

7-7-92

FC STATE COM # 3

SAN JUAN OU

CURRENT COMPLETION

SURFACE CASING
9 5/8", J-55, 36.0#, @ 234'
150 SACKS CEMENT
TOC: CIRC.

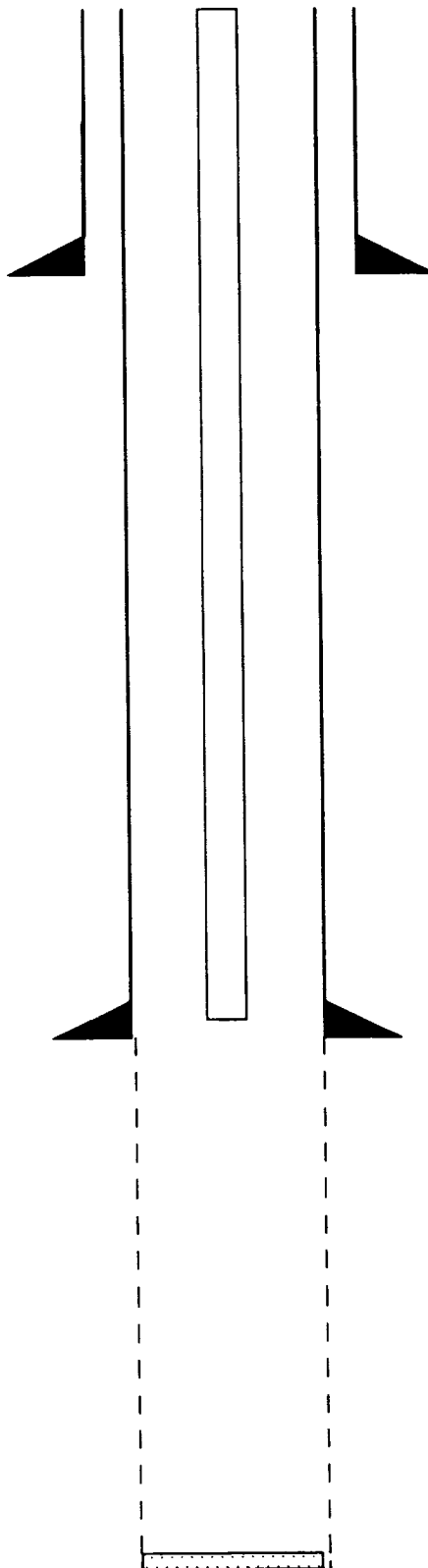
KB: 5940'
GLE: 5928'

TUBING
2 7/8" @ 2408'

PRODUCTION CASING
7", N-80, 23.0# @ 2429'
400 SACKS CEMENT
TOC: 110' (T.S.)

OPEN HOLE
FRUITLAND COAL
2429-2734'

PBTD: 2734'
TD: 2734'



8-4-92

FC STATE COM # 3

SAN JUAN OU

PROPOSED COMPLETION

SURFACE CASING
9 5/8", J-55, 36.0#, @ 234'
150 SACKS CEMENT
TOC: CIRC.

KB: 5940'
GLE: 5928'

TUBING

4 1/2" @ 2430'

