

corrected from survey



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 SUPPLEMENTARY TO: 8/24/95
DEVELOPMENTAL PERMIT APP. STATE: MO ZIP CODE: 63645

DESCRIPTION OF WELL AND LEASE
NAME OF LEASE: HOUSSINGER WELL NUMBER: # 3 ELEVATION (GROUND): 952' (TOPO)

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE)
E/2 LOT 1 OF NE/4 3000⁺ FT. FROM (N) SECTION LINE 835⁺ FEET FROM (E) SECTION LINE

WELL LOCATION SECTION TOWNSHIP RANGE COUNTY
E/2 LOT 1 OF NE/4 5 4.3N 33W CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 165 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 542.6 FEET

PROPOSED DEPTH: 315
DRILLING CONTRACTOR, NAME AND ADDRESS: PENSE BROS. DRLG. CO., INC.
ROTARY OR CABLE TOOLS: ROTARY (AID) APPROX. DATE WORK WILL START: ON PERMIT

NUMBER OF ACRES IN LEASE: 192.80
NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 3
NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME: N/A ADDRESS: _____
NO. OF WELLS PRODUCING: 0
INJECTION: 0
INACTIVE: 3
ABANDONED: 0

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: 20592
APPROVAL DATE: 8-24-95 BY FAX
APPROVED BY: Jane Holly 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

Form OGC-5

DEC 07 1996

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

OWNER: **PENSE BROS. DRILG. CO., INC.** ADDRESS: **Box 551, FREDERICKTOWN, MO 63645**
LEASE NAME: **HONSINGER** WELL NUMBER: **#3 20592**

LOCATION: **LOT 1 OF NE 1/4** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **5-43N-33W**

COUNTY: **CASS** PERMIT NUMBER (OGC-3 OR OGC-4): **20592**

DATE SPUNDED: **8/24/95** DATE TOTAL DEPTH REACHED: **8/26/95** DATE COMPLETED READY TO PRODUCE OR INJECT: **11/16/96** ELEVATION (DF, RKR, RT, OR GR.) FEET: **952' GR (TOP)** ELEVATION OF CASING HD FLANGE FEET: **953.5**

TOTAL DEPTH: **449'** PLUG BACK TOTAL DEPTH: **N/A**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **375' - 385'** ROTARY TOOLS USED (INTERVAL): **SURFACE TO T.D.** DRILLING FLUID USED: **AIR + WATER** CABLE TOOLS USED (INTERVAL): **N/A**

WAS THIS WELL DIRECTIONALLY DRILLED?: **N/A** WAS DIRECTIONAL SURVEY MADE?: **N/A** WAS COPY OF DIRECTIONAL SURVEY FILED?: **N/A** DATE FILED: **11/19**

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): **GAMMA RAY - NEUTRON LOG (CEMENT BOND LOG FORMERLY FILED)** DATE FILED: **11/30/96**

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 LBS	50' 06"	6	NIL
PRODUCTION CSG	6 1/4"	4 1/2"	10.5 LBS	448'	70	NIL

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
N/A IN.	N/A FEET	N/A FEET	N/A INCH	N/A FEET	N/A FEET	N/A	N/A FEET

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3-1/8" DML-HSC 21 shots	375' - 385'	PERFORATED & SWABBED ONLY ACID & SAND FRAC TO BE DONE AT SUCH TIME AS GATHERING & SALES FACILITIES	375' - 385'

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: **11/16/96 SWABBED ONLY** PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP): **FLOWING GAS THRU UNTREATED PERFS - MEASURED 675 MCFD GAS WHILE DRILLING - TO STIMULATE AT TIME GATHERING & SALES FACILITIES COMPLETED**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
SEE ABOVE	NO WATER OR OIL	NO WATER OR OIL	NO WATER OR OIL	NO WATER OR OIL	NO WATER OR OIL	NO WATER OR OIL

TUBING PRESSURE: **untreated PERFS** CASING PRESSURE: **untreated PERFS** CALC'D RATE OF PRODUCTION PER 24 HOURS: **untreated PERFS**

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD): **Shut in Pending stimulation & SALES FACILITIES completions**

METHOD OF DISPOSAL OF MUD PIT CONTENTS: **AIR Rotary, cuttings only in pit - overfilled with topsoil & drill area 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: **11/30/96** SIGNATURE: **B. E. BLANCETT** PENSE BROS. DRILG. CO., INC. **11/30/96**



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

RECEIVED

FEB 07 1996

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: **# 3**

LOCATION: **Lot 1 of NE 1/4** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **5-43N-33W**

COUNTY: **CASS** PERMIT NUMBER (OGC-3 OR OGC-3M): **20592**

DATE SPUNDED: **8/24/95** DATE TOTAL DEPTH REACHED: **8/26/95** DATE COMPLETED READY TO PRODUCE OR INJECT: **PENDING** ELEVATION (DF, RKR, RT, OR Gr.) FEET: **952 (Gr) Topo** ELEVATION OF CASING HD FLANGE FEET: **953.5**

