

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL PLUGGING APPLICATION

Please TYPE Form and File ONE Copy

Form CP-1
September 2003
This Form must be Typed
Form must be Signed
All blanks must be Filled

API # 15-185-30098-20-00 (Identifier Number of this well). This must be listed for wells drilled since 1967; if no API # was issued,

indicate original spud or completion date Comp. 8-19-65

Well Operator: Zenith Drilling corporation KCC License #: 5141 6/05
(Owner / Company Name) (Operator's)

Address: P.O. Box 780428 City: Wichita

State: Kansas Zip Code: 67278-0428 Contact Phone: (316) 684-9777

Lease: Grow Well #: 2 Sec. 21 Twp. 21 S. R. 12 East West

NE - SE - SW Spot Location / QQQQ County: Stafford

990 Feet (in exact footage) From North / South (from nearest outside section corner) Line of Section (Not Lease Line)

1650 Feet (in exact footage) From East / West (from nearest outside section corner) Line of Section (Not Lease Line)

Check One: Oil Well Gas Well D&A Cathodic Water Supply Well
 SWD Docket # _____ ENHR Docket # _____ Other: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

Surface Casing Size: 8-5/8" Set at: 278 Cemented with: 250 Sacks

Production Casing Size: 5-1/2" Set at: 3667 Cemented with: 175 Sacks

List (ALL) Perforations and Bridgeplug Sets: Perfs: 3570-82, 3593-97, 3586-90, 3630-30

Elevation: 1854 (G.L. / K.B.) T.D.: 3668 PBTD: 3648 Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Casing Leak Junk in Hole

Proposed Method of Plugging (attach a separate page if additional space is needed):

According to the rules and regulations of the State of Kansas.

Is Well Log attached to this application as required? Yes No Is ACO-1 filed? Yes No

If not explain why? _____

RECEIVED

FEB 28 2005

KCC WICHITA

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission.

List Name of Company Representative authorized to be in charge of plugging operations:

Bill Hazlip

Phone: (620) 546-3159 (cell)

Address: P.O. Box 820 City / State: Oilton, OK. 74052

Plugging Contractor: Mike's Testing & Salvage, Inc. KCC License #: 31529 9/05
(Company Name) (Contractor's)

Address: P.O. Box 467 Chase, Kansas 67524 Phone: (620) 938-2943

Proposed Date and Hour of Plugging (if known?): ASAP

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Date: 2-25-05 Authorized Operator / Agent: Irene Nyberg
(Signature)

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

INDIVIDUAL WELL DATA

Lease GROW Well No. 2 Location NW SE SW Pool Muebler
 Sec. 21 Twp. 21 Rng. 12 County Stafford State Kansas
 Elevation - KB 1859 Permanent Elev. Bradenshead to KB Fe. in
 Surface casing 274 ft 8-5/8 w/250 sx Oil String 5 1/2 @ 3667 w/175 sx
 Producing Zone Arbuckle Perforations 3620 - 30:

FORMATION	DEPTH	DATE	DRILL TEST TESTS
Anhydrite	661	7-11-98	DST No. 1@ 3385 to 3420: Open 1 Hr. Rec. 5 ft and SIPP0-0
Shale	3123	- 1264	BST No. 2: 3567 to 3585: Open 1 Hr. Rec. Gas in 11 min. 1595 ft gassy oil FP 850# - 560#
Shale	3255	- 1396	SIPP500# - 930#
Shale - Arb. City	3271	- 1412	DST No. 3: 3585 to 3605: Open 1 hr. Rec. gas in 36 min. 1765 ft gassy oil, FP 105 - 675#
Shale - Arb. City	3489	- 1630	SIP 1095 to 1070#
Shale			DST No. 4: 3605 to 3625: Open 1 hr. Gas in 21min 2270 ft gassy oil, BP 150 - 780# SIP 1100-1015
Shale			DST No. 5: 3625 to 3645: Open 1 Hr. 525 ft gas 1200 ft gassy oil, 1080 ft oil cut water, 240 ft water, FP 570 - 980# SIP 1070 - 1005#
Shale	3495	- 1636	
Shale	3510	- 1651	
Shale	3565	- 1706	
Total Depth	3668	- 1809	
Plug Back	3648		RECOMMENDATIONS Acidize Arb and Perf. 3615 - 20; 3600 - 10; 3586 to 3598; 3570 - 82;