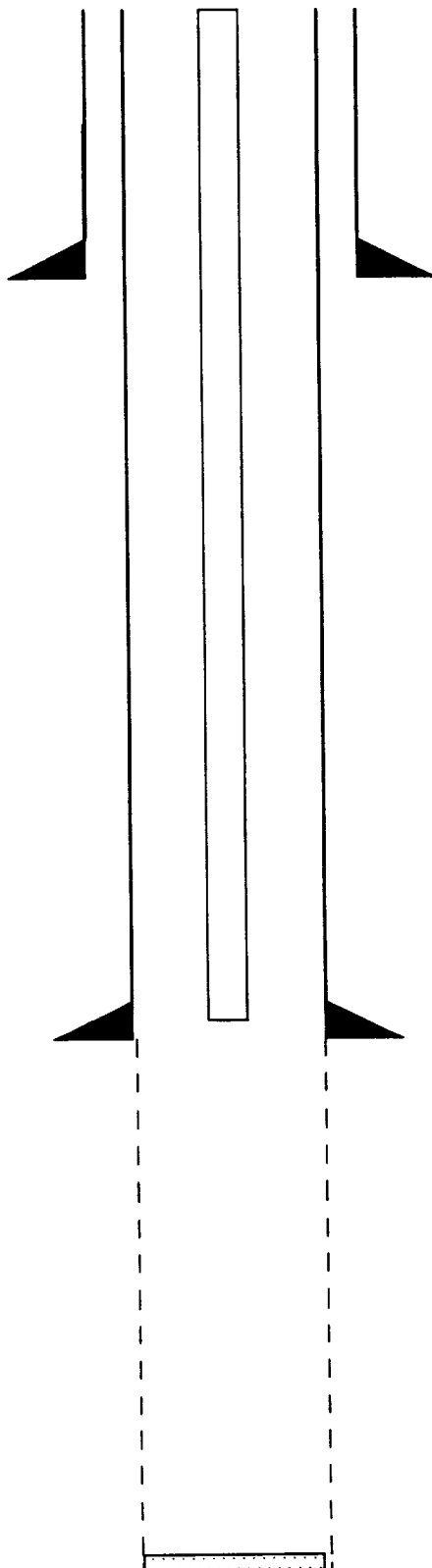
PRODUCTION CASING
7", N-80, 23.0# @ 2429'
400 SACKS CEMENT

TOC: 110' (T.S.)

OPEN HOLE
FRUITLAND COAL
2429-2734'

PBTD: 2734'

TD: 2734'



Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-27496

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-453-20

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

7. Lease Name or Unit Agreement Name

FC STATE COM

2. Name of Operator

CONOCO INC.

8. Well No.

3

3. Address of Operator

3817 NW Expressway, Oklahoma City, OK 73112

9. Pool name or Wildcat

Basin Fruitland Coal

4. Well Location

Unit Letter M: 970' Feet From The south Line and 1075' Feet From The west Line

Section 36 Township 31N Range 9W NMPM San Juan County

10. Date Spudded

7-14-90

11. Date T.D. Reached

7-16-90

12. Date Compl. (Ready to Prod.)

7-17-91

13. Elevations (DF & RKB, RT, GR, etc.)

5928' GR

14. Elev. Casinghead

15. Total Depth

2734'

16. Plug Back T.D.

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By Rotary Tools

0-2734'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

Fruitland Coal 2429'-2734'

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

Mud Log CBL

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3# H-40	242'	12-1/4"	150 sx Cl B to surface	
7"	23# N-80	2429	8-3/4"	300 sx Cl. B Poz	
				100 sx C. B	

24.

LINER RECORD

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8" <i>Carved</i>	2408'	

26. Perforation record (interval, size, and number)

Open Hole - 2429'-2734' Total 305'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
	Flowing					ST	
Date of Test 7-24-91	Hours Tested 24	Choke Size 3/4"	Prod'n For Test Period	Oil - Bbl. -	Gas - MCF 4494	Water - Bbl. 638	Gas - Oil Ratio -
Flow Tubing Press. 600	Casing Pressure 700	Calculated 24-Hour Rate	Oil - Bbl. -	Gas - MCF 4494	Water - Bbl. 638	Oil Gravity - API - (Corr.) -	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Richard Farmer

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Barbara J. Bale

Printed Name

Barbara J. Bale

Title

Regulatory Affairs

Sr O&G Asst.

Date 7-25-91

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. 30-045-27496
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. RECEIVED 11-20-20

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 MESA OPERATING LIMITED PARTNERSHIP
3. Address of Operator P.O. BOX 2009, AMARILLO, TEXAS 79189

7. Lease Name of Well (If Agreement Name) FC STATE COM DRILLING DEPARTMENT
8. Well No. # 3
9. Pool name or Wildcat Basin Fruitland Coal

4. Well Location Unit Letter <u>M</u> : <u>970'</u> Feet From The <u>South</u> Line and <u>1075'</u> Feet From The <u>West</u> Line Section <u>36</u> Township <u>31N</u> Range <u>9W</u> NMPM San Juan County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5928' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPNS. ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☐
OTHER: ☐	OTHER: PROD CSG/TD NOTICE ☒

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.

