

Permit #: 20038

Date Issued: 4.24.90

County: Bates

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged: 7-30-91

COMMENTS:

converted to water well

OGC FORMS	Date Received
1	
2	
3	4.24.90
3i	
4	4.24.90
4i	
5	8-19-91
6	8-19-91
7	8-19-91
8	8-19-91
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	G-log		8-19-91
Samples	chip core		
	water core		
Analyses	water		
	core		

Additional Submitted Data:

20038 - HAN #1  
 OGC 8  
 OGC 7  
 OGC 6  
 GAMMA-NEUTRON LOG  
 Lithology



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 <b>Pense Brothers Drilling Co., Inc., a Missouri Corporation</b>		DATE <b>04/23/90</b>	
ADDRESS <b>800 Newberry Street P. O. Box 551</b>	CITY <b>Fredericktown</b>	STATE <b>MO</b>	ZIP CODE <b>63645</b>

**DESCRIPTION OF WELL AND LEASE**

NAME OF LEASE <b>Danny Lee Hahn, et ux</b>	WELL NUMBER <b>D. Hahn No. 1</b>	ELEVATION (GROUND) <b>972'</b>
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WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE)  
**370** FT. FROM (N)  SECTION LINE **1160** FEET FROM (E)  SECTION LINE

WELL LOCATION SECTION <b>NW/4 NE/4 NE/4    11</b>	TOWNSHIP <b>41 N</b>	RANGE <b>32 W</b>	COUNTY <b>Bates</b>
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NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE **370** FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE **N/A** FEET

PROPOSED DEPTH <b>480'</b>	DRILLING CONTRACTOR, NAME AND ADDRESS <b>Pense Brothers Drilling Co., Inc.</b>	ROTARY OR CABLE TOOLS <b>Rotary (Air)</b>	APPROX. DATE WORK WILL START <b>4/23/90 or on permit</b>
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NUMBER OF ACRES IN LEASE <b>160</b>	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR <b>1</b>	NUMBER OF ABANDONED WELLS ON LEASE <b>0</b>
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IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?  
NAME **N/A**

NO. OF WELLS: PRODUCING **0**  
INJECTION **0**  
INACTIVE **0**  
ABANDONED **0**

STATUS OF BOND	<input type="checkbox"/> SINGLE WELL AMOUNT \$	<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ <b>20,000.00</b>	<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
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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.
41'	7"	17 lbs	to surf.	✓	✓	✓	✓
T.D. to Surf.	4 1/2"	9.5 lbs.	to surf.	✓	✓	✓	✓

I, the undersigned, state that I am the **President** of the **Pense Bros. Drg. 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 **Clifford L. Pense** DATE **4/23/90**  
Clifford L. Pense

PERMIT NUMBER <b>20038</b>	<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED	<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN
APPROVAL DATE <b>4-24-90</b>	<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN	<input checked="" type="checkbox"/> DRILL STEM TEST INFO. REQUIRED IF RUN
APPROVED BY <b>James Holly Williams</b>	<input type="checkbox"/> SAMPLES REQUIRED	
	<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED	
	<input type="checkbox"/> 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 \_\_\_\_\_

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APR 24 1990  
MO Oil & Gas Council  
Economic Geology



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 <i>PENSE BROTHERS DRILLING CO., INC.</i>		ADDRESS <i>P.O. Box 551, FREDERICKTOWN, MO 63645</i>		
LEASE NAME <i>DANNY LEE HAHN, ET. UX.</i>		WELL NUMBER <i>#1</i>		
LOCATION <i>NW/4 NE/4 NE/4</i>		SEC. TWP. AND RANGE OR BLOCK AND SURVEY <i>11-41N-32W</i>		
COUNTY <i>BATES</i>	PERMIT NUMBER (OGC-3 OR OGC-01) <i>20038</i>			
DATE SPUDDED <i>5/01/90</i>	DATE TOTAL DEPTH REACHED <i>5/03/90</i>	DATE COMPLETED READY TO PRODUCE OR INJECT <i>7/15/90</i>	ELEVATION (DF, RKR, RT, OR Gr.) FEET <i>972'</i>	ELEVATION OF CASING HD. FLANGE FEET <i>973'</i>
TOTAL DEPTH <i>480'</i>	PLUG BACK TOTAL DEPTH <i>312'</i>			
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION <i>231' THRU 241'</i>		ROTARY TOOLS USED (INTERVAL) <i>0' TO 480'</i>		CABLE TOOLS USED (INTERVAL) <i>N/A</i>
DRILLING FLUID USED <i>WATER</i>	WAS THIS WELL DIRECTIONALLY DRILLED? <i>No</i>		WAS DIRECTIONAL SURVEY MADE? <i>No</i>	WAS COPY OF DIRECTIONAL SURVEY FILED? <i>N/A</i>
DATE FILED <i>7/30/91</i>			DATE FILED <i>7/30/91</i>	
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <i>GAMMA-NEUTRON</i>				