COMPLETION

Moved in and perf 3620 to 3630 with 4 shots per ft. Swab hole down. 1500 ft oil in hole in 12 hrs. Bailed and cleaned up hole 2200 ft oil in hole in 24 hrs. 3100 ft oil in hole 36 hrs. 1/2 hr swab test 2500 ft off bottom. 6.98; 6.98; 5.49; 3.95; 3.95 4.00 Bbbls no water. Run Tubing and rods P.O.P. (8-11-65)
WORKOVER: (3-24-66) Acidized perf 3620 - 30 with 2000 gal jelled retarded acid. Max pressure 750 lbs broke to and fed 20 GPM at 550 lbs. Pressure drops 500 lb in 1 min 275 lbs in 5 min on vacuum in 16 min. let acid set 12 hrs and POP no tests.
WORKOVER: (5-4-66) Rigged up pulled rods and tubing and perforated 2 shots per foot. 3586 - 90 3595 - 97; 3600 - 06; 2400 ft oil in hole in 12 hrs. (500 ft increase) Acidized with 500 gal 20% intensified and 2500 gal chemically retarded acid from 3586 to 90 & 3595 to 97; zone 3600 - 06 channeled. Pulled tubing and Model R packer and swabbed load Swabbed 36 BOPH for 2 hrs 300 ft off bottom P.O.P. (5-4-66)
WORKOVER (10-12-67) Abrasive jet @ 3573. Blew hole in tubing. Set plug @ 3616'. Started out again & blew hole in tubing. Ran Model "R" packer @ 3575'. Plugged @ 1000# of plugging material. Acidize w/500 gal 28% and 2500 gal CR-15 1-3/4 BPM @ 500#. Swab down casing. 7 1/2 BF. 30 min pull was 3.30 BO, no water. 150' fluid in hole overnite. 1/2-hr swab tests: 3.30 BO, the balance of tests were 50% water. 2RF 2 3 1 1 1 1 1 1 1/2 1 1/2. Drove plugs to bottom. 1/2-hr swab test: 1 Bbl, 3, 3, 3, 50% water. 150' fluid in hole overnite. Ran tubing and rods.

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WELEX

FRACTURE FINDER MICRO - SEISMOGRAM

COMPANY CIRCLE OIL CO., INC.
 WELL GROW # 2
 FIELD MUELLER POOL
 County STAFFORD State KANSAS

COMPANY CIRCLE OIL COMPANY, INCORPORATED
 WELL GROW # 2
 FIELD MUELLER POOL
 COUNTY STAFFORD STATE KANSAS

Location NW-SE-SW Other Services: RAD. GUARD
 Sec. 21 Twp 21S Rge 12W

Permanent Datum GROUND LEVEL Elev. 1854' Elev.: K.B. 1859'
 Log Measured From KELLY BUSHING Ft. Above Perm. Datum D.F. 1856'
 Drilling Measured From KELLY BUSHING GI 1854'

Date	8-2-65				
Run No.	ONE				
Depth-Driller	3665'				
Depth-Welex	3668'				
Btm. Log Inter.	3661'				
Top Log Inter.	3200'				
Casing-Driller	8-5/8" @ 275'	@	@	@	@
Casing-Welex	8-5/8" @ 275'				
Bit Size	7-7/8"				
Type Fluid in Hole	SALT GEL				
Dens. Visc.	10.0 48.0				
pH Fluid Loss	6.4 16 ml		ml	ml	ml
Source of Sample	FLO LINE				
R _m @ Meas. Temp.	.123 @ 84 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	.095 @ 84 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	.174 @ 84 °F	@	°F	@	°F
Source R _{mf} R _{mc}	MEAS.				
R _m @ BHT	.09 @ 105 °F	@	°F	@	°F
Time Since Circ.	1/2 HOUR				
Max. Rec. Temp.	105 °F @ TD	°F @	°F @	°F @	°F @
Equip. Location	6870 GT. BD.				