The above referenced well TD'd @ 1200 hrs @ 2429' on July 16, 1990. RU and ran 7" 23# N-80 LT&C casing, set @ 2429'; cemented with 300 sx Class "B"/Poz, tailed in with 100 sx Class "B"; did not circulate cement to surface. Ran Temp Survey - TOC @ 110'. Will test casing with RU to complete. WOCU.

xc: NMOCD-A (0+6), WF, Reg, Land, Expl., Drlg.

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

SIGNATURE

Carolyn L. McKee

TITLE Sr. Regulatory Analyst

DATE 7/20/90

TYPE OR PRINT NAME

Carolyn L. McKee

(806) 378-1000
TELEPHONE NO.

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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. 30-045-27496
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-453-20
7. Lease Name or Unit Agreement Name FC STATE COM
8. Well No. # 3
9. Pool name or Wildcat Basin Fruitland Coal

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 MESA OPERATING LIMITED PARTNERSHIP	
3. Address of Operator P.O. BOX 2009, AMARILLO, TEXAS 79189	
4. Well Location Unit Letter M : 970' Feet From The South Line and 1075' Feet From The West Line Section 36 Township 31N Range 9W NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: SPUD NOTICE/SURFACE CASING ☒

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.

The above referenced well was spud on 7/14/90 by Four Corners Rig # 6; drilled to a TD of 242'. RU and ran 9 5/8" 32.3# H-40 ST&C casing; cemented with 150 sx of Class "B". Circulated cement to surface. Drilling ahead.

xc: NMOCD-A (0+6) WF, Reg, Land, Expl., Drilling

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

SIGNATURE Carolyn L. McKee TITLE Sr. Regulatory Analyst DATE 7/16/90
TYPE OR PRINT NAME Carolyn L. McKee TELEPHONE NO. (806) 378-3

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

7-24-90

**WELL RECORD
FOR
MESA OPERATED**

WELL NAME: FC STATE COM #3

OPERATOR: MESA IBM ID NUMBER: _____

AFE NUMBER: D90090 OP NUMBER: N/A

LOCATION: 970' FSL & 1075' FWL, SECTION 36-T31N-R9W, SAN JUAN COUNTY, NM

TYPE WELL: DEV. X EXPL. _____ PROSPECT: ARCHULETA

ELEVATION: GL _____ DF _____ KB _____

TD: _____ PBD: _____ DATE TD REACHED: _____

SPUD DATE: _____ TIME: _____ RIG RELEASE: _____

COMPLETION UNIT MOVED ON - DATE: _____ TIME: _____

COMPLETION UNIT RELEASED - DATE: _____ TIME: _____

ONTRACTOR: _____

CURRENT WELL STATUS: PRODUCING: OIL _____ GAS _____ DUAL _____

PRODUCING FORMATION (S): _____

PRODUCING DEPTHS: _____

TA: _____ DATE P&A'D: _____

WI OWNERS & %: MESA OPERATING LIMITED PARTNERSHIP 87.5%

XC: RESERVOIR, ACTG., CEN. RCDS., OPNS. WF, GAS CONT., DRILLING, EXPLORATION MGR., D&M
(EXPLORATION), LAND MGR., PURCHASING, PRODUCTION FOREMAN

FC STATE COM #3
WELL RECORD
PAGE 2

07/13/90

PO: Bldg location

Started bldg location - approx 50% complete.

DWC \$7,285 CWC \$7,285

07/14/90

PO: WO RT

Fin'd bldg location. Installed cellar. Fenced reserve pit & set anchors. Pull tstd 25,000#.

