MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☒ OR GAS WELL

NAME OF COMPANY OR OPERATOR: PENSE BROTHERS DRILLING CO., INC.

DATE: SUPPLEMENTAL TO 10/18/95 DEVELOPMENTAL APP.

ADDRESS: Box 551, 800 NEWBERRY STREET | CITY: FREDERICKTOWN | STATE: MO | ZIP CODE: 63645

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: HENSINGER | WELL NUMBER: #7 | ELEVATION (GROUND): 963' (TOPO)

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE): 2550± FT. FROM (N) SECTION LINE 2190± FEET FROM (E) SECTION LINE

WELL LOCATION	SECTION	TOWNSHIP	RANGE	COUNTY
NE/4	5	44N	33W	CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 600± FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE 323.6± FEET

PROPOSED DEPTH: 300' | DRILLING CONTRACTOR, NAME AND ADDRESS: PENSE BROS. DRLG. CO., INC, Box 551, FREDERICKTOWN, MO 63645 | ROTARY OR CABLE TOOLS: ROTARY (AIR) | APPROX. DATE WORK WILL START: ON PERMIT

NUMBER OF ACRES IN LEASE: 192.22

NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7

NUMBER OF ABANDONED WELLS ON LEASE 2

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME / ADDRESS: N/A

NO. OF WELLS: PRODUCING / INJECTION / INACTIVE 4 / ABANDONED 2

STATUS OF BOND: ☐ SINGLE WELL AMOUNT $ | ☒ BLANKET BOND AMOUNT $20,000.00 | ☒ ON FILE ☐ ATTACHED

REMARKS (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

N/A

PROPOSED CASING PROGRAM				APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
50'	7"	19.5 LB.	TO SURF.	approved as proposed			
TD TO SURF.	4½"	10.5 LB.	TO SURF.				

I, the undersigned, state that I am the ASS'T. V.P. of the PENSE BROS. DRLG. CO., INC. (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: B E Blancett By: B.E. BLANCETT PENSE BROS. DRLG. CO., INC. DATE 12/13/95

PERMIT NUMBER: 20602

APPROVAL DATE: 10/18/95

APPROVED BY: James Holly Williams HWB

☑ DRILLER'S LOG REQUIRED ☑ E-LOGS REQUIRED IF RUN
☑ CORE ANALYSIS REQUIRED IF RUN ☑ DRILL STEM TEST INFO REQUIRED IF RUN
☐ SAMPLES REQUIRED
☐ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT

NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE | DATE

MO 780-0211 (2-88) REMIT TWO COPIES TO: MISSOURI OIL AND GAS COUNCIL, P.O. BOX 250, ROLLA, MO 65401

RECEIVED FEB 0 2 1996

RECEIVED FEB 0 2 1996 Oil & Gas Council

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER: PENSE BROTHERS DRILLING CO., INC.	ADDRESS: BOX 551, FREDERICKTOWN, MO 63645
LEASE NAME: HONSINGER	WELL NUMBER: #7
LOCATION: LOT 1 OF NE/4	SEC. TWP. AND RANGE OR BLOCK AND SURVEY: 5-43N-33W
COUNTY: CASS	PERMIT NUMBER (OGC-3 ~~OR OGC-3W~~): 20602

DATE SPUDDED	DATE TOTAL DEPTH REACHED	DATE COMPLETED READY TO PRODUCE OR INJECT	ELEVATION (DF, RKR, RT, OR Gr.) FEET	ELEVATION OF CASING HD FLANGE FEET
10/19/95	10/20/95	12/22/95	963 Gr (TOPO)	964.5

TOTAL DEPTH	PLUG BACK TOTAL DEPTH
305'	N/A

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION	ROTARY TOOLS USED (INTERVAL)	CABLE TOOLS USED (INTERVAL)
255' TO 265'	0' TO T.D. DRILLING FLUID USED	N/A

WAS THIS WELL DIRECTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY MADE?	WAS COPY OF DIRECTIONAL SURVEY FILED?	DATE FILED
N/A	N/A	N/A	N/A

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): GAMMA RAY - NEUTRON LOG ONLY MECHANICAL LOG — DATE FILED: 1/28/96

