



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.
ADDRESS: Box 551, 800 NEWBERRY STREET CITY: FREDERICKTOWN
DATE SUPPLEMENTAL TO 9/25/95
DEVELOPMENTAL APPLICATION
STATE: MO ZIP CODE: 63645

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: McMAHON WELL NUMBER: 1-G ELEVATION (GROUND): 948' (TOPO)

WELL LOCATION: NE 1/4 SE 1/4 SECTION: 1950+ FT. FROM (N)(S) SECTION LINE: 420+ FEET FROM (E) SECTION LINE

WELL LOCATION: NE 1/4 SE 1/4 SECTION: 5 TOWNSHIP: 43N RANGE: 33W COUNTY: CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 420 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 494.1 FEET

PROPOSED DEPTH: 500' 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: _____ NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 6
NUMBER OF ABANDONED WELLS ON LEASE: 1

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME: N/A ADDRESS: _____ NO. OF WELLS PRODUCING: 5
INJECTION: 0
INACTIVE: 0
ABANDONED: 1

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 OCT 03 1995

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
<u>50'</u>	<u>7"</u>	<u>19 LB.</u>	<u>TO SURF</u>				
<u>TD TO SURF</u>	<u>4 1/2"</u>	<u>10.5 LB.</u>	<u>TO SURF</u>				

I, the undersigned, state that I am the ASST. 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 PENSE BROS. DRLG. Co., Inc. DATE: 9/30/95
By: B. E. BLANCETT

PERMIT NUMBER: 20596
APPROVAL DATE: 9/26/95
APPROVED BY: Jarrett W. Williams
 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: _____



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

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Form OGC-5

FEB 21 1996

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

OWNER: **PENSE BROTHERS DRILLING CO., INC.** ADDRESS: **Oil & Gas Court, Box 551, Fredericktown, MD 63645**
LEASE NAME: **McMAHON** WELL NUMBER: **# 1-G**

LOCATION: **NE/4 SE/4** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **5-43N-33W**

COUNTY: **CASS** PERMIT NUMBER (OGC-3 OR OGC-31): **20596**

DATE SPUNDED: **9/27/96** DATE TOTAL DEPTH REACHED: **10/03/96** DATE COMPLETED READY TO PRODUCE OR INJECT: **PENDING** ELEVATION (DF, RKR, RT, OR Gr.) FEET: **948(G) TOPD** ELEVATION OF CASING HD FLANGE FEET: **949.5**

TOTAL DEPTH: **490'** PLUG BACK TOTAL DEPTH: **N/A**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **PENDING** ROTARY TOOLS USED (INTERVAL) DRILLING FLUID USED: **0' TO 490'** CABLE TOOLS USED (INTERVAL): **N/A**

WAS THIS WELL DIRECTIONALLY DRILLED? **NO** WAS DIRECTIONAL SURVEY MADE? **NO** WAS COPY OF DIRECTIONAL SURVEY FILED? **NO** DATE FILED: **N/A**

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): **No MECHANICAL LOGS TO DATE, LITHOLOGY ENCLOSED** DATE FILED: **2/14/96**

CASING RECORD

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
SURE CSG.	9 5/8"	7"	19.5	53'	7	NIL
PROD. CSG.	6 1/4"	4 1/2"	10.5	450'	60	NIL

TUBING RECORD

LINER RECORD

SIZE IN.	DEPTH SET FEET	PACKER SET AT FEET	SIZE INCH	TOP FEET	BOTTOM FEET	SACKS CEMENT	SCREEN FEET
	PENDING	PENDING					

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
	PENDING		PENDING	

WELL SHUT IN AWAITING GAS FACILITIES - TESTED APPROX. 175 MCFD VIA BLOWPIPE WHILE DRILLING. CASED, CEMENTED, SHUT-IN.