DWC \$3,905 CWC \$11,190

07/15/90 (1 day) 400' (400'), MW spud mud

PO: Drig

1/2" @ 95', 1/4" @ 217'

0600-1200	(6)	MIRU Four Corners Rig #2. Notifed Charlie G. w/NMOCD of spud @ 0830 hrs 7/13/90.	
1200-1230	(1/2)	Drld rat & mouse holes.	
1230-1630	(4)	Spudded @ 1230 hrs. Drig & survey	
1630-1700	(1/2)	Circ. Survey.	
1700-1715	(1/4)	TOH	
1715-1815	(1)	RU & ran 9-5/8" csg as follows:	
		Weatherford GS	.95
		1 jt 9-5/8" 36# J-55 ST&C csg	43.88
		Weatherford IF	
		11 jts 9-5/8" 36# J-55 ST&C csg	175.13
		RKB 2' BGL	14.00
		Csg set @	233.96
1815-1915	(1)	RU Western. Held safety mtg. Cmt'd w/150 sx Class "B" w/2% CaCl + 1/4#/sx Celloseal (15.6 ppg, yield 1.18). Displ w/15 BW @ 3 BPM. Final press 125 psig. Bumped plug w/300 psig over. Circ 8 bbls good cmt to surf. Plug dwn @ 1845 hrs.	
1845-0245	(8)	WOC. NU BOP. Press tstd to 1500 psig.	
0245-0400	(1-1/4)	Drld cmt & plug	
0400-0600	(2)	Drig	

DWC \$19,133 CWC \$30,326

07/16/90 (2 days) 2042' (1642'), MW 8.3, Vis 27, Chl 350

PO: Drig

1-1/4" @ 455', 3/4" @ 575', 1" @ 822', 1" @ 1068', 1-3/4" @ 1350', 2" @ 1475', 1-3/4" @ 1599'
1-3/4" @ 1850'

0600-0600 (24) Drld & surveys.

DWC \$18,643 CWC \$48,969

07/17/90 (3 days) 2429' (347'), MW 10.0, Vis 47, WL 15.4, Chl 350

PO: WO CU

1-3/4" @ 2202'

0600-1200	(6)	Drig & surveys. Drig breaks @ 2393'-2399' & 2412'-2416'). Caught samples. TD @ 2479' @ 1200 hrs.
1200-1530	(3-1/2)	Circ. Slight gas kick. Cond mud & wt up.

FC STATE COM #3
WELL RECORD
PAGE 3

.530-1600 (1/2) ST 6 stds. Hole clean & no fill.
1600-1800 (2) C&C. Wtd up mud to 10 ppg. Kick is dead. Dropped survey.
1800-2015 (2-1/4) LD DP & DC
2015-0045 (4-1/2) Changed out rams. RU & ran 7" csg as follows:
Weatherford GS .95
1 jt 7" 23# N-80 LT&C csg 41.54
Weatherford FC 1.60
5 jts 7" 23# N-80 LT&C csg 201.74
54 jts 7" 23# N-80 LT&C csg 2191.09
Total 2436.92
RKB 7.92
Csg set @ 2429.00

0045-0130 (3/4) Circ 2 full circs
0130-0245 (1-1/4) RU Western. Held safety mtg. Pumped 30 bbls spacer WMW-1 flush @ 8.3 ppg. Cmt'd w/300 sx 65% Class "B", 3.5% Poz, 6% gel, 2% CaCl & 1/4#/sx Celloseal (12.3 ppg, yield 1.18). Tailed-in w/100 sx Class "B" w/0.8% CF-1 (15.8 ppg, yield 1.15). Displ w/94 BFW @ 4 BPM. Final press 800 psig. Bumped plug w/700 psig over @ 0245 hrs. No cmt to surf. 25 bbls flush to surf.

0245-0500 (2-1/4) ND BOP. Set csg slips. Released rig @ 0500 hrs 7/17/90.

DWC \$52,220 CWC \$101,189

07/18/90

PO: TEMP DROP FROM REPORT/WO CU

.U Petro WL Ran Temperature Survey from 0'-1000'. TOC 110'. RD Petro. Temp drop from report. WO CU.

