



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., a Missouri corporation DATE: 6/26/90
 ADDRESS: 800 Newberry Street CITY: Fredericktown STATE: MO ZIP CODE: 63645
P. O. Box 551

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: W. A. Warner, et ux WELL NUMBER: 1 ELEVATION (GROUND): 789'

WELL LOCATION: (GIVE FOOTAGE FROM SECTION LINE)
600 FT. FROM (N) SECTION LINE 1800 FEET FROM (W) SECTION LINE

WELL LOCATION: SECTION: N/2 E/2 W/2 of Fractional Sec. 1, TOWNSHIP: 42 N RANGE: 31 W COUNTY: 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: N/A FEET

PROPOSED DEPTH: 499' DRILLING CONTRACTOR, NAME AND ADDRESS: Pense Bros. Drg. Co., Inc. Box 551, Fredericktown, MO 63645 ROTARY OR CABLE TOOLS: Rotary (Air) APPROX. DATE WORK WILL START: 7/05/90 or on permit

NUMBER OF ACRES IN LEASE: 563.98 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 1
 NUMBER OF ABANDONED WELLS ON LEASE: 0

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

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>17 lbs</u>	<u>to surf</u>	<u>50'</u>	<u>7"</u>	<u>17 lbs/ft</u>	<u>to surface</u>
<u>TD to surf</u>	<u>4 1/2"</u>	<u>9.5 lbs</u>	<u>to surf</u>	<u>TD to surf.</u>	<u>4 1/2"</u>	<u>9.5 lbs/ft</u>	<u>to surface.</u>

I, the undersigned, state that I am the Assistant Vice 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: B. E. Blancett DATE: 6/26/90

PERMIT NUMBER: #20518 APPROVAL DATE: 7/10/90 APPROVED BY: Jane Holby Williams KLD

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 IS 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: _____

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

WELL REFERENCE TIES IN THE
 $N\frac{1}{2}E\frac{1}{2}W\frac{1}{2}$ OF FRACTIONAL SECTION
 1, TOWNSHIP 42 NORTH, RANGE
 31 WEST OF THE 5TH PRINCIPAL
 MERIDIAN IN CASS COUNTY,
 MISSOURI.