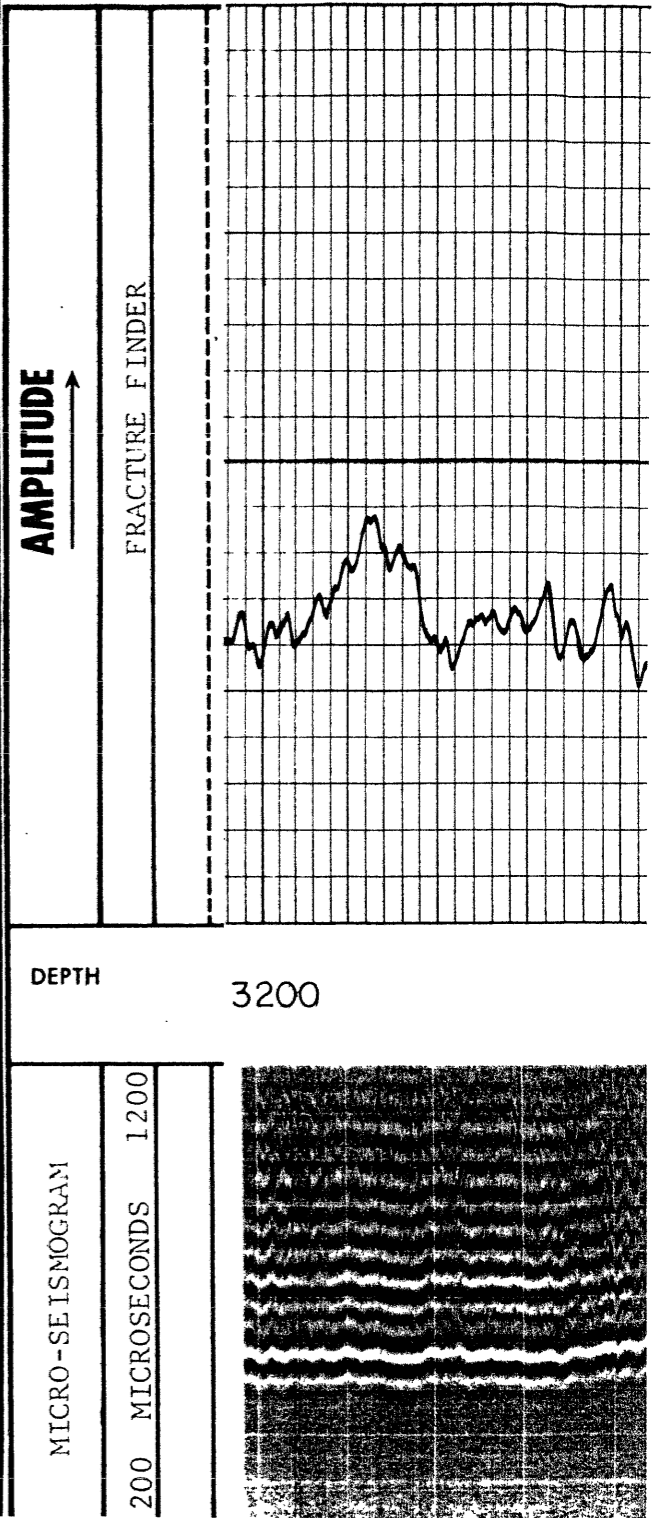
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 KCC WICHITA