DWC \$894 CWC \$102,083

07/24/90

PO: WO completion

Installed 10" 3M x 7-1/16" 3M "B" section w/2 - 2" FO w/2" 3M gate valve & 2" bull plug. Installed 7-1/16" 3M x 2" 3M adaptor flange, 2" 3M single master valve. Press test "B" section to 1500 psig for 15 min - held OK. Cleaned location, filled RH, MH & cellar. Fenced 4th side of reserve pit.

DWC \$846 CWC \$102,929

Status 3/22/91
Wocu plan to connect behind of Com I & J compressors + haul wdr pipe
to Amoco 30-3. Do flow or Algrmts yet per

Extra



PETRO WIRELINE

PO BOX 2900 - 700 DUSTIN RD.
FARMINGTON, NEW MEXICO 87499
(505) 326-6669



TEMPERATURE LOG

COUNTY: SAN JUAN N.M.
FIELD: BASIN FRUITLAND COAL
LOCATION:
WELL: F.C. STATE COM #3
COMPANY: MESA OPERATING

COMPANY MESA OPERATING
WELL F.C. STATE COM #3
FIELD BASIN FRUITLAND COAL
COUNTY SAN JUAN STATE N.M.
RECEIVED

LOCATION
970' FSL . 1075' FWL
Sec. 36 Twp. 31-N Rge. 9-W

Other Services
JUL 27 1990
MAST UNIT
**MESA-MGR.
EXPLORATION**

Permanent datum GROUND LEVEL Elev. 5928'
Log Measured From K.B. 12' Above Perm. Datum
Drilling Measured From KELLY BUSHING

Elev.: K.B. 5940'
D.F. 5939'
C.L. 5928'

Date	7-17-90		
Run No.	ONE		
Depth-Driller	2650'		
Depth-Logger			
Btm Log Interval	1000'		
Top Log Interval	20'		
Type Log	TEMP/CCL		
Type Fluid in Hole	WATER		
Salinity PPM CL			
Density			
Level			
Max Rec. Temp.	95 DEGREES		
Operating Rig Time	1 HR.		
Recorded By	AUSTIN		
Witnessed By	MR. COOPER		
Job Tkt. No.	1467		

CASING RECORD				TUBING RECORD			
Size	Wgt	From	To	Size	Wgt	From	To
9 5/8"							
7"	23#	SURFACE	2400+/-				

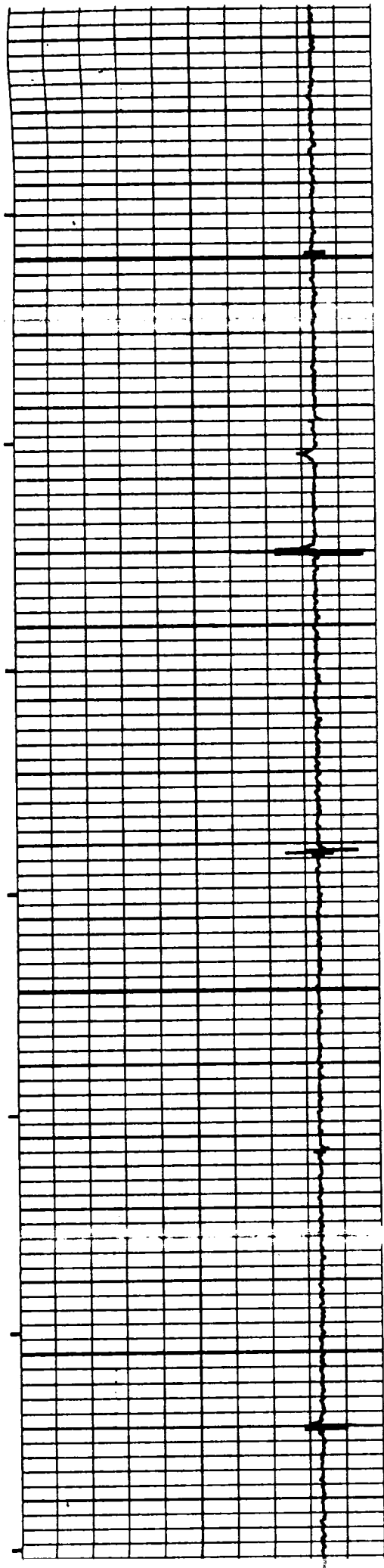
REFERENCE LITERATURE

REMARKS: LOG RUN TO DETERMINE TOP OF CEMENT OUTSIDE 7" CASING. LOG RUN APPROXIMATELY 12 HOURS AFTER COMPLETION OF CEMENT JOB
ESTIMATED CEMENT TOP AT 110'.....