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
SURF. CSG.	9 5/8"	7"	19.5	51'04"	6	NIL
PROD. CSG.	6 1/4"	4 1/2"	10.5	303'	45	NIL

TUBING RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE
2 3/8 IN.	265 FEET	N/A FEET	N/A INCH

LINER RECORD

TOP	BOTTOM	SACKS CEMENT	SCREEN
N/A FEET	N/A FEET	N/A	N/A FEET

PERFORATION RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL
2	3 1/8" DENSI JET X-HSC	255'-265'

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
600 GAL 15% HCl; 4 GAL ESAN 34; 10 GAL ESA 35; 300 LBS FRAC GEL; 5000 LBS 10/20 + 8/12 SAND	255'-265'

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION	PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP
12/22/25	PUMPING & FLOWING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
12/22/25	24	N/A	15 bbls.	Est. 3 MCF	5 bbls	33.7 API (CORR.)

TUBING PRESSURE	CASING PRESSURE	CALC'TED RATE OF PRODUCTION PER 24 HOURS	OIL	GAS	WATER	GAS OIL RATIO
13 LBS	69 LBS	15 BBLS OIL	15 bbls.	3 MCF	5 bbls.	200-1

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD): VENTED - WELL SHUT IN PENDING GATHERING & PROCESSING FACILITIES

METHOD OF DISPOSAL OF MUD PIT CONTENTS: DRILLED WITH AIR ROTARY RIG - CUTTINGS ONLY IN PIT - OVERFILLED WITH TOPSOIL & RESEEDED.

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE ASS'T. V.P. OF THE PENSE BROS DRLG. CO., INC. COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	SIGNATURE
1/28/96	B E Blancett — PENSE BROS. DRLG. CO., INC. BY: B. E. BLANCETT, ASS't V.P.

MO 780-0215 (1-86) (Rev. 1-86)

HONSINGER # 7 - PENSE BROS. DRLG. CO. INC.
PERMIT # 20602

EL : 963 Gr (TOPO) SPUDDED : 10/19/95
SURF. CSG.: 51'04" T. D. : 10/20/95

0 - 10 TOPSOIL TO CLAY
10-14 LIMESTONE, SANDY, WHITE TO BUFF
14-29 SHALE, SANDY, CALCAREOUS, GREY TO BLUISH GREY
29-60 LIMESTONE, BUFF TO TAN, DENSE.
60-68 SHALE & CONGLOMERATE, SLIGHT COAL SHOW
68-89 LIMESTONE, DENSE, TAN TO LIGHT BROWN TO BUFF
89-95 SHALE & CONGLOMERATE, SLIGHT COAL SHOW
95-110 LIMESTONE (w) SLIGHT SHALE STRIATIONS
110-250 SHALE, GREY TO DARK GREY
250-253 SHALE & CONGLOMERATE, DARK GREY TO BLACK
253-260 SANDSTONE, TAN TO BROWN, ROUNDED TO SUBROUNDED, GOOD POROSITY, FLUOYESCENCE & CUT. FREE OIL TO PIT IN ABUNDANT QUANTITY, CALCAREOUS.
260-272 SANDSTONE, SUBROUNDED TO ANGULAR, (w) SILTSTONE STRIATIONS, CALCAREOUS, SLIGHT POROSITY.
272-305 SHALE, GREY TO BLUE-GREY, CALCAREOUS
T.D. 305