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
<i>SURFACE</i>	<i>8 5/8"</i>	<i>7"</i>	<i>17 LB.</i>	<i>49' 05"</i>	<i>6 SACKS</i>	<i>NONE</i>
<i>PRODUCTION</i>	<i>6 1/4"</i>	<i>4 1/2"</i>	<i>9 1/2 LB.</i>	<i>310'</i>	<i>43 SACKS</i>	<i>NONE</i>

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
<i>2</i>	<i>3 1/8" DENS JETS-X H.S.C.</i>	<i>231' THRU 241'</i>	<i>N/A</i>	<i>N/A</i>

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION <i>N/A</i>		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.)					
DATE OF TEST <i>1/15/91</i>	HOURS TESTED <i>SWABBED</i>	CHOKE SIZE <i>N/A 4 1/2"</i>	OIL PRODUCED DURING TEST <i>NIL</i> bbls.	GAS PRODUCED DURING TEST <i>TSTM</i> MCF	WATER PRODUCED DURING TEST <i>72</i> bbls.	OIL GRAVITY <i>N/A</i> API (CORR.)	
TUBING PRESSURE <i>N/A</i>	CASING PRESSURE <i>TSTM</i>	CALC'D RATE OF PRODUCTION PER 24 HOURS <i>WATER ONLY</i>		OIL <i>NIL</i> bbls.	GAS <i>NIL</i> MCF	WATER <i>72</i> bbls.	
DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD) <i>N/A</i>							

METHOD OF DISPOSAL OF MUD PIT CONTENTS

*AIR DRILLED, CUTTINGS ONLY - FILLED OVER AT PIT RESTORATION*

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE *ASSISTANT VICE PRESIDENT* OF THE *PENSE BROTHERS DRILLING 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 <i>7/30/91</i>	SIGNATURE <i>B. E. Blancett</i> <i>B. E. BLANCETT, ASS'T. V. P.</i>
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**INSTRUCTIONS:** ATTACH DRILLERS LOG OR OTHER ACCEPTABLE LOG OF WELL.

\* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

**DETAIL OF FORMATIONS PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
PENNSYLVANIAN	0'	480'	* SEE LITHOLOGY LOG ATTACHED.

HAHN NO. 1 WELL - PERMIT NO. 20038

PREPARED BY

B.E.B

NW/4 NE/4 NE/4 SEC. 11, 41N-32W, Bates Co, MO.

DATE

5/01/90

ELEVATION 972' (TOPO) PENSE BROS. DRG. CO., INC.

