

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.
30-045-20060

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B10870-5, B11479, E 3792

7. Lease Name or Unit Agreement Name

State Com "H"

8. Well No.
#9

9. Pool name or Wildcat
Blanco Fruitland

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 ☒ OTHER

2. Name of Operator
Amoco Production Company ATTN: J.L. Hampton

3. Address of Operator
P. O. Box 800 Denver, Colorado 80201

4. Well Location
Unit Letter B : 1048 Feet From The North Line and 1575 Feet From The East Line
Section 16 Township 30N Range 9W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6034' GR

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

NOTICE OF INTENTION TO:

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: Recomplete to Fruitland Coal from Sands ☒

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 Recomplete the subject well into the Fruitland Coal formation from the Fruitland Sands and produce as a dual Fruitland coal/Pictured Cliffs.

The Fruitland

Please see the attached procedure detailing these operations.

A C102 will be forthcoming for the Fruitland Coal formation.

Please contact Cindy Burton (303) 830-5119 if you have any questions.

RECEIVED

OCT 2 1991

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

J.L. Hampton

TITLE

Sr. Admin. Supr.

DATE

9/27/91

TYPE OR PRINT NAME

J.L. Hampton

TELEPHONE NO.

830-5025

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ

TITLE

ADMINISTRATIVE #3

DATE

OCT 02 1991

CONDITIONS OF APPROVAL, IF ANY:

PROCEDURE
STATE COM H-9

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow well down. NDWH and NUBOP.
3. Sting out of model FA pkr. with 1.25" tbg and rev. circ debris off top of pkr with nitrogen. TOOH w/ 1.25" tbg.
4. TIH mill out model FA pkr SA 2756'. TOOH mill.
5. TIH with 3 1/2" RBP and SA 2780' and spot 1 sacks of sand on top. TIH with 3 1/2" cement retainer and SA 2490'. Squeeze perforations with 8 cu. ft. (7 sx) class B cement. Sting out of retainer reverse out any excess cement and TOOH with tbg.
6. WOC 24 hrs. Drill out retainer and cement to sand (est. at 2761'). Pressre test casing to 3500 psi. If pressure test fails, determine location of leak and prepare to squeeze.
7. Swab fluid level in casing down to 1500' from surface.
8. RU wireline company. Run a GR/CCL and tie into Schlumberger's Compensated Formation Density log dated 5/7/67.
9. TIH with a 2 1/8" casing gun and perforate the following intervals with 8 JSPF on 90 or 120 degree phasing:

2714'-2720'

2732'-2736'

2738'-2750'
10. Install frac head if necessary.
11. RU fracture company. Frac well down casing at 44 BPM according to the attached procedure for bottom stage.
12. Leave well shut in for 4 hours. Flow back slowly on 1/4" choke to avoid sand production. Flow well overnight.
13. TIH with a 2 1/8" casing gun and perforate the following intervals with 8 JSPF on 90 or 120 degree phasing:

2551'-2557'

2579'-2581'

2670'-2683'

2685'-2692'
14. TIH with 3 1/2" RBP and set at 2705'.

15. RU fracture company. Frac well down casing at 56 BPM according to the attached procedure for top stage.
16. Leave well shut in for 4 hrs. Slowly flow well back on 1/4" choke to avoid sand production. Flow well overnight.
17. TIH and clean out sand to RBP SA 2705'. TOH with RBP.
18. TIH with tbg. and clean out sand to PBTD of approx. 2760'. Slowly flow back load water attempting to avoid sand production.
19. Flow test well while holding 100 psi FTP. Report gas and water volumes and periodic fluid levels on report.
20. When well is cleaned up and there are no signs of fill entering wellbore, circ. sand off of RBP SA 2780' with nitrogen and TOOH with RBP.
21. TIH with 3 1/2" model D packer and SA 2760'. TIH with seal assembly and tbg and sting into packer. RDSU and put both Pictured Cliffs and Fruitland Coal zones on production.
22. Take wellhead gas and water samples and send in for analysis.