NOTICE: All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by one of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

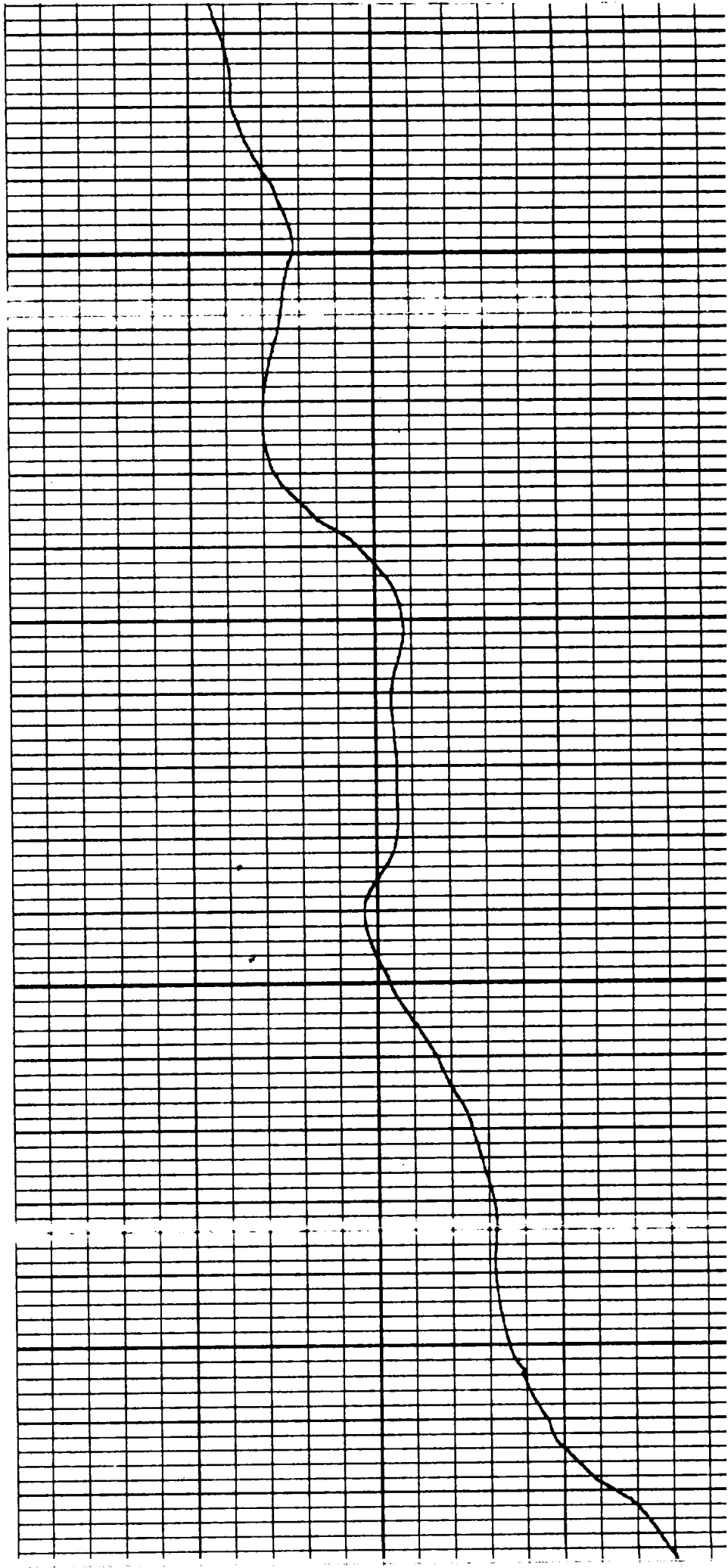
PETRO WIRELINE

