

8-5-93

STATE COM I #5

SAN JUAN OU

CURRENT COMPLETION

SURFACE CASING

10 3/4" @ 224'

150 SACKS CEMENT

TOC: N/A

KB: 6511'

GLE: 6502'

PRODUCTION CASING

7", J-55, 20.0/23.0# @ 5048'

365 SACKS CEMENT

TOC: N/A

TUBING

2 3/8" @ 5654'

MESA VERDE

5146-5655'

LINER

5", J-55

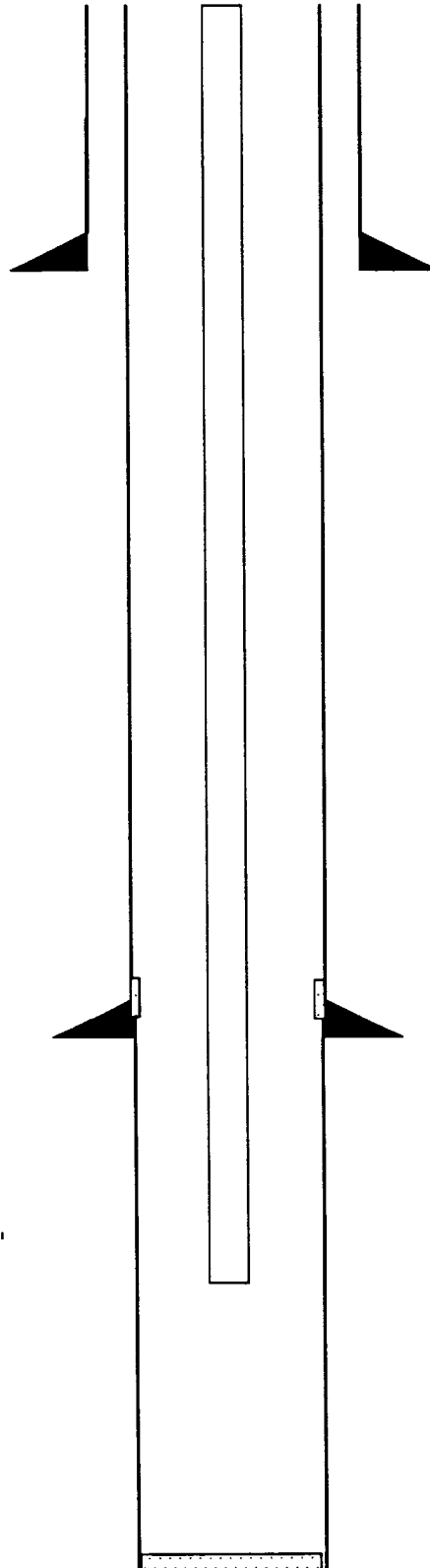
FROM 4900-5720'

210 SXS CEMENT & 110 CUFT

TOC: 5350' (TS)

PBTD: 5720'

TD: 5845'



NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY FURCO PETROLEUM CORPORATION 106 West Chicago, Astor, New Mexico
(Address)

LEASE State WELL NO. 9 UNIT H S 36 T 31N R 09
DATE WORK PERFORMED 8-11-58 to 9-3-58 POOL Blanco Mesa Verde

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☒ Remedial Work
☐ Plugging ☒ Other Run liner & cement

Detailed account of work done, nature and quantity of materials used and results obtained.
Pulled a 7/8" tubing cleaned well to 5700; ran 5" OD 15' liner & cemented w/100 regular cement, 110 cu.ft. slurry cement, 4 gal. 1 1/2" test plug per sack. Spurred top of liner w/100 regular, 1 1/2" test plug per sack tested to 5700; test OK.
Perforated Pothole Lockout, 1000' and 5115' down, using Jetco three-stage tool w/117,000 gals. water, 100,000' sand; ran a 3/8" OD tubing and put on production. Test after frac indicated 6,777 MCF w/1000 lbs through 3/8" heavy line.