TOTAL DEPTH: **449'** PLUG BACK TOTAL DEPTH: **N/A**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **SURE TO T.D.** ROTARY TOOLS USED (INTERVAL): **AIR & WATER** CABLE TOOLS USED (INTERVAL): **N/A**

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

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): **CEMENT BOND LOG ONLY MECHANICAL LOG TO DATE** DATE FILED: **2/01/96**

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 LB.	50'06"	6	NIL
PROD. CSG.	6 1/4"	4 1/2"	10.5 LB	448'	70	NIL

TUBING RECORD

LINER RECORD

SIZE IN.	DEPTH SET FEET	PACKER SET AT FEET	SIZE INCH	TOP FEET	BOTTOM FEET	SACKS CEMENT	SCREEN FEET
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
HOLE EVIDENCED IN EXCESS OF 675 MCF GAS WHILE DRILLING, KILLED WITH MUD, CASED TO 448', RAN CEMENT BOND LOG, PLAN TO SQUEEZE CEMENT 357' TO T.D., PERFORATE, STIMULATE AT SUCH TIME AS GAS MARKET AVAILABLE.				

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: **N/A** PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP): **N/A**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
8/26/95	6	3/4"	NONE SAVED	675 MCF	TSTM	UNKNOWN
TUBING PRESSURE	CASING PRESSURE	CAL'ATED RATE OF PRODUCTION PER 24 HOURS		OIL	GAS	WATER
N/A	N/A	EXCESS OF 675 MCF		N/A	N/A	N/A

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 TO PIT WHILE DRILLING - KILLED WITH HEAVY MUD; HAULED FROM PIT, OVERFILLED @ TOP SOIL & RESEEDED.**

CERTIFICATE: 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

DATE: **2/01/96** SIGNATURE: **B. E. Blawett, Pense Bros. Drlg. Co., Inc.**
By: B. E. BLAWETT, ASST. V.P.

HONSINGER # 3, PENSE BROS. DRUG. CO., INC.

EL.: 952 (G) TO PD

PERMIT # 20592

SPUDDED: 8/24/95 ^{GRB}

SURF. CSG. 50' 06"

T. D. 952: 8/26/95 ^{GRB}

- 0-46 VARIEGATED, TOPSOIL TO CLAY TO SANDSTONE (10) RECEIVED
46-63 LIMESTONE, DENSE, WHITE TO BUFF FEB 07 1996
63-70 SHALE, CALCAREOUS, GREY TO BLUE-GREY
70-88 LIMESTONE, DENSE, TAN TO LIGHT BROWN Oil & Gas Council
88-148 SHALE, VARIEGATED, GREY TO DARK GREY
148-155 SILTSTONE (10) SANDSTONE, SHALY, GREY, SLIGHT
FLUORESCENCE, SLIGHT SHOW & CUT OF OIL (10) SOME GAS,
TOO SMALL TO MEASURE
155-190 SHALE & SHALY SILTSTONE, DENSE, BLUISH GREY
190-200 LIMESTONE, DENSE, BUFF TO WHITE.
200-212 SANDSTONE, FAIR POROSITY, CALCITIC, FAIR FLUORESCENCE
AND SLIGHT GAS SHOW, GREY TO TAN.
212-220 LIMESTONE, BUFF TO TAN, DENSE
220-238 SHALE, BLUISH GREY, CALCAREOUS
238-245 LIMESTONE, SLIGHT POROSITY, SHOW GAS WITH SLIGHT
FLUORESCENCE, TAN TO BUFF
245-264 SHALE, CALCAREOUS, GREY TO DARK GREY
264-275 LIMESTONE, SLIGHTLY CALCITIC, FAIR FLUORESCENCE ON MOST
OF SAMPLES, FAIR GAS WITH SLIGHT OIL SHOW, CREAM TO
TAN TO LIGHT BROWN.
275-290 SHALE, DENSE, GREY TO DARK GREY
290-295 SHALE, BLACK TO DARK GREY, COAL PARTICLES (10) CLAY.
295-305 SANDSTONE, ANGULAR TO SUB-ROUNDED, GREY TO TAN TO BROWN,
SLIGHT FLUORESCENCE, SOME GAS & SLIGHT OIL CUT.
305-325 LIMESTONE, BUFF TO WHITE, LIGHT BROWN, SOME GAS,
SLIGHT FLUORESCENCE 305-320.

HONSINGER #3, CONTD., PENSE BROS. DRUG. CO., INC.

325-385 SHALE, DENSE, CALCAREOUS, GREY TO BLUE GREY,
SHALY SILTSTONE + SANDSTONE AT BASE.