RECEIVED
FEB 02 1996
OHIO Oil & Gas Counc

W. C. LETHCHO
COUNTY ENGINEER & SURVEYOR
Bates County Court House
BUTLER, MO. 64730
Phone 679-4031

NORTH

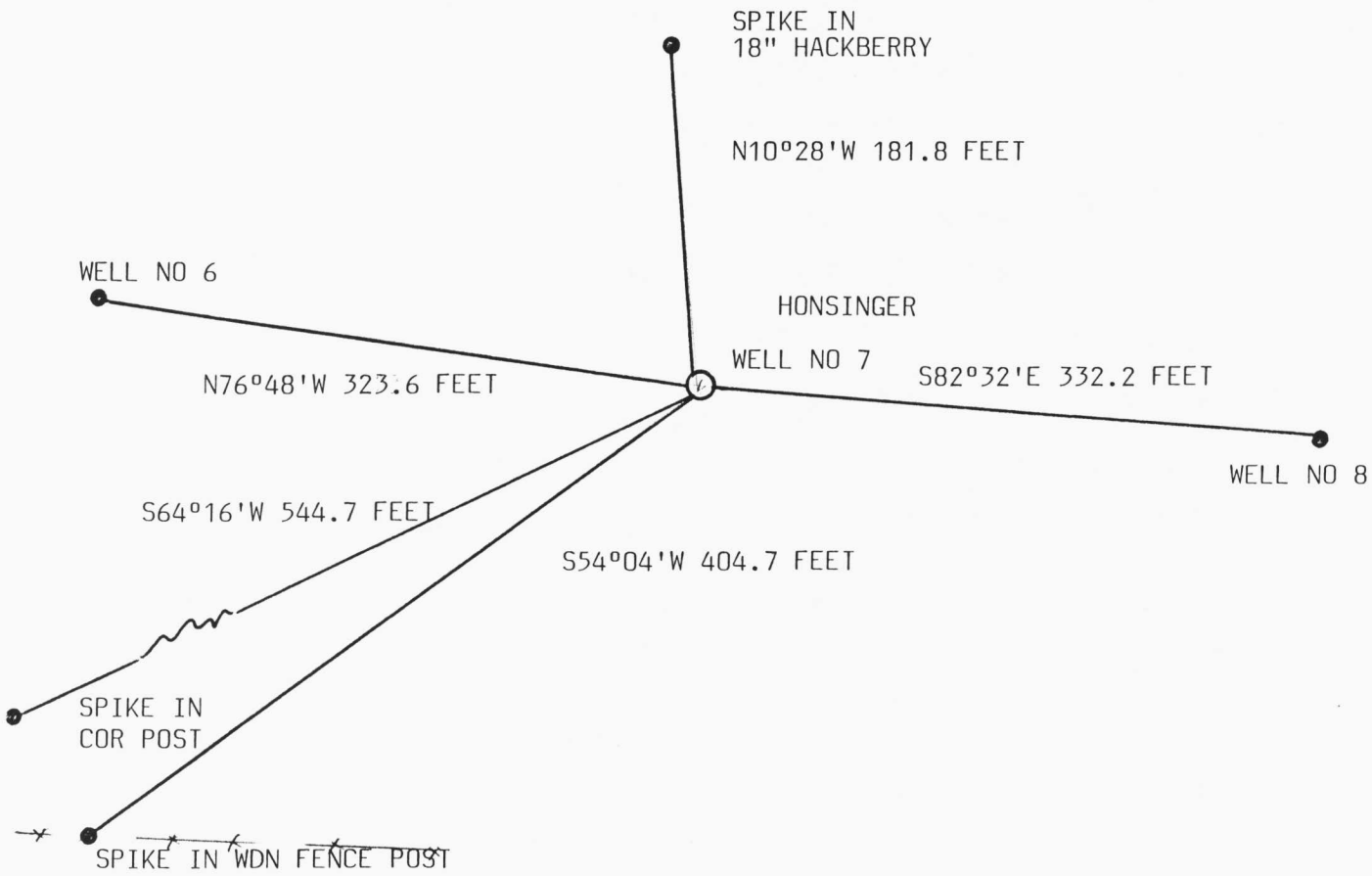
11-28-95 WELL REFERENCE TIES IN THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 44 NORTH, RANGE 33 WEST OF THE 5TH PRINCIPAL MERIDIAN IN CASS COUNTY MISSOURI.