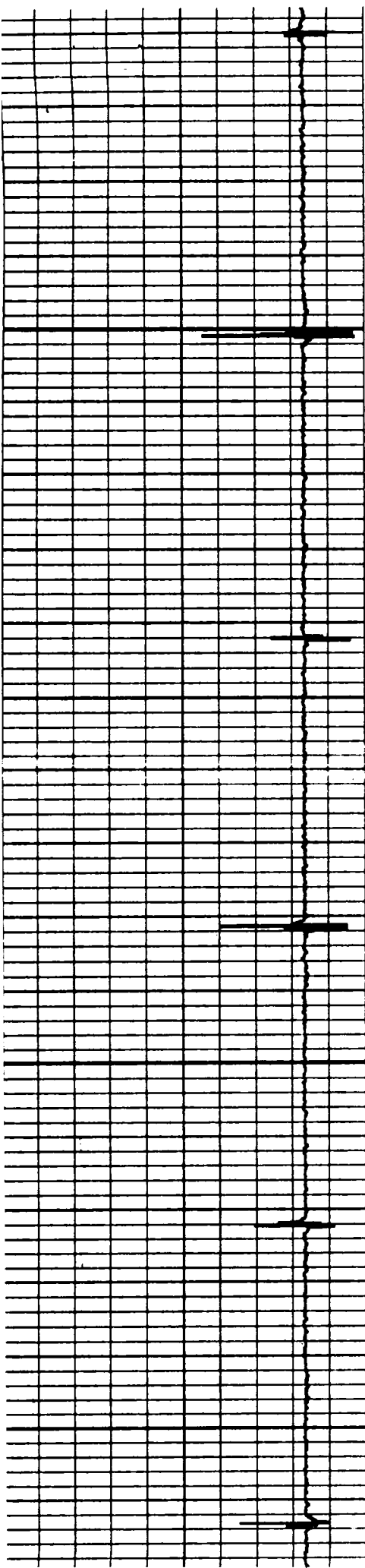
COLLAR LOCATOR		B 23	TEMPERATURE	
-180.0	Millivolts	20.0	90	DEGREES (FAHRENHEIT)
		Depths	70	
		5"/100'		
START: 16 FT			DATE: 07/17/90 TIME: 15:00	
[Grid]		100	[Grid]	