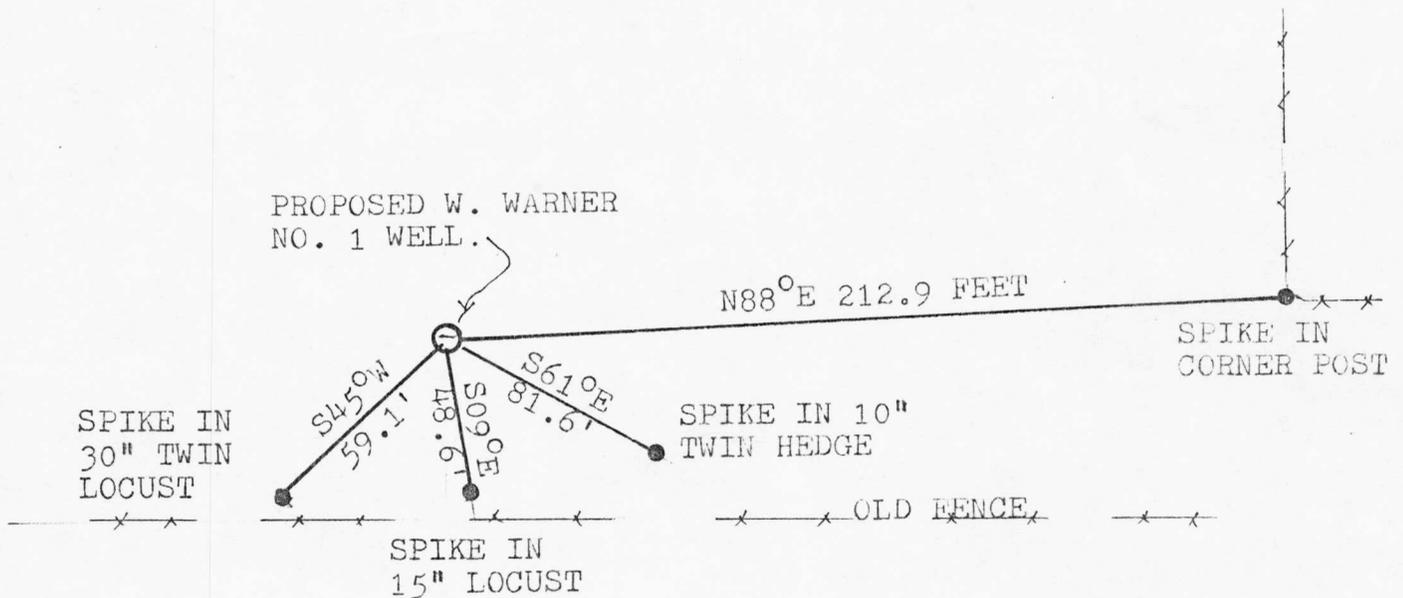


1"=50'

MAGNETIC BEARINGS
 8° EAST DECLINATION

W. WARNER NO. 1 WELL

FOR: PENSE BROTHERS DRILLING CO. INC.



SHEET 2 OF 2

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 LS-1539

MAY 2, 1990

T 43N

T 42N

HALL

SEC LINE

SEE MAP NO. 19-09

16

1800' ±

600' ±

PROPOSED WELL

WARNER

5400 AC
1" = 400'
T 42N
R 31W

30.89 AC
6

1700 AC

SEC LINE

WELL LOCATION MAP - CASS COUNTY TAX MAP 23-01
PROPOSED W. WARNER NO. 1 WELL IN THE NORTH
HALF OF THE EAST HALF OF THE WEST HALF OF
FRACTIONAL SECTION 1, TOWNSHIP 42 NORTH,
RANGE 31 WEST OF THE 5TH PRINCIPAL MERIDIAN
IN CASS COUNTY, MISSOURI.

WILLIAM C. LETHCHO IS-1539
BATES COUNTY SURVEYOR
COURTHOUSE
BUTLER, MO. 64730
SHEET 1 OF 2

5292

105.39 AC

62.39 AC (D)
71.65 AC

CO ROAD



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 BRDS. DRLG. CO., INC.		ADDRESS Box 551, FREDERICKTOWN, MO 63645	
LEASE NAME W.A. WARNER, ET UX		WELL NUMBER #1	
LOCATION FRACTIONAL SECTION 1		SEC. TWP. AND RANGE OR BLOCK AND SURVEY SEC. 1, T 42N, 31W	
COUNTY CASS	PERMIT NUMBER (OGC-3 OR OGC-31) 20516		
DATE SPUDDED 8/01/90	DATE TOTAL DEPTH REACHED 8/03/90	DATE COMPLETED READY TO PRODUCE OR INJECT N/A DRY HOLE	ELEVATION (DF, RKR, RT, OR Gr.) FEET 789' GY (TOP)
TOTAL DEPTH 505'	PLUG BACK TOTAL DEPTH N/A		
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION NIL		ROTARY TOOLS USED (INTERVAL) 0' TO 505'	CABLE TOOLS USED (INTERVAL) NIL
DRILLING FLUID USED AIR + WATER	WAS THIS WELL DIRECTIONALLY DRILLED? NO		WAS COPY OF DIRECTIONAL SURVEY FILED? NO
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) NO MECHANICAL LOGS - LITHOLOGY ONLY		DATE FILED 8/23/90	

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
SURFACE	8 5/8"	7"	17 LBS.	50'08"	6	NIL

TUBING RECORD				LINER RECORD			
SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
IN.	FEET	FEET	INCH	FEET	FEET		FEET
		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
	N/A		N/A	JUL 20 1995

Oil & Gas Council

DATE OF FIRST PRODUCTION OR INJECTION NIL		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP) WATER APPROXIMATED WHILE DRILLING @ 860 BBL/DAY					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY	
			bbis	MCF	bbis	API (CORR)	
TUBING PRESSURE	CASING PRESSURE	CAL'ED RATE OF PRODUCTION PER 24 HOURS		OIL	GAS	WATER	GAS OIL RATIO
				bbis	MCF	bbis	

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

METHOD OF DISPOSAL OF MUD PIT CONTENTS **DRILLED WITH AIR ROTARY & WATER - CUTTINGS ONLY IN PIT - LANDOWNER REQUEST LEAVE PIT FOR POSSIBLE WATER DAM**

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **ASSY. V.P.** OF THE **PENSE BRDS. 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 **7/14/95** SIGNATURE **PENSE BRDS. DRLG. CO., INC. B E Blaugett**
By: B.E. BLAUGETT, ASSY. V.P.