- 0 - 40 NO SAMPLES
- 40 - 212 SHALE, SOME SLIGHTLY CALCITIC OR BITUMINOUS, GREY TO BLUE GREY
- 212 - 240 SANDSTONE, FINE GRAINED, ANGULAR TO SUBROUNDED, SOME FLUORESCENCE & STAINING THROUGHOUT, 230' TO 240' ROUNDED TO SUBROUNDED, FAIR OIL CUT AND FLUORESCENCE, TAN TO BUFF.
- 40 - 250 SILTSTONE, SHALY, DENSE, LIGHT GREY
- 50 - 270 LIMESTONE, DENSE, TAN TO WHITE TO BUFF.
- 70 - 280 SHALE, DENSE, GREY TO DARK GREY
- 80 - 305 LIMESTONE, DENSE, TAN TO LIGHT BROWN, FEW SHALE STRIATIONS.
- 305 - 310 SHALE, CALCITIC, DENSE, GREY TO DARK GREY
- 310 - 335 LIMESTONE, DENSE, WHITE TO TAN TO BUFF, WITH FEW SHALE & SANDSTONE STRIATIONS, SHALY SANDSTONE AT BASE
- 335 - 355 SHALE, SILTY, GREY TO BLUE-GREY, DENSE,
- 355 - 380 SILTSTONE, SHALY, CALCITIC, GREENISH-GREY
- 380 - 405 AS ABOVE WITH DENSE, SHALY SANDSTONE STRIATIONS
- 405 - 430 SANDSTONE, FINE GRAINED, DENSE, CALCITIC, TRACES PYRITE & MICA NEAR BASE.
- 430 - 435 SHALE, DENSE, SILTY TO DENSE, GREY TO BUFF LIMESTONE AT BASE
- 435 - 445 LIMESTONE, DENSE, BUFF TO WHITE TO TAN
- 445 - 465 SHALE, CALCAREOUS, GREY TO LIGHT GREY
- 465 - 475 SILTSTONE, DENSE, SLIGHT GLAUCONITE & COAL EVIDENCED, SLIGHTLY CALCITIC.
- 475 - 480 SHALE, SILTY, NON CALCAREOUS, GREY TO BLUE-GREY
- TD - 480'

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**NOTICE OF INTENTION TO ABANDON WELL**

FORM OGC-6

NAME OF LEASE <i>DANNY LEE HAAN, ET UX</i>				DATE <i>7/30/91</i>
WELL NUMBER <i># 1</i>	LOCATION <i>370</i> FEET FROM (N) SECTION LINE AND <i>1160</i> FEET FROM (E) SECTION LINE OF			
SECTION <i>11</i>	TOWNSHIP <i>41N</i>	RANGE <i>32W</i>	COUNTY <i>BATES</i>	
THE ELEVATION OF THE GROUND AT WELL SITE IS <i>972</i> FEET ABOVE SEA LEVEL.		PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) <i>20038</i>		

NAME OF CONTRACTOR OR COMPANY THAT WILL DO WORK IS: <i>COMPANY TOOLS - PENSE BROTHERS DRILLING CO., INC.</i>			
ADDRESS <i>Box 551</i>	CITY <i>FREDERICKTOWN</i>	STATE <i>MO</i>	ZIP CODE <i>63645</i>

**DETAILS OF WORK** (INDICATE SIZE, KIND, AND DEPTH OF PLUGS, WHERE CASING WILL BE PULLED, OTHER PERTINENT DETAILS)

*49' 05" OF 7"-19LB. SURF CSG., CEMENTED TO SURFACE (LEFT IN)  
310' OF 4 1/2"-9 1/2 LB. PROD. CSG., CEMENTED TO SURFACE (LEFT IN)  
PERFORATED (21-3 1/8" DENSI JETS-X) FROM 231' THRU 241'  
NO STIMULATION - SWABBIN THRU 4 1/2 CSG. INDICATED  
NO OIL, GAS TO SMALL TO MEASURE, AND APPROXIMATELY  
3 BBLs. WATER PER HR.  
LANDOWNER DESIRES TEST WELL IN PRESENT CONDITION FOR  
WATER PURPOSES.  
CONCRETE APRON 3' SQUARE AROUND PROTRUDING CASING  
4 1/2" ~~SIZE~~ TO 2" SWEDGE WITH 2" BALL VALVE.*

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CERTIFICATE: I, the undersigned, state that I am the <i>ASST. V. P.</i> of the <i>PENSE BROS. DRG. CO., INC.</i> (company), and that I am authorized to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.	
SIGNATURE <i>B. E. Blauvelt</i> <i>B. E. BLANCETT, ASST. V. P.</i>	DATE <i>7/30/91</i>



