1% less than 16 mesh
less than 1% greater than 50 mesh
greater than 90% 40 mesh

Add sufficient breaker to break x-L in 8hrs @ 100°F

OIL CONSERVATION DIVISION
P. O. BOX 2082
SANTA FE, NEW MEXICO 87501Form O-103
Revised 12-1-78

NAME OF OPERATOR	
REGISTRATION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
OPERATION	

35. INCIDENT TYPE OF LOSS
State ☐ Fed ☒

3. State Oil & Gas Lease Inc.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR APPROVAL OF WELLS OR TO REPORT OF PLUG BACK TO A DIFFERENT RESERVOIR.
SEE APPLICATION FOR PLUG BACK TO FORM (SEE INSTRUCTIONS FOR SUCH APPROVALS.)

1. Name of Operator Amoco Production Company	7. Unit Agreement No.
2. Address of Operator 2325 East 30th Street Farmington, NM 87401	8. Term of Lease (Years) 6
3. Location of well UNIT LETTER M 1110 FEET FROM THE South LINE AND 1185 FEET FROM THE West LINE, SECTION 28 TOWNSHIP 32N RANGE 10W	9. Well No. 1
11. Direction (Show whether DF, RT, GR, etc.) 6059' GR	10. Field and Pool, or Field Cedar Hill Fruitland Basal Coal
12. County San Juan	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERMANENT ABANDONMENT ☒	RE-ENTRANCE ☐
TEMPORARILY ABANDONMENT ☐	COMMENCE DRILLING OPER. ☐
PLUG OR ALTER CASING ☐	CASING TEST AND ELEMENT JOG ☐
OTHER ☐	ALTERING CASING ☐
	PLUG AND ABANDONMENT ☐

17. DISCUSS PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1102.

Amoco Production Company requests approval to repair the subject well according to the attached procedure. Verbal approval was received from Ernie Busch on 7-22-88. Plug back to ~~Fracture~~ under frt. coal

Cedar Hill Frt. Basal Coal - temporary abandonment

RECEIVED
JUL 24 1988
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.

APPROVED BY Ernie Busch TITLE Adm Supervisor DATE 7/29/88

CONDITIONS OF APPROVAL, IF ANY:

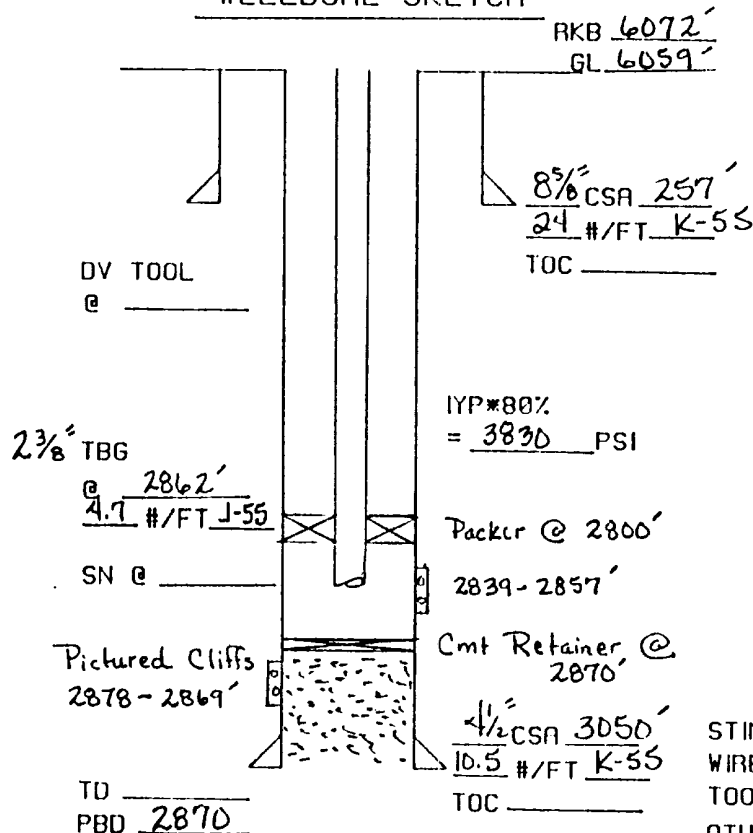
WF

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WATER (BWPD)			
GAS (MCFD)			\$/MCF
OTHER (/DAY)			\$/UNIT

WELLBORE SKETCH



ESTIMATED COST

INTANGIBLES	
RIG COST	
EQUIPMENT RENTAL	
CIRCULATION MEDIA	
CEMENT AND SERVICE	
PACKERS AND EQUIPMENT	
PERFORATE, LOG, WIRELINE	
STIMULATION	
LABOR	
TRUCKING	
FISHING	
OTHER INTANGIBLES	
TOTAL INTANGIBLES	
TANGIBLES	
CSG, TBG., HEAD, ETC.	
Authorized by Denver	\$ 50,000
TOTAL GROSS COST	
AMOCO	
WORKING INTEREST COST	\$ 50,000

STIMULATION COMPANY WCNA
 WIRELINE COMPANY Petrowireline
 TOOL COMPANY Cambison
 OTHER _____

PROCEDURE

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2. TTH w/ 2 3/8" tbg and packer @ 2800'.
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DISTRICT MANAGER F. J. Benson DIST. FOREMAN [Signature] 7/22/88
 DISTRICT ENGINEER F. E. Whitte 7/22/88 ENGINEER [Signature]

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