FRACTURE STIMULATION PROCEDURE

Well Name : State Com H-9 (Bottom Stage)
Formation : Fruitland Coal
Frac down : 3 1/2" casing casing/liner.
Frac with : 40/70 & 20/40 mesh. Use Brady.
Packer set at : -

[illegible]

STAGE	FLUID TYPE (water)	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)
(pad)	1	slick	58,800	-	-	0	44
	2	slick	6,600	40/70	1	6,600	44
	3	slick	20,900	20/40	2	41,800	44
	4	slick	1,467	20/40	3	4,400	44
	5	slick	1,100	20/40	4	4,400	44
	6	slick	880	20/40	5	4,400	44
	7	slick	733	20/40	6	4,400	44
Total		90,000	gallons			66,000	lbs

NOTE: All slick water used in this procedure should contain 0.75 gal / 1000 gal of Western FR-28 friction reducer or equivalent. No other additives are required.

```
Casing capacity =      0.00914 bbl/ft.
Liner capacity  =      bbl/ft.   If no liner exists, leave blank.
Liner top       =      ft.       If no liner exists, leave blank.
Casing vol. to top perf =      24.8 bbl.
Flush w/        24 barrels of water
```

State Com H-9 (Bottom Stage)

Pertinent Data:

At 44 BPM, travel time from the wellhead to
the top perf is 0 min. and 34 sec.
Maximum treating pressure 4752 psi.
Have 7 400 bbl tanks of water
Tanks should be clean prior to filling. Water should be clean and
filtered.
Sand bins should be cleaned prior to loading of sand.

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

Anticipated friction down 3 1/2" csg. @ 44 BPM = 1310 psi
∴ Surface treating pressure will be 3100 psi

FRACTURE STIMULATION PROCEDURE

Well Name : State Com H-9 (Top Stage)
Formation : Fruitland Coal
Frac down : 3 1/2" casing casing/liner.
Frac with : 40/70 & 20/40 mesh. Use Brady.
Packer set at : -

[illegible]

STAGE	FLUID TYPE (water)	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)
(pad)	1	slick	74,900	-	-	0	56
	2	slick	8,400	40/70	1	8,400	56
	3	slick	26,600	20/40	2	53,200	56
	4	slick	1,867	20/40	3	5,600	56
	5	slick	1,400	20/40	4	5,600	56
	6	slick	1,120	20/40	5	5,600	56
	7	slick	933	20/40	6	5,600	56
Total		115,000	gallons			84,000	lbs