FOR: PENSE BROTHERS DRILLING CO. INC.
ADRIAN, MO. 64720

816-297-4433 SHEET 1 OF 2

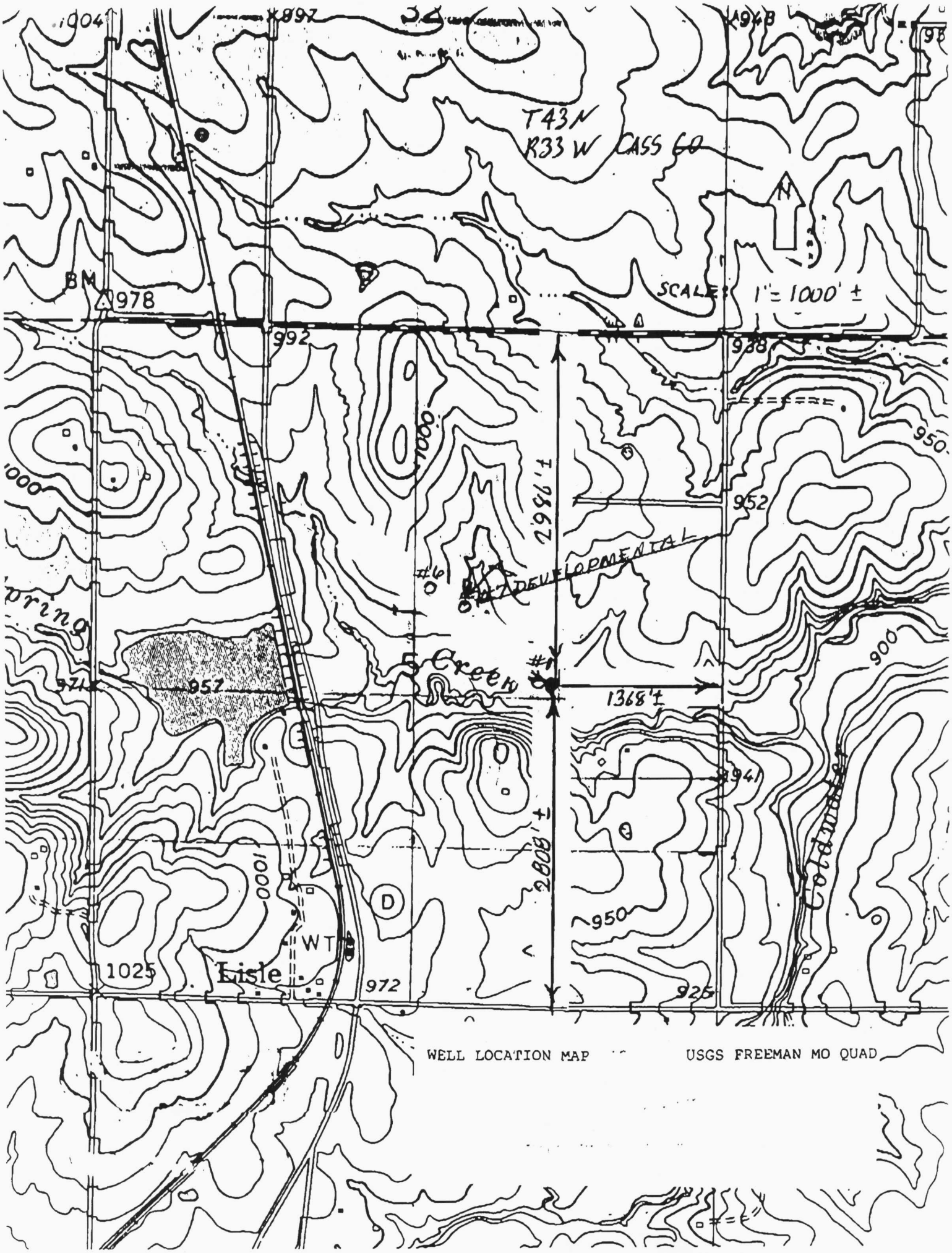
1"=100'

MAG BRGS 8° EAST DECL



REFERENCED IN ACCORDANCE WITH CURRENT MINIMUM STANDARDS.