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**PLUGGING RECORD**

FORM OGC-7

OWNER <i>PENSE BROTHERS DRILLING CO, INC.</i>		ADDRESS <i>Box 551, FREDERICKTOWN, MO 63645</i>			
NAME OF LEASE <i>DANNY LEE HANN, ET. UX.</i>		WELL NUMBER <i>#1</i>	PERMIT NUMBER (OGC-3 OR <del>OGC-2 NUMBER</del> ) <i>20038</i>		
LOCATION OF WELL <i>NW/4 NE/4 NE/4 SECTION 11, 41N, 32W</i>		SEC-TWP-RNG OR BLOCK & SURVEY	COUNTY <i>BATES</i>		
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: <i>ABOVE NAMED OWNER</i>		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBL/DAY) <i>NIL</i> GAS (MCF/DAY) <i>TSTM</i>		DRY? <i>DRY</i>
DATE ABANDONED <i>7/30/91</i>	TOTAL DEPTH <i>480'</i>	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) <i>NIL</i> GAS (MCF/DAY) <i>NIL</i>		WATER (BBL/DAY) <i>72</i>	
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation		Depth interval of each formation	
<i>HEPLER</i>		<i>WATER WITH GAS TO SMALL TO MEASURE.</i>		<i>231' THRU 241'</i>	
				<i>NO PLUGS</i>	
SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	PACKERS AND SHOES
<i>7"</i>	<i>49'05"</i>	<i>NIL</i>	<i>49'05"</i>	<i>CEMENTED TO SURFACE</i>	<i>N/A</i>
<i>4 1/2"</i>	<i>310'</i>	<i>NIL</i>	<i>310'</i>	<i>CEMENTED TO SURFACE</i>	<i>SHOE AT 310'</i>
WAS WELL FILLED WITH MUD-LADEN FLUID? <i>NO</i>		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER <i>SQUIRREL SAND AT 405' TO 430'</i>			
OWNER WANTS WELL FOR WATER					
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
NAME		ADDRESS		DIRECTION FROM THIS WELL	
<i>OPERATOR ONLY</i>		<i>Box 551, FREDERICKTOWN, MO 63645</i>		<i>N/A</i>	
<i>LANDOWNER</i>		<i>RT. 2, BOX 243, ADRIAN, MO 64720</i>		<i>3/4 MILE SOUTHWEST</i>	
<i>DANNY LEE HANN</i>					
<b>RECEIVED</b> AUG 19 1991					
METHOD OF DISPOSAL OF MUD PIT CONTENTS		<i>DRILLED WITH AIR ROTARY, CUTTINGS ONLY IN PIT, OVERFILLED WITH TOPSOIL TO SURFACE LEVEL</i>			
NOTE: FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)					
CERTIFICATE: I, the undersigned, state that I am the <i>ASST. V. P.</i> of the <i>PENSE BROS. DRG. CO, INC.</i> (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 <i>B. E. Blanceit</i> <i>B. E. BLANCEIT, ASST. V. P.</i>				DATE <i>7/30/91</i>	





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**WELL CONVERSION AGREEMENT**

FORM OGC-8

This agreement is made this 30<sup>TH</sup> day of JULY, 1991, between PENSE BROTHERS DRILLING CO., INC. of BOX 551, FREDERICKTOWN, MD 63645 owner of the following described well or test hole, hereinafter called "operator," and DANNY LEE HAHN of \_\_\_\_\_, owner of surface rights to the land on which the following described well or test hole is situated, hereinafter called "landowner."

WHEREAS operator has drilled or has caused to be drilled a test well for oil and gas, or has operated a producing well, which well is known as D. HAHN # 1 and is located NW/4 NE/4 NE/4 SECTION 11, 41N, 32W, PERMIT # 20038, BATES County, Missouri;

WHEREAS operator desires to plug and abandon said well or test hole in a manner approved by the Missouri Oil and Gas Council;

WHEREAS landowner desires to employ said well or test hole as a source of potable water for the beneficial use of himself or himself and others;

NOW THEREFORE, it is agreed that operator shall plug the hole in accordance with the rules, regulations and instructions of the Missouri Oil and Gas Council except that no plug shall be set at the surface in said well or test hole nor shall surface pipe be cut off below plow depth, thus facilitating the use of the well or test hole as a water source well.

Landowner hereby acknowledges that the operator will be released by the Missouri Oil and Gas Council from future liability for further plugging which may be required by the Council and accepts full responsibility for the operation of the well or test hole as a water well and for the proper plugging and abandonment thereof when its use for this purpose has ended.