FRAC DETAIL: Ft Lockout - - - 1540 lbs water, 50,000' 10-10 sand at 1100'
Mudstone - - - - 900 lbs water, 25,000' 10-10 sand at 900'
Ft. Lockout - - 1070 lbs water, 25,000' 10-10 sand at 1300'

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 6533 TD 5700 PBD 5700 Prod. Int. 5300-5600 Recempleted 9-3-58
Tbng. Dia 2 3/8 Tbng Depth 5600 Oil String Dia 5" liner Oil String Depth 5700
Perf Interval (s) 5115-52, 5145-52, & Jetco/Ft. 160 holes Mudstone 5300-6600, Ft. 120-5750-5
Open Hole Interval Producing Formation (s) Blanco Mesa Verde

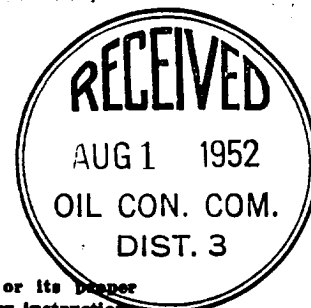
RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>Aug. 15</u>	
Oil Production, bbls. per day		
Gas Production, Mcf per day	<u>1040</u>	
Water Production, bbls. per day		
Gas-Oil Ratio, cu. ft. per bbl.		
Gas Well Potential, Mcf per day	<u>7440 - 6 hrs.</u>	<u>6077 - 24 hrs.</u>
Witnessed by: <u>H. L. Hollinger</u>	<u>FURCO PETROLEUM CORPORATION</u> (Company)	

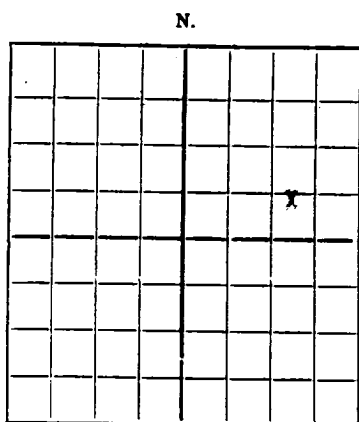
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its depository agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.



AREA 640 ACRES
LOCATE WELL CORRECTLY

Plano #5 State

Company or Operator Pubco Development, Inc. State N.M.

Well No. 5 in NE 1/4 of Sec. 36, T. 31N

R. 9W, N. M. P. M., Blanco Field, San Juan County.

Well is 1650 feet south of the North line and 990 feet west of the East line of Sec. 36

If State land the oil and gas lease is W-5317, N-10938, E-3555, B-11210, N-281

If patented land the owner is F-1641, F-3150 Address _____

If Government land the permittee is _____ Address _____

The Lessee is Pubco, El Paso Del Rio - El Paso Address _____

Drilling commenced 3-21 19 52 Drilling was completed 6-25 19 52

Name of drilling contractor Berman Drilling Co., Well, Inc. Address Farmington, N.M.

Elevation above sea level at top of casing 6,510 feet.

The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 5094 to 5196 No. 4, from _____ to _____

No. 2, from 5504 to 5724 No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.

No. 2, from _____ to _____ feet.

No. 3, from _____ to _____ feet.

No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
10 3/4	37		Nat.	224	Baker			
7	23		"		Baker			
7	20		"					
2 1/2				5622				

NUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/4	10 3/4	224	150	Halliburton		
9	7	5048	365	Halliburton		
6 1/2	2 1/2	5682				

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHUILL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
5' 5" x 4 1/4"	Metal	cellulified	1855	6-23-52	5114-5795	5810
4" x 7 1/4"		nitroglycerine				

Results of shooting or chemical treatment ~~Well cleaned itself well after shot, found a small~~
~~bridge at 5177~~