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: PENDING		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP): GATHERING + SALES FACILITIES				
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST bbls.	GAS PRODUCED DURING TEST MCF	WATER PRODUCED DURING TEST bbls.	OIL GRAVITY API (CORR)
TUBING PRESSURE	CASING PRESSURE	CAL'ED RATE OF PRODUCTION PER 24 HOURS		OIL bbls.	GAS MCF	WATER bbls.

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

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

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **ASST. V.P.** OF THE **PENSE BROS. DRILG. 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: **2/14/96** SIGNATURE: **B.E. Blancett** PENSE BROS DRILG CO., INC
By: **B. E. BLANCETT**

McMAHON # 1-G - PENSE BROTHERS DRILLING CO., INC.

EL.: 948' (Gr) TOPO

PERMIT # 20596

SPUDDED: 9/27/96

SURF. CSG.: 53'

7 SACKS CEMENT

T.D.: 10/03/96

- 0-4 TOPSOIL, SANDY CLAY, LIGHT BROWN TO REDDISH BROWN
4-13 CLAY, BLOCKY, TAN TO REDDISH BROWN
13-46 LIMESTONE, DENSE, TAN TO BUFF
46-50 SHALE, DENSE, GREY TO LIGHT GREY
50-66 LIMESTONE, TAN TO LIGHT BROWN
66-71 SHALE, SANDY, GREY TO BLuish GREY
71-77 LIMESTONE, DENSE, TAN TO BUFF TO WHITE
77-80 SHALE, GREY TO LIGHT GREY
80-85 LIMESTONE, TAN TO LIGHT BROWN
85-224 SHALE, SILTY TO SANDY, DARK GREY - BLACK AT BASE
224-229 SANDSTONE, FINE GRAINED, CALCITIC, SL FLUORESCENCE, SHOW OIL & GAS
229-285 SHALE, CALCAREOUS, SOME SILTY TO SANDY, GREY TO BLuish GREY
285-307 LIMESTONE, BUFF TO TAN, FAIR FLUORESCENCE, SLIGHT SHOW OIL & GAS
307-340 SHALE, GREY TO DARK GREY, BLACK SHALE, COAL & CLAY AT BASE
340-357 LIMESTONE, FAIR GAS SHOW, TAN TO BUFF
357-370 SHALE, GREY TO DARK GREY - GAS TEST - 16 LB. ON 1/4" CHOKE
370-377 LIMESTONE, TAN TO LIGHT BROWN
377-395 SHALE, GREY TO DARK GREY - SLIGHT COAL SEAM & CLAY NEAR BASE
395-410 SANDSTONE, ANGULAR TO SUBROUNDED, TAN TO WHITE,
SOME FLUORESCENCE, STAINING & CUT, FAIR GAS SHOW
410-450 LIMESTONE, DENSE, TAN TO LIGHT BROWN
450-475 SHALE, GREY TO DARK GREY
475-490 LIMESTONE, TAN TO BUFF TO BROWN
T.D. 490'

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GAS TEST - TESTED 175 MCFD -