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AUG 19 1991

WITNESS SIGNATURE <u>Ruby A. Blawett</u>	DATE <u>7/30/91</u>	OPERATOR SIGNATURE <u>PENSE BROTHERS DRILLING CO., INC.</u> <u>BY: B. Blawett Ass't. V.P.</u>	DATE Gas Council <u>7/30/91</u>
WITNESS SIGNATURE <u>Ruby A. Blawett</u>	DATE <u>7/30/91</u>	LANDOWNER SIGNATURE <u>Danny Lee Hahn</u> <u>DANNY LEE HAHN</u>	DATE <u>7/30/91</u>

7/30/90

IN DUPLICATE:

OGC-5

OGC-6

OGC-7

OGC-8

LITHOLOGY LOG 40' THRU 480'

ALSO:

1 GAMMA-RAY-NEUTRON LOG

THE ABOVE ENCLOSURES REGARDING THE HAHN # 1 WELL, PERMIT # 20038, ARE ENCLOSED FOR YOUR EXAMINATION AND APPROVAL AND FOR APPROVAL OF WELL CONVERSION AGREEMENT IN FAVOR OF DANNY LEE HAHN, THE OWNER OF BOTH THE MINERAL AND SURFACE THERETO THE LAND DESCRIBED WITHIN PERMIT # 20038.

THANKS!

Dense Brothers Drilling Co., Inc.  
By: B E Blawett, Asst. V. P.

RECEIVED  
AUG 19 1991

MO Oil & Gas Council

8/03/91

IN DUPLICATE:

OGC-5

LITHOLOGY LOG

ALSO

1 GAMMA-RAY-NEUTRON LOG

THE ABOVE ENCLOSURES REGARDING THE SHANNONS' CIRCLE "S" RANCH # 1 WELL, PERMIT # 20042, ARE ENCLOSED FOR YOUR EXAMINATION AND APPROVAL. WE HAVE THIS GAS WELL SHUT-IN PENDING FURTHER DRILLING ON LEASE.

THANKS!

Conse Brothers Drilling Co., Inc.  
By: B. E. Blauvelt, Asst. U. P.

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AUG 14 1991

MO Oil & Gas Council

10  
2.0 Ac.  
1.4 Ac.(c)  
RD # 142  
SEC LINE  
220  
200  
170  
81 Co  
400' ±