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

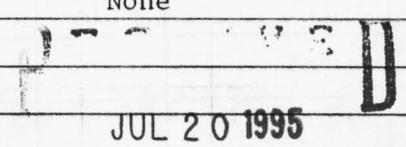
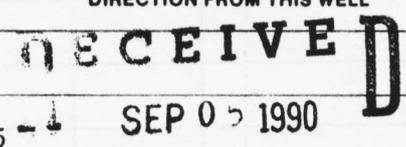
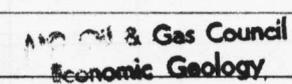
FORM OGC-6

NAME OF LEASE W. A. Warner and Clissie Mae Warner, husband and wife, Rt. 1, Box 176, Archie, MO 64725		DATE 8/23/90	
WELL NUMBER 1	LOCATION 600 FEET FROM (N) SECTION LINE AND 1800 FEET FROM (W) SECTION LINE OF		
SECTION Fractional Sec 1	TOWNSHIP 42N	RANGE 31W	COUNTY Cass
THE ELEVATION OF THE GROUND AT WELL SITE IS 789 FEET ABOVE SEA LEVEL.		PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) 20516	
NAME OF CONTRACTOR OR COMPANY THAT WILL DO WORK IS: Pense Brothers Drilling Co., Inc., a Missouri corporation,			
ADDRESS 800 Newberry Street P. O. Box 551		CITY Fredericktown	STATE MO
ZIP CODE 63645			
DETAILS OF WORK (INDICATE SIZE, KIND, AND DEPTH OF PLUGS, WHERE CASING WILL BE PULLED, OTHER PERTINENT DETAILS)			
<p>Per correspondence from Missouri Department of Natural Resources, dated 8/16/90, no plugs are required and the 50.8' of surface casing, cemented to surface, is adequate for the completion of the well for water.</p> <p>Concrete apron 3' square around 7" casing at ground level and 7" swedge reduced to 2" ball valve installed on protruding 7" surface casing.</p> <p>Surface owner has signed OGC-8 (Well conversion agreement) and requests delay pit restoration until test pumping of water well completed.</p> <p>Well had no oil, gas, or other mineral shows, but did indicate approximately 860 barrels of water per day from the Mississippi Formation at approximately 490' to 498' from surface.</p> <p>Surface owner plans to run submersible pump with approximately 125' polyethylene pipe.</p>			
CERTIFICATE: I, the undersigned, state that I am the <u>Assistant V. P.</u> of the <u>Pense Bros. Drg. Co., Inc</u> (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 Pense Brothers Drilling Co., Inc. By: <i>B. E. Blancett</i> B. E. Blancett, Assistant V. P.		DATE 8/23/90	



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

FORM OGC-7

OWNER Pense Brothers Drilling Co., Inc.		ADDRESS Box 551, Fredericktown, MO 63645			
NAME OF LEASE W. A. & Clissie Mae Warner, h & w,		WELL NUMBER 1	PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) 20516		
LOCATION OF WELL N/2 E/2 W/2 Fractional Sec. 1, Twp 42N, Rge 31W,		SEC-TWP-RNG OR BLOCK & SURVEY		COUNTY Cass	
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: Above named Owner		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) None GAS (MCF/DAY) None		DRY? Dry
DATE ABANDONED 8/23/90	TOTAL DEPTH 505'	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) None GAS (MCF/DAY) None		WATER (BBL/DAY) Test approx 860BWPD	
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	
None		N/A		N/A	
				Size, kind, & depth of plugs used, giving amount cement.	
SIZE PIPE 7"	PUT IN WELL (FT) 50' 08"	PULLED OUT (FT) None	LEFT IN WELL (FT) 50' 08"	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.) N/A	PACKERS AND SHOES None
				 	