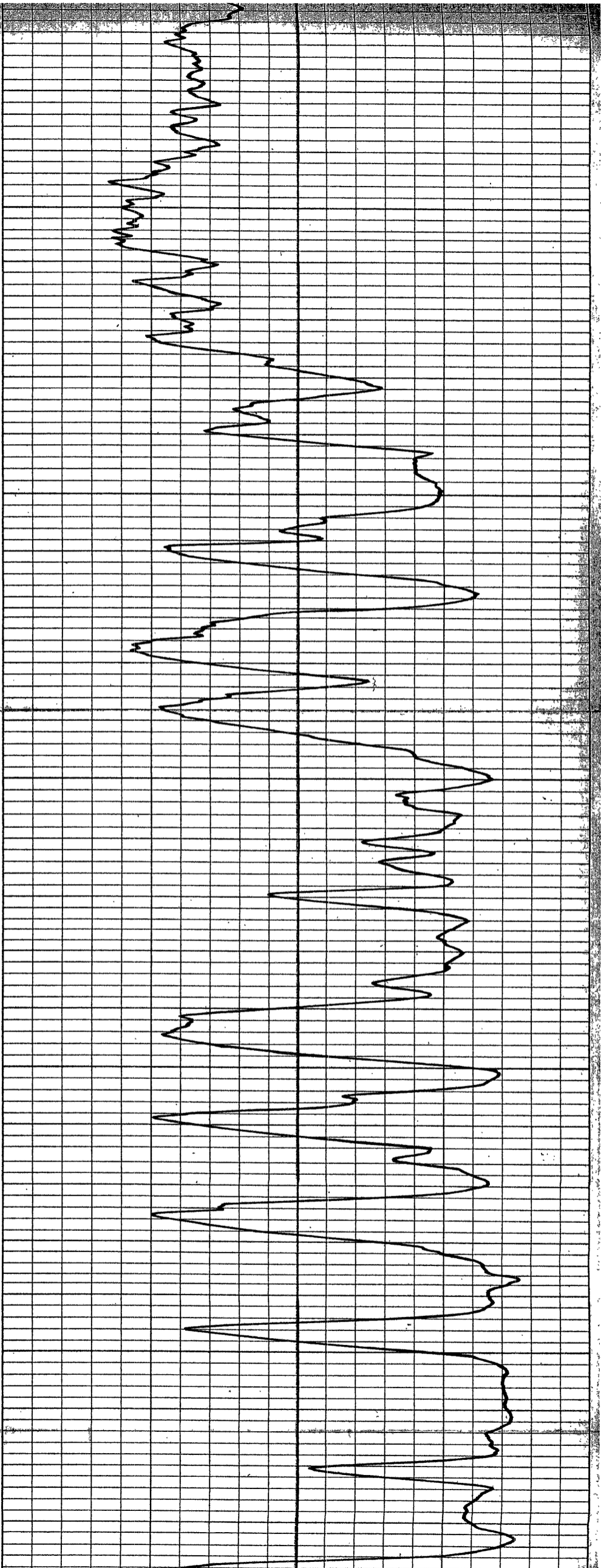
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MARKS

Type Log	Depth	SCALE CHANGES		Tool Type and No.	EQUIPMENT DATA	
		Scale Up Hole	Scale Down Hole		Pad Type	Tool Position
FRC FINDER		NO CHANGE		10934	GENT.	Other
				TYPE 24		