PROPOSED WELL  
DANNY HAHN # 1

370' ±

160.0 Ac

1160' ±

NE 1/4 NE 1/4  
11-41-32

T41N  
R32W

WELL LOCATION  
MAP - BATES CO.  
TAX MAP 65-07-1

Sheet 1 of 2

*William C. Lethcho*  
WILLIAM C. LETHCHO 4-22-90  
BATES COUNTY SURVEYOR  
COURTHOUSE  
BUTLER, MO. 64730

RECEIVED  
APR 24 1990

MO Oil & Gas Council  
Economic Geology

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

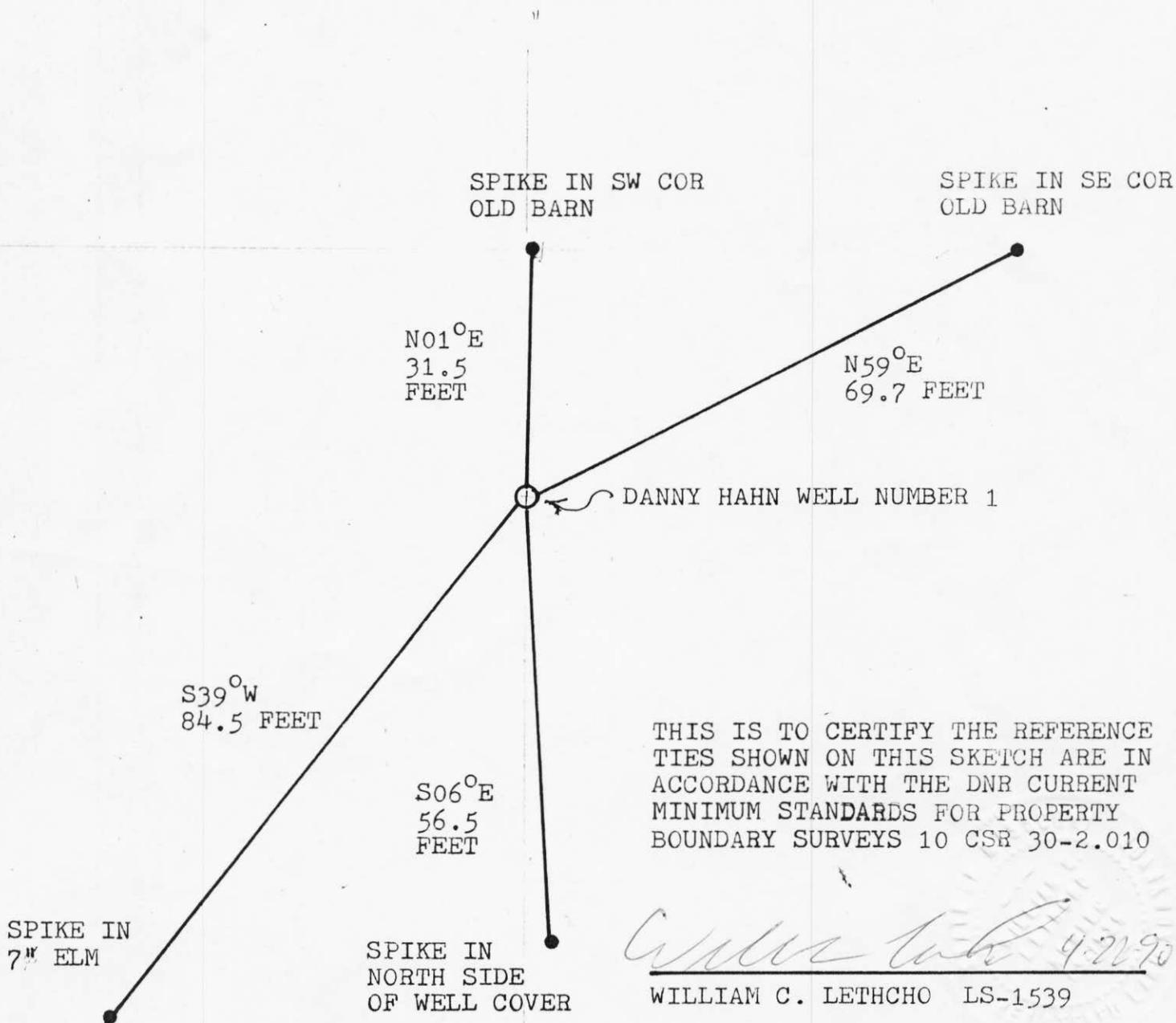
WELL REFERENCE TIES  
IN THE NE $\frac{1}{4}$ NE $\frac{1}{4}$  SEC 11,  
T41N, R32W IN BATES  
COUNTY, MISSOURI.



MAGNETIC BEARINGS  
8° EAST DECLINATION

DANNY HAHN WELL NUMBER 1

FOR: PENSE BROTHERS DRILLING CO., INC.



THIS IS TO CERTIFY THE REFERENCE  
TIES SHOWN ON THIS SKETCH ARE IN  
ACCORDANCE WITH THE DNR CURRENT  
MINIMUM STANDARDS FOR PROPERTY  
BOUNDARY SURVEYS 10 CSR 30-2.010

*William C. Lethcho* 4-20-90  
WILLIAM C. LETHCHO LS-1539

SHEET 2 OF 2

RECEIVED  
APR 24 1990

MO Oil & Gas Council  
Economic Geology



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF GEOLOGY AND LAND SURVEY

**WATER WELL RECORD  
AND  
PUMP INFORMATION RECORD**

(PLEASE PRINT CLEARLY)

<b>DO NOT FILL IN</b>		DATE RECEIVED: <b>REC'D JAN 1 8</b>
REF. NO. <b>98736</b>	CHECK NO. <b>96T</b>	
CROSS REFERENCE NO.	TRANSMITTAL NO. <b>888750</b>	
STATE WELL NUMBER	ROUTE <b>W 21 WRP</b>	
CHECKED BY <b>SR</b>	ENTERED Ph1 <input checked="" type="checkbox"/> Ph2 <input checked="" type="checkbox"/> Ph3 <input type="checkbox"/>	
APPROVED BY	DATE APPROVED	