NOTE: All slick water used in this procedure should contain 0.75 gal / 1000 gal of Western FR-28 friction reducer or equivalent. No other additives are required.

```
Casing capacity =      0.00914 bbl/ft.
Liner capacity  =      bbl/ft.   If no liner exists, leave blank.
Liner top       =      ft.       If no liner exists, leave blank.
Casing vol. to top perf =      23.3 bbl.
Flush w/        22 barrels of water
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State Com H-9 (Top Stage)

Pertinent Data:

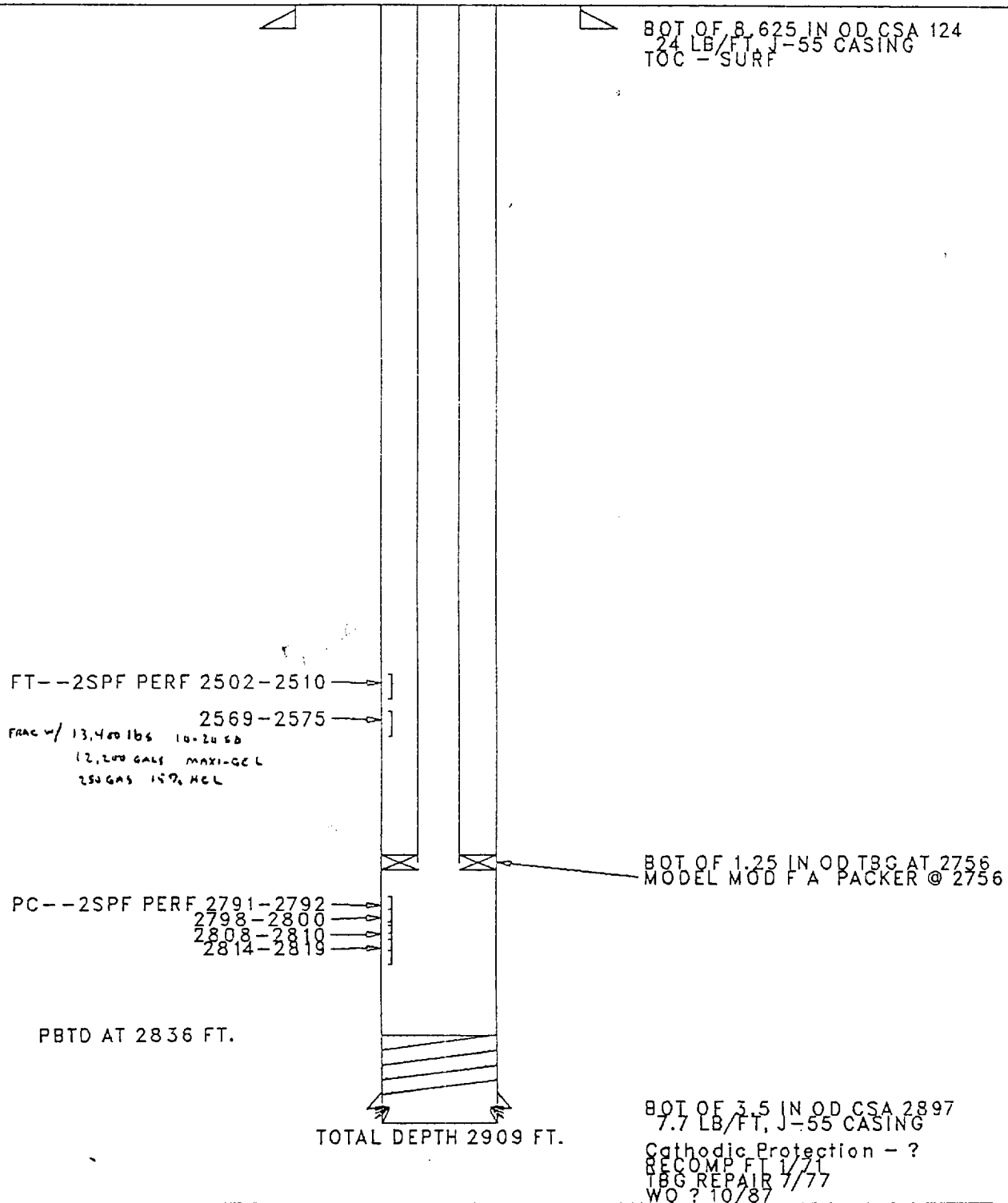
At 56 BPM, travel time from the wellhead to
the top perf is 0 min. and 25 sec.
Maximum treating pressure 4752 psi.
Have 9 400 bbl tanks of water
Tanks should be clean prior to filling. Water should be clean and
filtered.
Sand bins should be cleaned prior to loading of sand.

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

Anticipated friction down $3\frac{1}{2}$ " csg @ 56 BPM = 2052 psi

\therefore Surface treating pressure should be \approx 3853 psi

STATE COM H 009 386
 Location - 16B- 30N- 9W
 DUAL PC-FT
 Orig. Completion - 6/67
 Last File Update - 1/89 by DDM



no information on second tubing string

120 SX CLASS "C" - 1/4" GEL
 30 SX CLASS "C" NENT

CALIPER HOLE DIAM. IN INCHES 6 8 10 12 14 16 7 9 11 13 15		DEPTH 26 16 6 4 2 0 SANDSTONE POROSITY — % GRAIN DENSITY 2.65 GRAMS/CC —.25 0 +.25 CORRECTION GRAMS/CC.
GAMMA RAY API UNITS 0 120 120 240		BULK DENSITY GRAMS/CC. 2.0 2.5 3.0 1.0 1.5 2.0