WAS WELL FILLED WITH MUD-LADEN FLUID? No- Landowner has requested hole for water well.		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER Mississippi - 490' to 498'			
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
NAME		ADDRESS		DIRECTION FROM THIS WELL	
No adjacent lease operators		other than subject operator.		 	
Surface Owner: W. A. & Clissie Mae Warner		Rt. 1, Box 176, Archie, MO 64725			
METHOD OF DISPOSAL OF MUD PIT CONTENTS		No mud or additives used in drilling. Drill cuttings only in pit and landowner has asked delay of pit restoration for water tests.			
NOTE FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL) Landowner has completed OGC-8					
CERTIFICATE I, the undersigned, state that I am the <u>Assistant V. P.</u> of the <u>Pense Bros. Drg. Co., Inc</u> (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 Pense Brothers Drilling Co., Inc. By: B. E. Blancett <i>B. E. Blancett</i>				DATE 8/23/90	



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

FORM OGC-8

This agreement is made this 23rd day of August, 1990, between Pense Brothers Drilling Co., Inc., of Box 551, Fredericktown, MO, 63645, owner of the following described well or test hole, hereinafter called "operator," and W. A. Warner and Clissie Mae Warner, husband and wife, of Rt. 1, Box 176, Archie, MO, 64725, owner of surface rights ^{and mineral 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 W. A. Warner, et ux, No. 1 and is located in the N/2 E/2 W/2 of Fractional Section 1, Township 42N, Range 31W, Cass 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.

RECEIVED
 SEP 05 1990

MO Oil & Gas Council
 Economic Geology

WITNESS SIGNATURE <i>Mary Lou Reddell</i> Mary Lou Reddell	DATE 8/23/90	OPERATOR SIGNATURE Pense Brothers Drilling Co., Inc By: <i>B. E. Blancett</i> By: B. E. Blancett, Asst V P	DATE 8/23/90
WITNESS SIGNATURE <i>Donald H. Warner</i>	DATE 8/23/90	LANDOWNER SIGNATURE <i>William K. Warner</i>	DATE 8/23/90

PENSE BROS. DRG. CO., INC. - ELEVATION: 789' (TOPO)
W. WARNER No. 1 WELL - PERMIT NO. 20516

RECORDED BY BCB
DATE 7/15/90

SURFACE CASING 50' 08" CEMENTED TO SURFACE
N/2 E/2 W/2 FRACTIONAL SEC. 1, 42N-31W, CASS CO, MO
SPUDDED 7-11-90 DRILLING COMPLETED: 7-12-90

- 0 - 2 TOPSOIL, DARK BROWN CLAY LOAM TO LIGHT BROWN CLAY AT BASE.
- 2 - 10 LIMESTONE, LIGHT GREY TO TAN, DENSE, IMBEDDED SHALE PARTICLES, WITH CLAY STRIATIONS AT BASE.
- 10 - 20 SHALE, FEW SHALY LIMESTONE PARTICLES, DENSE TO FRIABLE, GREY TO BLUE-GREY
- 20 - 25 LIMESTONE, DENSE, WHITE TO BUFF
- 25 - 45 SHALE, SILTY TO SANDY, GREY TO BLUE-GREY TO DARK GREY.
- 45 - 57 LIMESTONE, DENSE, VERY FEW PARTICLES WITH NEGLIGIBLE FLUORESCENCE AND OIL STAINING, TAN TO BUFF.
- 57 - 130 SHALE, SOME SLIGHTLY BITUMINOUS, SILTY AT BASE, GREY TO LIGHT GREY.
- 130 - 140 SILTSTONE WITH SANDSTONE STRIATIONS, SOME MICA, LIGHT GREY.
- 140 - 195 SANDSTONE, ANGULAR TO SUBROUNDED, SLIGHTLY CALCITIC, TRACES PYRITE & LIMESTONE STRIATION AT BASE, TAN TO GREY
- 195 - 200 SHALE, DENSE, LIGHT GREY
- 200 - 205 CONGLOMERATE, SILTSTONE + SOAPSTONE + SHALE, SLIGHTLY CALCITIC, TAN TO GREY
- 205 - 210 SILTSTONE WITH SLIGHT COAL STRIATION, DARK GREY
- 210 - 225 SHALE, DENSE TO FRIABLE AT BASE, SLIGHTLY CALCITIC, GREY TO DARK GREY
- 225 - 230 SILTSTONE, SHALY, GREY TO DARK GREY, SHALE STRIATIONS
- 230 - 235 SHALE, SANDY, GREY TO DARK GREY
- 235 - 240 SILTSTONE, DENSE, FINE GRAINED, SLIGHT SANDSTONE STRIATIONS, LIGHT GREY
- 240 - 275 SANDSTONE, FINE, DENSE, ANGULAR TO SUBROUNDED, SOME MICA, CALCITIC, SLIGHT RESIDUAL OIL STAINING IN FEW FEET.
- 275 - 320 SHALE, SILTY TO SANDY AT BASE, GREY TO BLUE-GREY
- 320 - 335 SANDSTONE, ANGULAR TO SUBROUNDED, SLIGHTLY CALCITIC, TRACES PYRITE + GLAUCONITE, GREY TO TAN.
- 335 - 480 SHALE, DENSE, GREY TO BLUE GREY
- 480 - 505 LIMESTONE, DENSE WITH POROSITY STREAK 490' TO 498' WITH WATER (GOOD), WHITE TO TAN TO BUFF. T.D. 505'