<b>OWNER</b>		NAME <b>DANNY LEE HAHN (RE. HAHN #1 - PERMIT #20038)</b>		TELEPHONE NO. <b>(816) 297-2747</b>	
ADDRESS <b>RR#2, Box 243</b>		CITY <b>ADRIAN</b>		STATE <b>MO</b>	ZIP CODE <b>64720</b>
<b>OWNER STATUS</b>	<input type="checkbox"/> BUILDING CONTRACTOR <input type="checkbox"/> DEVELOPER <input type="checkbox"/> BUILDER	<input checked="" type="checkbox"/> PRIVATE HOME OWNER <input type="checkbox"/> OTHER (SPECIFY)		EXISTING WELL CERTIFICATION NUMBER	
<b>DRILLING CONTRACTOR</b>	NAME <b>PENSE BROTHERS DRILLING Co., Inc.</b>		<b>PUMP CONTRACTOR</b>	NAME	
<b>DRILLING EQUIPMENT</b>	<input type="checkbox"/> MUD ROTARY <input type="checkbox"/> REVERSE ROTARY <input checked="" type="checkbox"/> AIR ROTARY		<input type="checkbox"/> CABLE TOOL <input type="checkbox"/> AUGER (TYPE)		DATE COMPLETED <b>7/30/91</b>
<b>CASING DETAILS</b>	LENGTH <b>49'05"</b> DIAM. (IN.) <b>7"</b>	WEIGHT OR SDR NO. <b>17LB</b>	DIAM. OF DRILL HOLE <b>8 5/8"</b>	MATERIAL: <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> PLASTIC <input type="checkbox"/> OTHER (SPECIFY)	DRIVE SHOE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO JOINTS: <input checked="" type="checkbox"/> THREADED <input type="checkbox"/> WELDED <input type="checkbox"/> GLUED
<b>PACKER INFORMATION</b>	USED ON CASING?	PACKER DEPTH (FT.)	USED ON LINER?	PACKER DEPTH (FT.)	
<b>CASING GROUTING DETAILS</b>	TYPE OF SEAL <input checked="" type="checkbox"/> FULL LENGTH <input type="checkbox"/> TOP <input type="checkbox"/> BOTTOM	MATERIAL USED <input checked="" type="checkbox"/> NEAT CEMENT <input type="checkbox"/> BENTONITE <input type="checkbox"/> CUTTINGS <input type="checkbox"/> OTHER	DEPTH OF SEAL TOP <b>SURF.</b> BOTTOM <b>TO</b>	SACKS OF CEMENT OR BENTONITE USED TOP <b>6</b> BOTTOM	DRILLING SUSPENDED 72 HRS. AFTER GROUTING? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>12 HRS.</b>
<b>LINER DETAILS</b>	LENGTH <b>310'</b> DIAM. (IN.) <b>4 1/2"</b>	WEIGHT OR SDR NO. <b>9 1/2 LB</b>	DEPTH FROM LAND SURFACE <b>309'06"</b>	JOINTS: <input checked="" type="checkbox"/> THREADED <input type="checkbox"/> WELDED <input type="checkbox"/> GLUED	MATERIAL: <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> PLASTIC <input type="checkbox"/> OTHER (SPECIFY)
<b>LINER GROUTING DETAILS</b>	TYPE OF SEAL <input checked="" type="checkbox"/> FULL LENGTH <input type="checkbox"/> TOP <input type="checkbox"/> BOTTOM	MATERIAL USED <input checked="" type="checkbox"/> NEAT CEMENT <input type="checkbox"/> BENTONITE <input type="checkbox"/> OTHER	DEPTH OF SEAL TOP <b>TO</b> BOTTOM	SACKS OF CEMENT OR BENTONITE USED TOP <b>43</b> BOTTOM	
<b>SCREEN DETAILS</b>	MAKE OR TYPE <input checked="" type="checkbox"/> BAILED <b>SWAB</b>	LENGTH OPEN TO AQUIFER (FT.)	SLOT SIZE	DIAM. (IN.)	THICKNESS OF GRAVEL PACK
<b>YIELD TEST</b>	<input type="checkbox"/> PUMPED <input type="checkbox"/> COMPRESSED AIR	HOURS <b>4</b>	YIELD (GPM) <b>2</b>	WATER LEVEL <b>65'</b>	MEASURE FROM LAND SURFACE STATIC (FT.)