TICKET # 59429





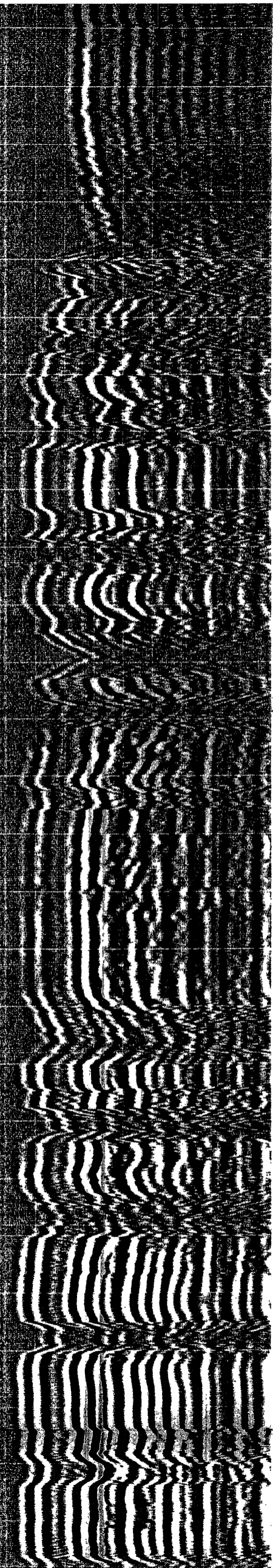
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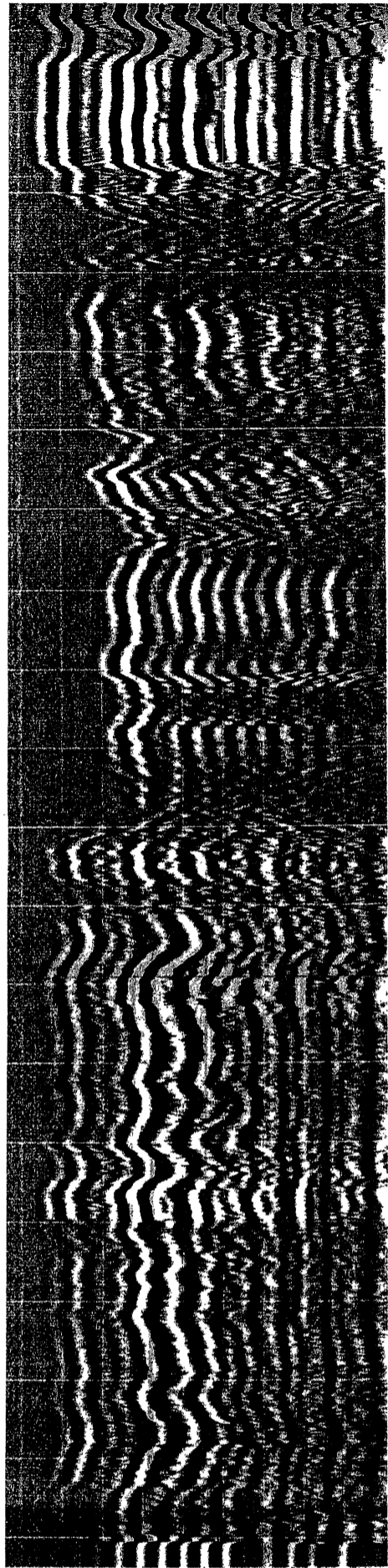
3300