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGY AND LAND SURVEY
P.O. Box 250, 111 Fairgrounds Road
Rolla, MO 65401
314-364-1752

Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

August 16, 1990

Mr. William Blancett
Pense Bros. Drilling Co. Inc.
100 South Old Hwy 71
P.O. Box 398
Adrian, MO 64720

Dear Mr. Blancett:

Per your request for well conversion of W. A. Warner 1 (permit 20516):
50.8 feet of casing is adequate for the completion of the well for water.
Please file form OGC-8 and describe the manner in which the water well is
completed.

If you have any questions, please feel free to call on me.

Sincerely,

WELLHEAD PROTECTION

A handwritten signature in cursive script that reads "Kenneth L. Deason".

Kenneth L. Deason,
Geologist, UIC/Oil and Gas Unit

KLD:lj

RECEIVED
JUL 20 1995

O Oil & Gas Council



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY

**WATER WELL RECORD
AND
PUMP INFORMATION RECORD**

(PLEASE PRINT CLEARLY)

DO NOT FILL IN		RECEIVED FEB 15 1996	
REF. NO.	98749	CHECK NO.	2009
CROSS REFERENCE NO.		TRIBUTARY NO.	888759
STATE WELL NUMBER		ROUTE	W01 WNT
CHECKED BY	SA	ENTERED	Ph1 ✓ Ph2 ✓ Ph3 ✓
APPROVED BY		DATE APPROVED	