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from ~~surface~~ feet to ~~5048~~ feet, and from ~~5048~~ feet to ~~5845~~ feet. ^{gas rotary}
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing _____, 19____
The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
If gas well, cu. ft. per 24 hours ^{IP 6 hrs.} ~~7,440 MCF~~ Gallons gasoline per 1,000 cu. ft. of gas ~~no record~~
Rock pressure, lbs. per sq. in. ~~1020~~

EMPLOYEES

~~Benjo Holloway~~ Driller ~~Eugene Knowlton~~ Driller
~~L. A. Jones~~ Driller ~~R. L. Dunn~~ Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

8-1-52

Astec, N.M. Date
Name Charles S. Peters
Position Geologist
Representing Pubco Development, Inc.
Company or Operator.
Address Box 844, Astec, N.M.
Box 360 Albuquerque, N.M.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
2173	2936	813	Kirtland
2936	3336	350	Fruitland
3336	34107	74?	Pictured Cliffs
3410	5094	1684	Lewis
74	5196	102	Cliffhouse
5196	5544	348	Wanakee
5544	5726?	182	Point Lookout

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

#5

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 27, 1952

Date

Aztec, N.M.

Following is a report on the work done and the results obtained under the heading noted above at the

Pubco Development Inc.

State

Well No. 5 in the

NE 1/4

of Sec

36

T

31N

R

9W

N. M. P. M.

Blanco

Pool

San Juan

County.

The dates of this work were as follows:

6-23-52

Notice of intention to do the work was (was not) submitted on Form C-102 on March 15, 1952, and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Shot from 5114 to 5795 with 1855 qts. of solidified nitroglycerine.
Well cleaned itself good after shot.
Natural gauge 200MCF.

Witnessed by Charles S. Peters Pubco Development Inc. Geologist

APPROVED:
OIL CONSERVATION COMMISSION

Oil and Gas Inspector Dist. #3.

JUN 30 1952

Date

I hereby swear or affirm that the information given above is true and correct.

Name

Charles S. Peters

Position

Geologist

Representing

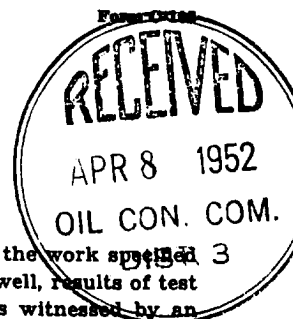
Pubco Development Inc.

Address

Box 844 Aztec, N.M.

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

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REPORT ON BEGINNING DRILLING OPERATIONS	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		Cementing Casing	☒

March 1952

Aztec, New Mexico

Date

Place

Following is a report on the work done and the results obtained under the heading noted above at the

Pubco Development Inc.

State

Well No. 5

in the

Company or Operator

Lease

NE $\frac{1}{4}$

of Sec. 36

T. 31 N

R. 9 W

N. M. P. M.,

Blanco

Pool

San Juan

County.

The dates of this work were as follows: 3/21/52 3/22/52

Notice of intention to do the work was (was not) submitted on Form C-102 on 19 52 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Soud 3/21/52

Surface casing at 224 with 150 sacks

Witnessed by Dave Evans

Name

Denman Drilling Co.

Company

Tool Pusher

Title

APPROVED:

OIL CONSERVATION COMMISSION

Al Green

Name

Oil and Gas Inspector Dist. #3.

Title

APR 8 1952

Date

I hereby swear or affirm that the information given above is true and correct.

Name

Charles S. Sitter

Position

Geologist

Representing

Pubco Development Inc.

Company or Operator

Address Box 504

Aztec, N. M.

all
#2 of 2

B. & R. SERVICE, INC.

NOT RECORDED
WELL FILE

TEMPERATURE SURVEY

COMPANY PUBCO PETROLEUM CORPORATION

WELL STATE # 5

FIELD

COUNTY SAN JUAN

STATE

NEW MEXICO

SEC.

TWP.

RGE.

APPROX. TOP CEMENT

5350'

Survey Begins at 4500

Ft. Ends at

5648

Ft.