<b>ABANDONED WELL</b>	IS THERE AN ABANDONED WELL? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	WAS IT PROPERLY SEALED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	WELL DISINFECTED AFTER DRILLING? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TYPE OF TOP CASING SEAL <input type="checkbox"/> PITLESS ADAPTER <input type="checkbox"/> WELL SEAL <input type="checkbox"/> OTHER	
<b>COMPLETION DATA</b>	PUMP CAPACITY _____ GPM _____ HP	MAKE OF PUMP _____	TYPE OF DROP PIPE <input type="checkbox"/> PLASTIC <input type="checkbox"/> GALVANIZED	WELL DISINFECTED AFTER SETTING PUMP? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PUMP SET BY: <input type="checkbox"/> PUMP INSTALLER <input type="checkbox"/> OWNER <input type="checkbox"/> DRILLER
<b>DEPTH FROM LAND SURFACE</b>	<b>FORMATION DESCRIPTION</b>		<b>DIAMETER OF DRILL HOLE</b>	<b>LOCATION OF WELL</b>	
FEET TO FEET				SHOW LOCATION IN SECTION PLAT	
<b>0'</b>	<b>310'</b>	<b>PENNSYLVANIAN</b>	<b>SURF. 8 5/8"</b>	AREA NO. <b>A-2</b>	
			<b>BAL. HOLE: 6 1/4"</b>	COUNTY <b>BATES</b>	
				SURFACE ELEVATION <b>923'</b>	
				TWN <b>41</b> N. RNG <b>32</b> EOR W	
				TOTAL DEPTH OF WELL <b>310</b>	
IF YIELD WAS TESTED AT DIFFERENT DEPTHS DURING DRILLING, LIST BELOW.					
FEET	GALLONS PER MINUTE		SKETCH EXACT LOCATION OF WELL WITH DISTANCES TO AT LEAST TWO PERMANENT LANDMARKS. ALSO SHOW ABANDONED WELL. FOR MONITORING WELLS, LANDMARKS ARE TEMPORARY AND PERMANENT BENCHMARKS.		
			<b>SEE SURVEY ATTACHED</b>		
NOTES. MILEAGE AND DIRECTION FROM NEAREST TOWN OR HIGHWAY			I HEREBY CERTIFY THAT THE WELL HEREIN DESCRIBED WAS CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF WATER SUPPLY WELLS AND/OR MONITORING WELLS.		
<b>SEE SURVEY ATTACHED</b>			SIGNATURE (WELL DRILLER) <b>PENSE BROS. DRILLING Co. Inc</b>		SIGNATURE (PUMP INSTALLER)
			DATE <b>1/10/96</b>		DATE
			PERMIT NO. (WELL DRILLER) <b>001901</b>		PERMIT NO. (PUMP INSTALLER)
<b>INFORMATION TO BE SUPPLIED BY OWNER</b>			<b>FOR MONITORING WELLS ONLY</b>		
<b>PROPOSED USE OF WELL</b>	<input checked="" type="checkbox"/> DOMESTIC (1 TO 3 CONNECTIONS) <input type="checkbox"/> PUBLIC WATER SUPPLY <input type="checkbox"/> HEAT PUMP <input type="checkbox"/> OTHER (SPECIFY)		<input type="checkbox"/> MULTIPLE FAMILY <input type="checkbox"/> NON-COMMUNITY <input type="checkbox"/> IRRIGATION <input type="checkbox"/> MONITORING		WELL POINT NUMBER
SIGNATURE (WELL OWNER) <b>Danny Lee Hahn</b> DATE <b>1-10-96</b>			WASTE MANAGEMENT IEPA ID-NO.		MEAN SEA LEVEL ELEVATION OF WELL
			SITE TYPE <input type="checkbox"/> RCRA <input type="checkbox"/> SUPERFUND <input type="checkbox"/> LANDFILL <input type="checkbox"/> OTHER		

MO 780-0230 (9-90)

DISTRIBUTION: WHITE/DRILLER CANARY/DIVISION PINK/WELL OWNER  
MAIL CANARY COPY TO: WELL DRILLER'S FUND, P.O. BOX 250, ROLLA, MO 65401.  
ENCLOSE \$35 WATER WELL CERTIFICATION FEE WITHIN 60 DAYS AFTER WELL COMPLETION.