OWNER		NAME W. A. WARNER (W.A. WARNER #1-PERMIT 20516)		TELEPHONE NO. 816-293-5420	
ADDRESS RT. 1, BOX 176		CITY ARCHIE		STATE MO	ZIP CODE 64725
OWNER STATUS	<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
DRILLING CONTRACTOR	NAME PENSE BROTHERS DRILLING CO., INC.		PUMP CONTRACTOR NAME		
DRILLING EQUIPMENT	<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) _____ <input type="checkbox"/> OTHER (SPECIFY) _____				DATE COMPLETED 8-23-90
CASING DETAILS	LENGTH 50'08"	DIAM. (IN.) 7"	WEIGHT OR SDR NO. 19.5	DIAM. OF DRILL HOLE 9 5/8"	MATERIAL: <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> PLASTIC <input type="checkbox"/> OTHER (SPECIFY) _____
PACKER INFORMATION	USED ON CASING? <input type="checkbox"/> YES <input type="checkbox"/> NO		PACKER DEPTH (FT.)		USED ON LINER? <input type="checkbox"/> YES <input type="checkbox"/> NO
CASING GROUTING DETAILS	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 <u>SURE</u> BOTTOM <u>TO</u> FULL LENGTH <input checked="" type="checkbox"/>
LINER DETAILS	LENGTH	DIAM. (IN.)	WEIGHT OR SDR NO.	DEPTH FROM LAND SURFACE	JOINTS: <input type="checkbox"/> THREADED <input type="checkbox"/> WELDED <input type="checkbox"/> GLUED
LINER GROUTING DETAILS	TYPE OF SEAL <input type="checkbox"/> FULL LENGTH <input type="checkbox"/> TOP <input type="checkbox"/> BOTTOM		MATERIAL USED <input type="checkbox"/> NEAT CEMENT <input type="checkbox"/> BENTONITE <input type="checkbox"/> OTHER		SACKS OF CEMENT OR BENTONITE USED TOP _____ BOTTOM _____ FULL LENGTH <u>6</u>
SCREEN DETAILS	MAKE OR TYPE	LENGTH OPEN TO AQUIFER (FT.)	SLOT SIZE	DIAM. (IN.)	THICKNESS OF GRAVEL PACK
YIELD TEST	<input checked="" type="checkbox"/> BAILED <u>SWABBED</u> <input type="checkbox"/> PUMPED <input type="checkbox"/> COMPRESSED AIR		HOURS 2	YIELD (GPM) 25	WATER LEVEL 65
ABANDONED WELL	IS THERE AN ABANDONED WELL? <input type="checkbox"/> YES <input type="checkbox"/> NO		WAS IT PROPERLY SEALED? <input type="checkbox"/> YES <input type="checkbox"/> NO		WELL DISINFECTED AFTER DRILLING? <input type="checkbox"/> YES <input type="checkbox"/> NO
COMPLETION DATA	PUMP CAPACITY ____ GPM ____ HP		MAKE OF PUMP ____		PUMP SET BY: <input type="checkbox"/> PUMP INSTALLER <input type="checkbox"/> OWNER <input type="checkbox"/> DRILLER
TYPE OF DROP PIPE <input type="checkbox"/> PLASTIC <input type="checkbox"/> GALVANIZED		WELL DISINFECTED AFTER SETTING PUMP? <input type="checkbox"/> YES <input type="checkbox"/> NO		NOT TO BE INSTALLED UNTIL _____	
DEPTH FROM LAND SURFACE		FORMATION DESCRIPTION		DIAMETER OF DRILL HOLE	
FEET TO FEET					
0	50'08"	PENNSYLVANIAN		9 5/8"	
50	480	PENNSYLVANIAN		6 1/4"	
480	505	MISSISSIPPI		6 1/4"	
LOCATION OF WELL					
SHOW LOCATION IN SECTION PLAT			AREA NO. <u>2 A2</u>		
			COUNTY <u>CASS</u>		
TWN <u>42N</u> N. RNG <u>31W</u> E OR W			SURFACE ELEVATION _____		
TOTAL DEPTH OF WELL <u>505'</u>			SEC. <u>1</u>		
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.					
SEE ATTACHED SURVEY					
IF YIELD WAS TESTED AT DIFFERENT DEPTHS DURING DRILLING, LIST BELOW.					
FEET		GALLONS PER MINUTE			
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.					
NOTES, MILEAGE AND DIRECTION FROM NEAREST TOWN OR HIGHWAY			SIGNATURE (WELL DRILLER)		
SEE ATTACHED SURVEY			PENSE BROS. DRILLING CO., INC.		
			DATE <u>2/09/96</u>		
SIGNATURE (WELL OWNER)			SIGNATURE (PUMP INSTALLER)		
DATE <u>2/10/96</u>			DATE _____		
PERMIT NO. (WELL DRILLER)			PERMIT NO. (PUMP INSTALLER)		
<u>001901</u>			_____		
INFORMATION TO BE SUPPLIED BY OWNER					
<input checked="" type="checkbox"/> DOMESTIC (1 TO 3 CONNECTIONS) <input type="checkbox"/> MULTIPLE FAMILY <input type="checkbox"/> PUBLIC WATER SUPPLY <input type="checkbox"/> NON-COMMUNITY <input type="checkbox"/> HEAT PUMP <input type="checkbox"/> IRRIGATION <input type="checkbox"/> OTHER (SPECIFY) _____ <input type="checkbox"/> MONITORING			WELL POINT NUMBER		
SIGNATURE (WELL OWNER)			WASTE MANAGEMENT (EPA ID-NO.)		
DATE <u>2/10/96</u>			<u>W01 APR 25 1996</u>		
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.