385-420 SANDSTONE, ABUNDANT MICA + SOME PYRITE,
GOOD FLUORESCENCE, GAS + OIL STAINING IN
UPPER PORTION - RESIDUAL OIL STAINING IN
BASAL PORTION. GAS FLOW MEASUREMENT OF
6.5 MCF @ 415'

420-449 SHALE, DENSE, GREY TO DARK GREY
T.D. 449'

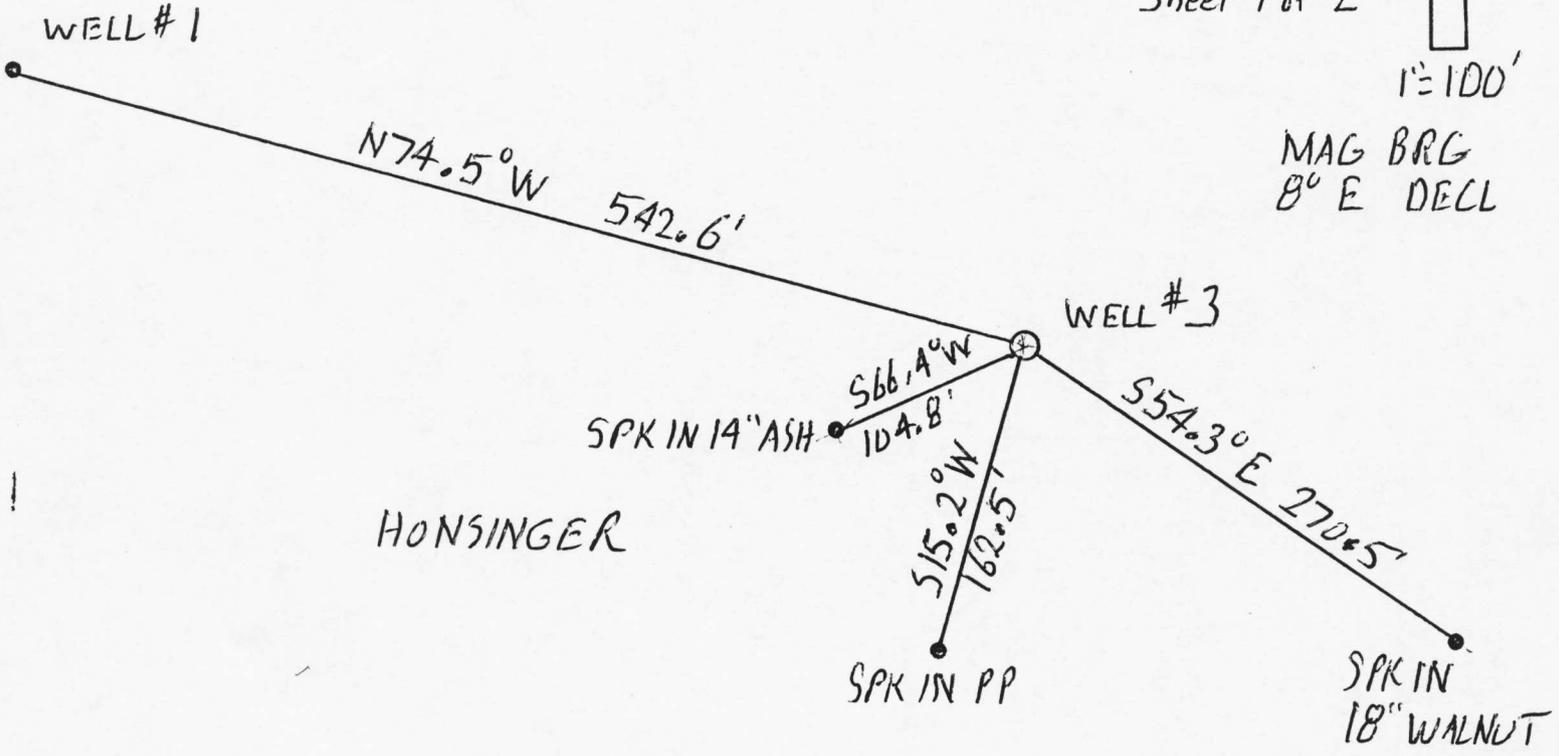
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FEB 07 1996

MO Oil & Gas Council

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

Sheet 1 of 2
N
↑
1" = 100'
MAG BRG
8° E DECL



WELL REFERENCE TIES IN THE EAST HALF OF LOT 1 OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 43 NORTH, RANGE 33 WEST OF THE 5TH PRINCIPAL MERIDIAN IN CASS COUNTY, MISSOURI.

9-30-95

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

816-297-4433

THESE TIES ARE IN ACCORDANCE WITH CURRENT MINIMUM SURVEY STANDARDS.


WILLIAM C. LETHCHO LS-1539

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OCT 03 1995
Oil & Gas Council

R-1

CO ROAD

32 33

PAGE 2 of 2



1" = 400'

T43N R33W

R-4

5

4

T43N R33W

HONSINGER

192.22AC

GORMAN

642

3000'

CO ROAD

03 1995

0.35' ±

#3

WELL LOCATION MAP - CASS
COUNTY TAX MAP 16-03

WILLIAM C. LETHCHD LS-1539

40.00AC

MCMAHAN