SHUT WELL IN PENDING GAS FACILITIES & COMPLETION

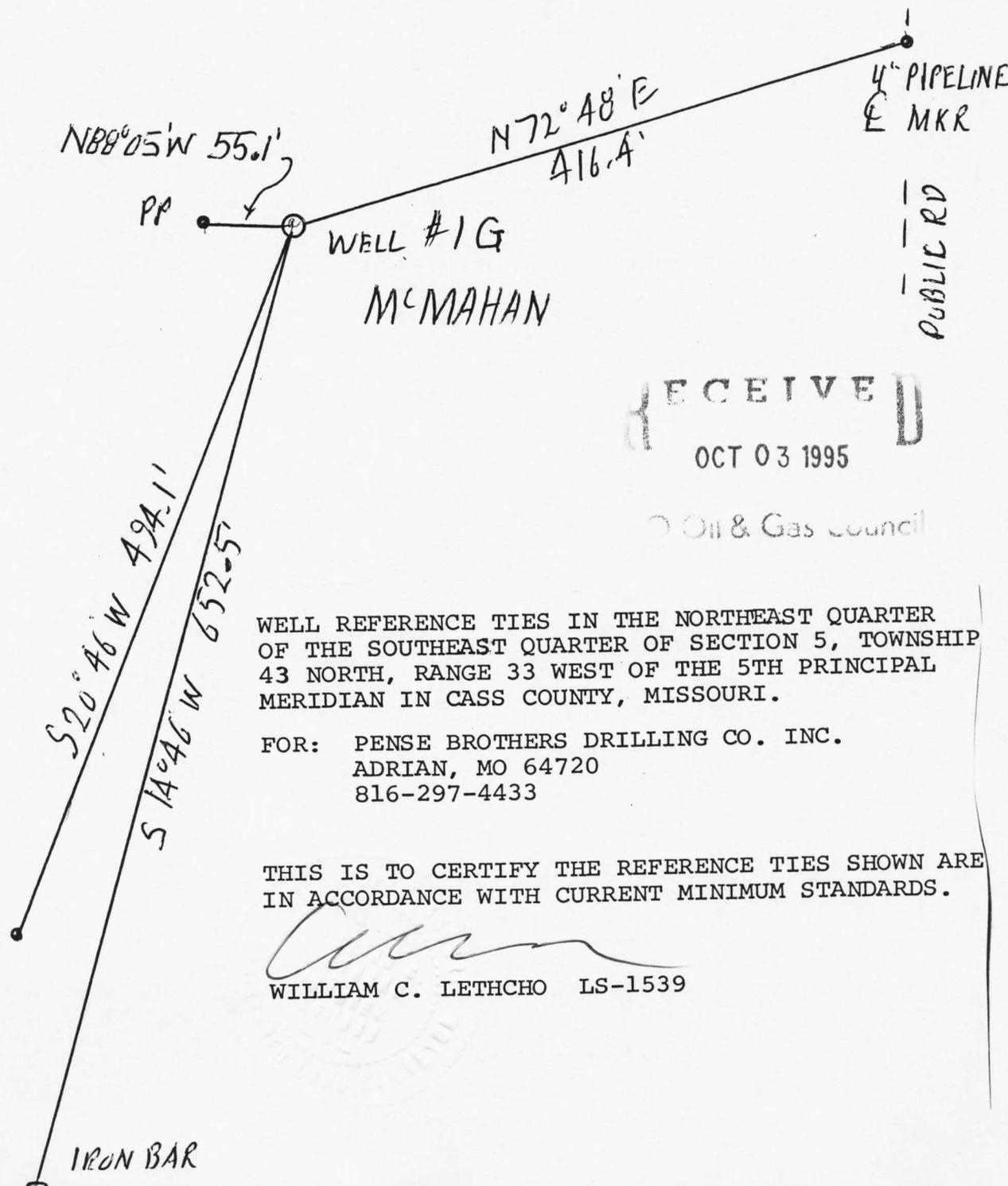
W. C. LETHCHO
COUNTY ENGINEER & SURVEYOR
Bates County Court House
BUTLER, MO. 64730
Phone 679-4031

MAG BRG 8° E DECC
9-29-95



1" = 100'

Sheet 1 of 2



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OCT 03 1995

Oil & Gas Council

WELL REFERENCE TIES IN THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 43 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

THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ARE IN ACCORDANCE WITH CURRENT MINIMUM STANDARDS.

WILLIAM C. LETHCHO LS-1539

WELL # 1

IRON BAR

WELL LOCATION MAP
CASS COUNTY TAX MAP 16-03
Sheet 2 of 2

CO ROAD



1" = 400' ±

William L. Letcho

WILLIAM L. LETCHO LS-1539

04
00 AC

1.6
40.00 AC

WELL #1G

420 ±

McMAHAN

OCT 03 1995

662 38

632 38

Oil
65 AC

2.012
19.65 AC

2.013
19.65 AC

2.014
18.75 AC

MARKHAM

T43N
R33W

PIPELINE EASEMENT

662 80

662 80

632 80

SEC LINE

R33W

5

4

8

9

(1)

2