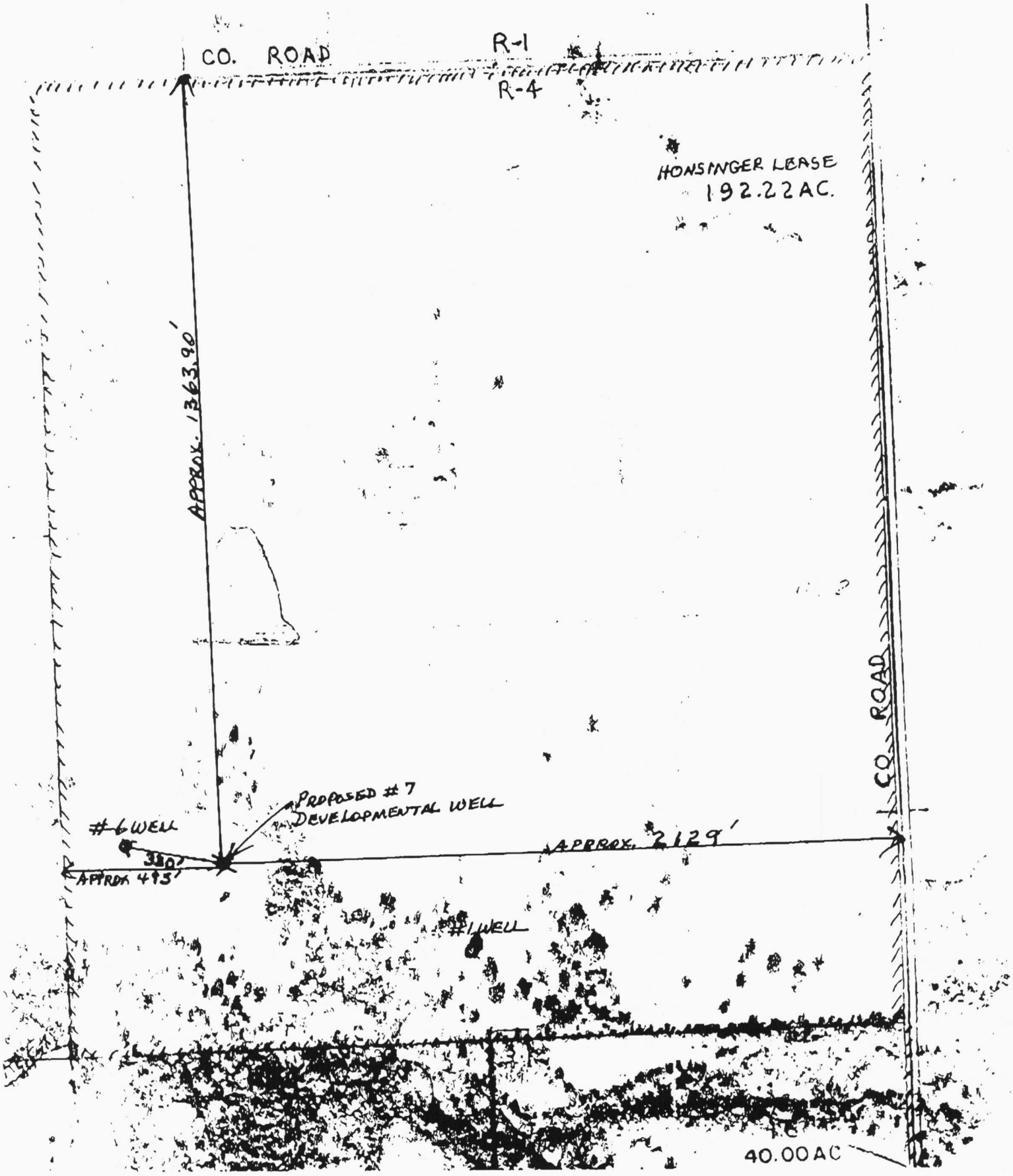
WILLIAM C. LETHCHO LS-1539

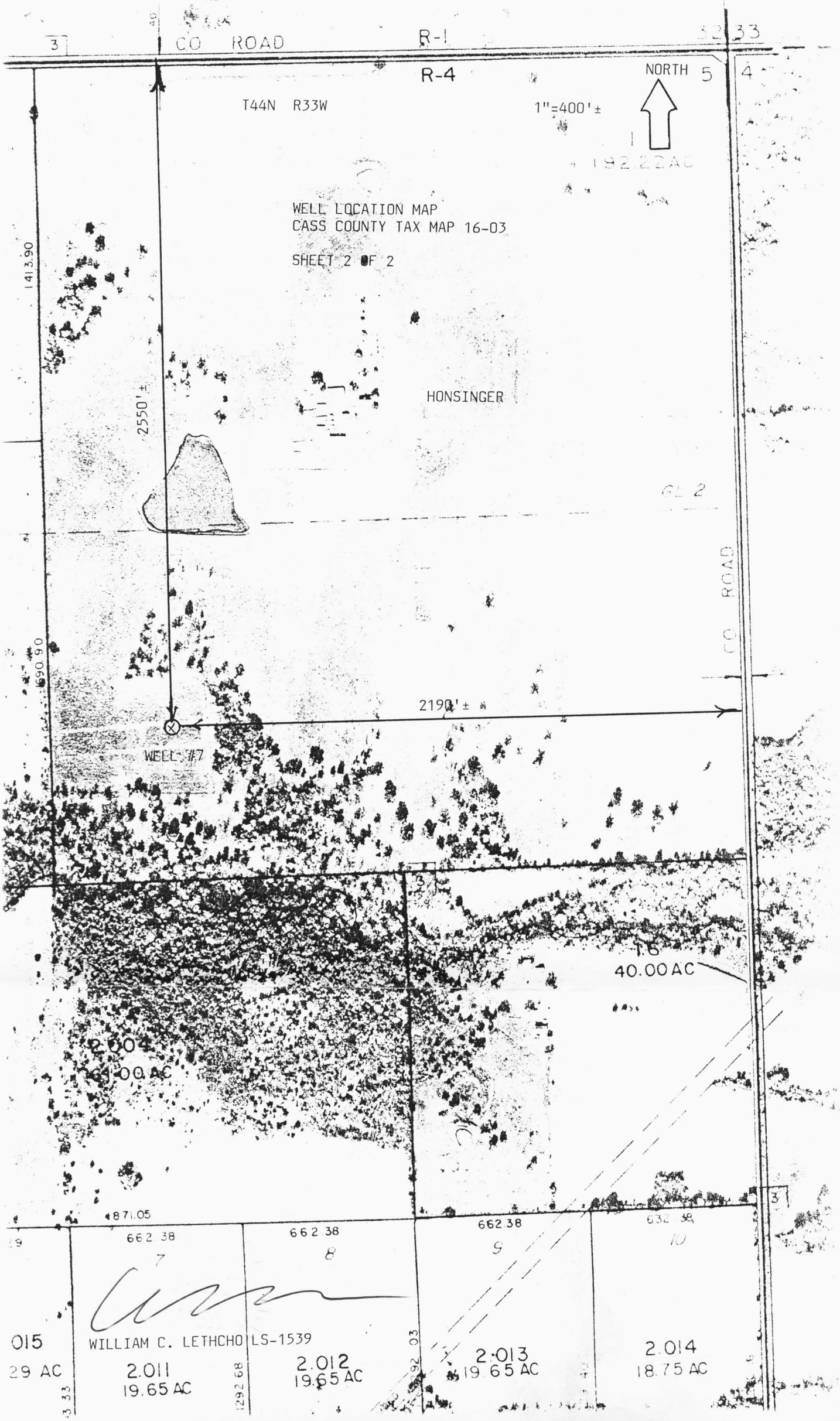


WELL LOCATION MAP USGS FREEMAN MO QUAD

PROPOSED HONSINGER # 7 DEVELOPMENTAL WELL NO. 7

LOT 1 OF NE/4 SCALE: 1 INCH = 400' SEC. 5, 43-33, CASS CO.




CO ROAD
R-1
R-4
NORTH
T44N R33W
1"=400'±
WELL LOCATION MAP
CASS COUNTY TAX MAP 16-03
SHEET 2 OF 2
HONSINGER
2550'±
2190'±
WELL #7
CO ROAD
40.00 AC
2.004
662.38
2.011
19.65 AC
2.012
19.65 AC
2.013
19.65 AC
2.014
18.75 AC
WILLIAM C. LETHCHO LS-1539