3350

3400

3450



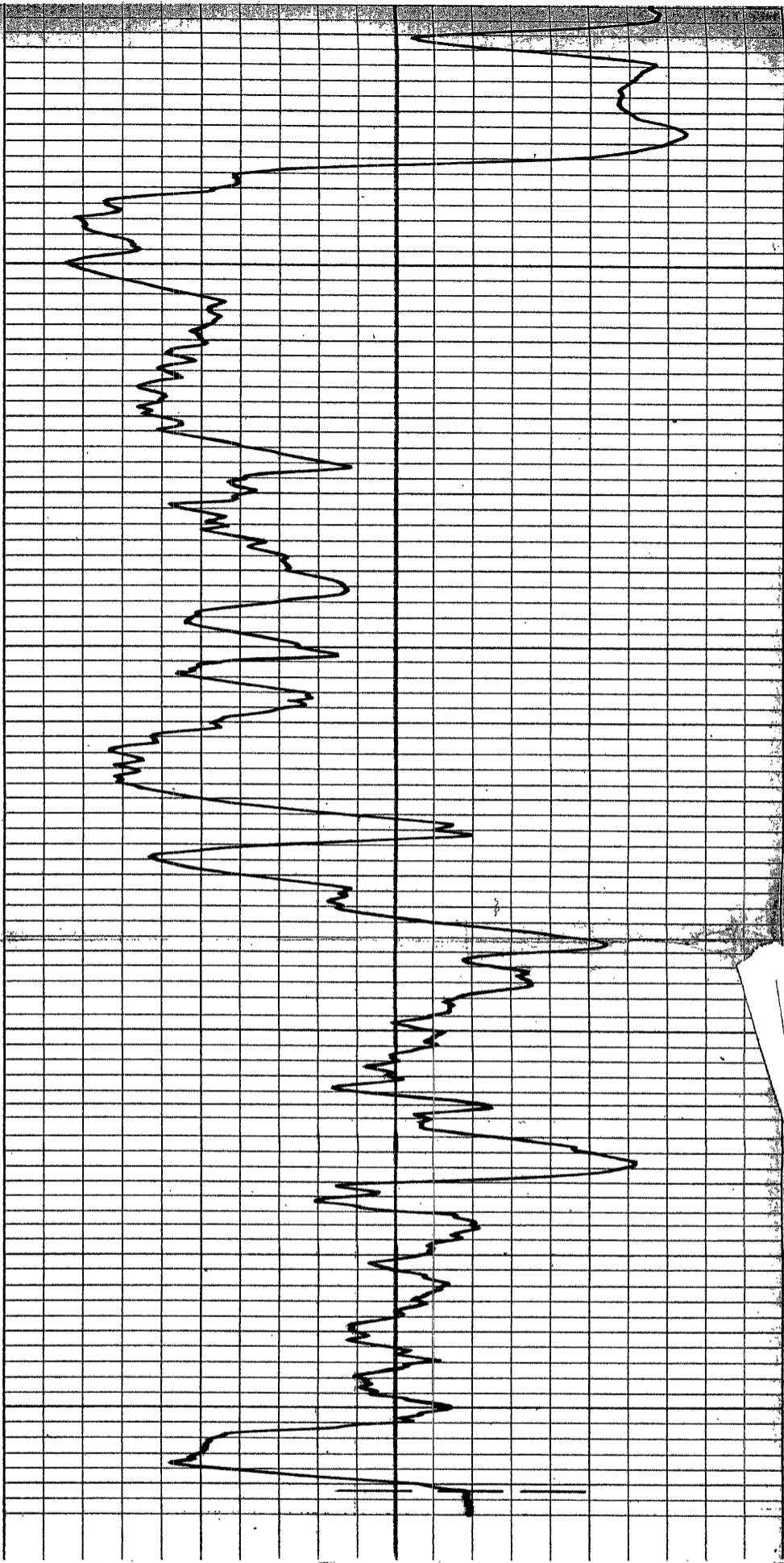


3500

3550

3600

3650



100 MICROSECONDS 1200

MICRO-SEISMOGRAM

FRACTURE FINDER

AMPLITUDE
→

CIRCLE OIL COMPANY, INC.
GROW # 2
MUELLER POOL
STAFFORD COUNTY, KANSAS
SEC. 21-21S-12W

T.D. LOGGED	3661'
T.D. DRILLER	3665'
T.D. WELEX	3668'
K.B. ELEV.	1859'
G.L. ELEV.	1854'

CHECK DEPTH

3650'

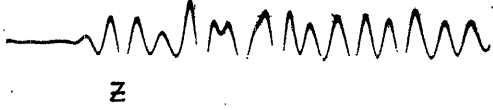


CIRCLE OIL COMPANY, INC.
GROW # 2
MUELLER POOL
STAFFORD COUNTY, KANSAS
SEC. 21-21S-12W

T.D. LOGGED 3661'
T.D. DRILLER 3665'
T.D. WELEX 3668'
K.B. ELEV. 1859'
G.L. ELEV. 1854'

CHECK DEPTH

3650'



KANSAS

CORPORATION COMMISSION

Kathleen Sebelius, Governor Brian J. Moline, Chair Robert E. Krehbiel, Commissioner Michael C. Moffet, Commissioner

NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION (CP-1)

Zenith Drilling Corporation
PO Box 780428
Wichita, KS 67278-0428

March 01, 2005

Re: GROW #2
API 15-185-30098-00-00
NWSESW 21-21S-12W, 990 FSL 1650 FWL
STAFFORD COUNTY, KANSAS

Dear Operator:

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging.

Please contact the district office for approval of your proposed plugging method at least five (5) days before plugging the well, pursuant to K.A.R. 82-3-113 (b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit.

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well.

This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.

District: #1
210 E Frontview, Suite A
Dodge City, KS 67801
(620) 225-8888

Sincerely



David P. Williams
Production Supervisor