200

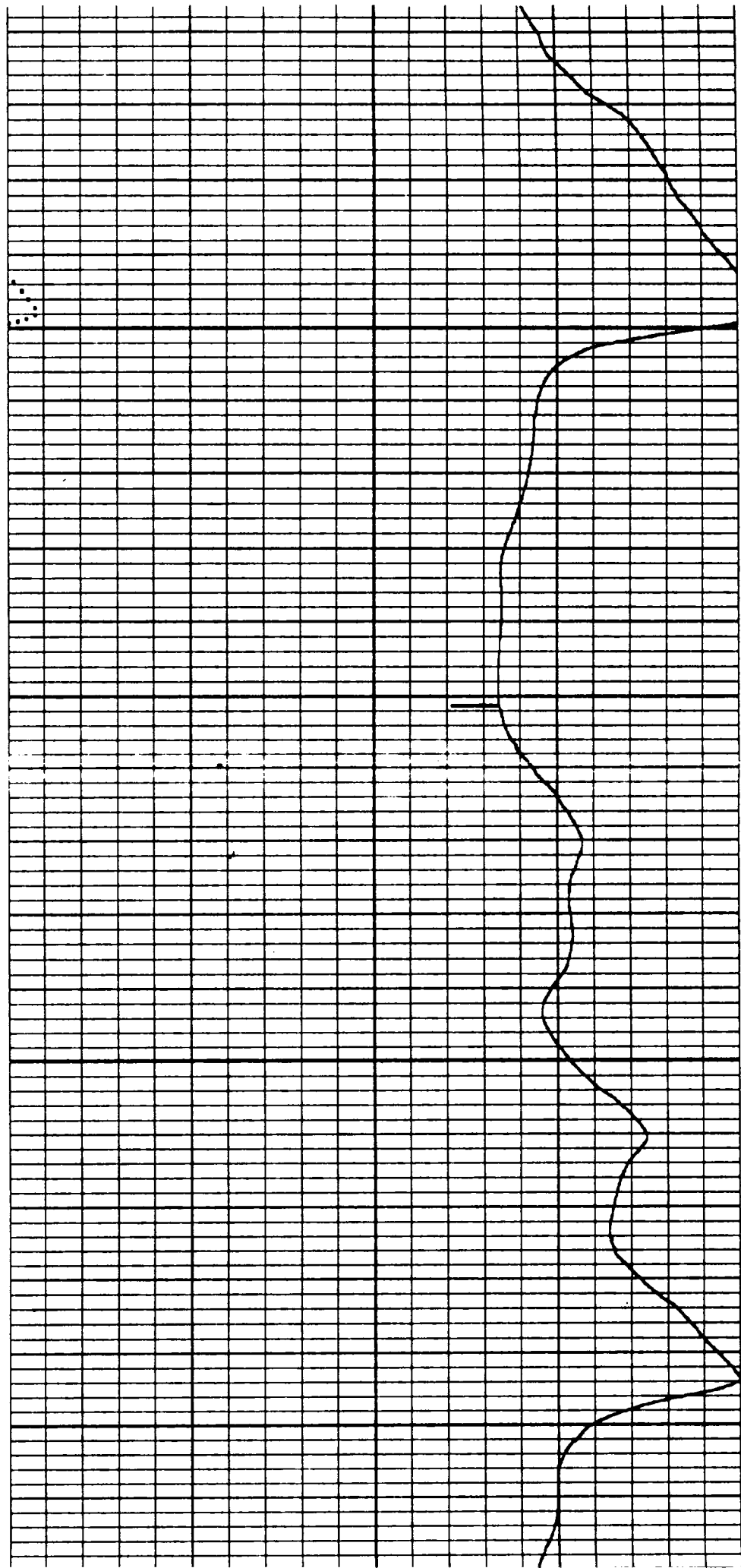
300





400

500



SAN JUAN OPERATIONAL UNIT
FC STATE COM #3; ESTIMATED TOC
ASSUMES 25% CEMENT LOST TO FORMATION

VOLUME (CUBIC FEET) = NUMBER SACKS * CUBIC FEET/S
AREA (SQ. FT.) = PI((HOLE SIZE/2)**2-(CASING SIZE/2)**2)/144
HEIGHT (FEET) = VOLUME (CU. FT.)/AREA (SQ. FT.) *.75 (SLURRY EFFICIENCY)
ESTIMATED TOC (FEET) = DEPTH (FEET) - HEIGHT (FEET)

I: SURFACE CASING:

SIZE: 9.625 "
HOLE: 12.250 "
GRADE: J-55
WEIGHT: 36.00 #/FT
DEPTH: 234 '
TOC: CIRC '
CEMENT: 150 SACKS
1.18 CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.313	424	
177.0			
TAIL			
0.0			(190)

IV: 2ND DV TOOL:

TOC: - '
CEMENT: - SACKS
- CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	0	0
0.0			
TAIL			
0.0			

III: 1ST DV TOOL:

TOC: - '
CEMENT: - SACKS
- CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	0	0
0.0			
TAIL			
0.0			

II: INTERMEDIATE OR PRODUCTION CASING:

SIZE: 7.000 "
HOLE: 8.750 "
GRADE: N-80
WEIGHT: 23.00 #/FT
DEPTH: 2,429 '
TOC: 110 '
CEMENT: 300 SACKS
1.18 CUFT/SX
100 SACKS
1.15 CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	2,339	90
354.0			
TAIL			
115.0			

NONE
TOL:

OPEN
HOLE

V V: PROD.
LINER:

SIZE: - "
HOLE: - "
GRADE: -
WEIGHT: - #/FT
DEPTH: - '
TOC: - '
CEMENT: - SACKS
- CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.000	ERR	ERR
0.0			
TAIL			
0.0			

2,734 '
2,734 '

PBTD
TD