Approx. Fill-Up

Max. Temp.

156° @ 5648'

Log Measured From

R.I.

Run No.

ONE

Casing Size	Casing Depth	Diam of Hole	Depth
<u>5" from 4900' to 5720'</u>		<u>6 1/4" from</u>	<u>to</u>
<u>from</u>	<u>to</u>	<u>from</u>	<u>to</u>

Date of Cementing AUGUST 30, 1958 Time 9:45 A.M.

Date of Survey AUGUST 30, 1958 Time 5:00 P.M.

Amount of Cement 110 SACKS Type REGULAR

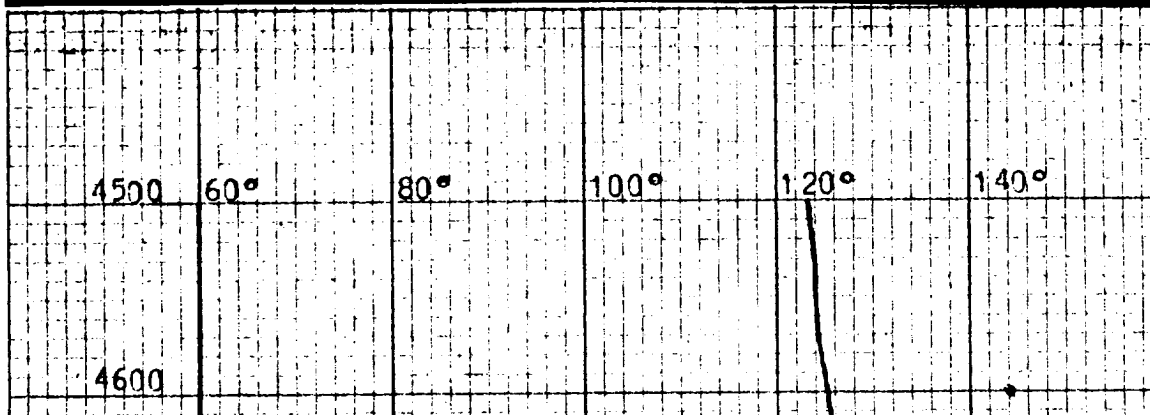
Amount of Admix 6% GEL Type

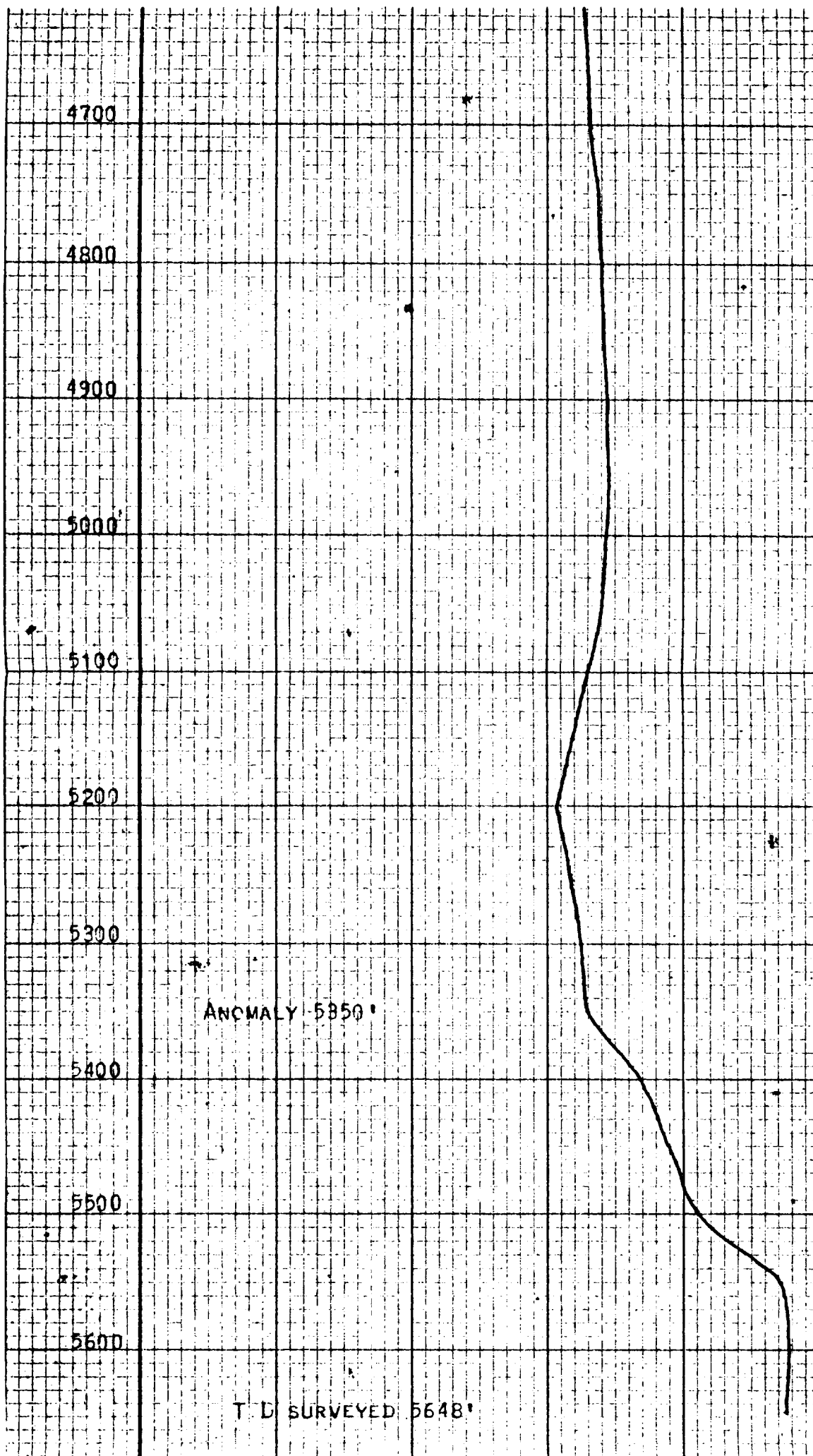
Recorded by GLASSER Witnessed by GCRMLEY

REMARKS OR OTHER DATA

5" LINER HUNG FROM 4900' TO 5720'

TEMPERATURE IN DEGREES FAHRENHEIT





SAN JUAN OPERATIONAL UNIT
STATE COM I #5; 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: 10.750 "
HOLE: 13.750 "
GRADE: J-55
WEIGHT: 37.00 #/FT
DEPTH: 224 '
TOC: N/A '
CEMENT: 150 SACKS
EST. 1.18 CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.401	331	
177.0			
TAIL			
0.0			(107)

NONE
2ND DV
TOOL

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			

NONE
1ST DV
TOOL

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			

4,900
TOL:
SQUEEZE
TOL WITH
100 SXS

II: INTERMEDIATE OR PRODUCTION CASING:

SIZE: 7.000 "
HOLE: 8.750 "
GRADE: J-55
WEIGHT: 20.0/23.0 #/FT
DEPTH: 5,048 '
TOC: N/A '
CEMENT: 365 SACKS
EST. 1.18 CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.150	2,148	2,900
430.7			
TAIL			
0.0			

V V: PROD.
LINER:

SIZE: 5.000 "
HOLE: 6.250 "
GRADE: J-55
WEIGHT: N/A #/FT
DEPTH: 5,720 '
TOC: 5,350 '
CEMENT: 110 SACKS
EST. 1.18 CUFT/SX
- SACKS
- CUFT/SX

VOLUME CU. FT.	AREA SQ. FT.	HEIGHT FEET	EST. TOC FEET
LEAD	0.077	1,269	4,451
129.8			
TAIL			
0.0			

N/A '
5,845 '
PBTB
TD