

Permit #: 20057

Date Issued: 09-23-91

County: BATES

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 7-14-95

COMMENTS:

OCC FORMS	Date Received
1	
2	
3	<u>09-20-93</u>
3i	
4	<u>09-20-93</u>
4i	
5	<u>7-18-95</u>
6	<u>7-18-95</u>
7	<u>7-18-95</u>
8	<u>7-18-95</u>
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core		

Additional Submitted Data:



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 9/16/91	
ADDRESS P.O. Box 551	CITY FREDERICKTOWN	STATE MO	ZIP CODE 63645

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE JAMES H. PHILLIPS, ET UX	WELL NUMBER 1	ELEVATION (GROUND) 1010 (70FO)
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) 2250 FT. FROM (S) SECTION LINE 2030 FEET FROM (W) SECTION LINE		

WELL LOCATION	SECTION	TOWNSHIP	RANGE	COUNTY
NE 1/4 SW 1/4	24	42 N	33 W	BATES

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE **610** FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE **N/A** FEET

PROPOSED DEPTH 475'	DRILLING CONTRACTOR, NAME AND ADDRESS PENSE BROS DR. CO., P.O. Box 551 FREDERICKTOWN, MO 63645	ROTARY OR CABLE TOOLS ROTARY (AIR)	APPROX DATE WORK WILL START ON APPROVAL
NUMBER OF ACRES IN LEASE 2.40	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 1		
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?			NUMBER OF ABANDONED WELLS ON LEASE N/A

NAME N/A	NO. OF WELLS: PRODUCING 0
ADDRESS	INJECTION 0
	INACTIVE 0
	ABANDONED 0

STATUS OF BOND	<input type="checkbox"/> SINGLE WELL AMOUNT \$	<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$20,000.00	<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.)

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
50'	7"	17.5 LBS.	To SURF	50'	7"	17.5 LBS	To Surf.
TD TO SURF	4 1/2"	9 LBS.	TD SURF	TD To Surf.	4 1/2"	9 LBS	To Surf.

I, the undersigned, state that I am the **ASSISTANT VICE PRESIDENT** of the **PENSE BROS. DR. 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. Blaucett B. E. BLANCETT, ASST. V.P.	DATE 9/16/91
---	------------------------

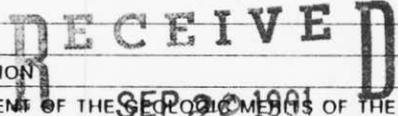
PERMIT NUMBER 20057	<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED	<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN
APPROVAL DATE 9/23/91	<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN	<input checked="" type="checkbox"/> DRILL STEM TEST INFO. REQUIRED IF RUN
APPROVED BY James Holly Williams	<input checked="" type="checkbox"/> SAMPLES REQUIRED	
	<input 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 METHODS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITEE.

I, _____ of the _____ **MO Oil & Gas Council** 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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MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

RECEIVED Form OGC-5
JUL 18 1995

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: **JAMES H. PHILLIPS, ET UX** WELL NUMBER: **#1**

LOCATION: **NE/4 SW/4** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **SEC. 24, T 42N, R 33W,**

COUNTY: **BATES** PERMIT NUMBER (OGC-3 OR OGC-31): **20057**

DATE SPUNDED: **9/19/91** DATE TOTAL DEPTH REACHED: **9/21/91** DATE COMPLETED READY TO PRODUCE OR INJECT: **9/24/91** ELEVATION (DF, RKR, RT, OR Gr.): **1010' GY (TOP)** ELEVATION OF CASING HD FLANGE: **1012'** FEET

TOTAL DEPTH: **475'** PLUGBACK TOTAL DEPTH: **N/A**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **424' thru 434'** ROTARY TOOLS USED (INTERVAL): **0' TO 475'** CABLE TOOLS USED (INTERVAL): **NIL**
DRILLING FLUID USED: **NIL (AIR)**

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): **GAMMA RAY - NEUTRON - LITHOLOGY** DATE FILED: **7/14/95**

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	9 5/8"	7"	17.5 LBS	53' 07"	7	NIL
PROD. CSG.	6 1/4"	4 1/2"	9.5 LBS	470'	63	NIL

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
N/A	IN - SWABBED ONLY	FEET	INCH	FEET	FEET		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
3	3-1/8" DMX-MSC	424 thru 434	250 gal 15% HCl 5000 LB SAND	424 THRU 434

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: **NIL** PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP): **(SWABBED 2 HRS. - SOME GAS - MOSTLY WATER)**

DATE OF TEST: **7/14/95** HOURS TESTED: **7.5 HR** CHOKER SIZE: **7.5 IN** OIL PRODUCED DURING TEST: **7.5 bbls** GAS PRODUCED DURING TEST: **7.5 MCF** WATER PRODUCED DURING TEST: **7.5 bbls** OIL GRAVITY: **API (CORR)**

TUBING PRESSURE: **7.5** CASING PRESSURE: **7.5** CALC'ED RATE OF PRODUCTION PER 24 HOURS: **7.5** OIL: **7.5 bbls** GAS: **7.5 MCF** WATER: **7.5 bbls** GAS OIL RATIO: **7.5**

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD): **7.5**

METHOD OF DISPOSAL OF MUD PIT CONTENTS: **ROTARY AIR DRILLED - CUTTINGS ONLY IN PIT - LEVELLED @ TOP SOIL TO SURFACE - NOW GRASSED.**

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **ASST. 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. BLANCETT BY: B.E. BLANCETT, ASST. V.P.**

1
OF
2

PHILLIPS # 1 WELL - NE 1/4 SW 1/4 24-42-33

CASS CO., MD - PERMIT #

CL: (GL) 1010' (TAD)

FILED BY: BBG
DATE: 7/19/91

- 0-3 TOPSOIL, REDDISH BROWN CLAY LOAM
- 3-10 LIMESTONE, CRYSTALLINE TO UNBEDDED QUARTZ, WHITE TO CREAM
- 10-20 SHALE, CARBONACEOUS, DENSE, DARK GREY TO BLACK
- 20-30 SHALE, GREY TO LIGHT GREY
- 30-40 LIMESTONE, DENSE, BROWN TO TAN
- 40-165 SHALE, GREY TO DARK GREY, VARIEGATED
- 165-175 CLAY AND SHALE, EARTHY, REDDISH BROWN
- 175-230 SHALE, MOSTLY DENSE, GREY TO BLUE GREY, FEW PARTICLES SILTSTONE, SLIGHTLY CALCIC, AT BASE
- 230-250 SANDSTONE, WHITE TO GREY, SLIGHTLY SHALY IN SECTIONS, SLIGHT OIL SHOW & GAS EMANATION 240' TO 250'
- 250-255 SHALE STRIATION, DENSE, GREY, TO LIMESTONE @ 253
- 255-275 LIMESTONE, MOSTLY DENSE, BUFF TO WHITE TO GREY, FEW PARTICLES COAL & SHALE 255' TO 260', VERY SLIGHT OIL CUT 260' TO 275'
- 275-275 GAS TEST 275' - SLIGHT BLOW, TOO SMALL TO MEASURE
- 275-276 LIMESTONE AS ABOVE.
- 276-290 SHALE, SILTY, GREY, WITH SILTSTONE AT BASE.
- 290-300 SILTSTONE TO SANDSTONE, SLIGHT COAL SEAM & CONGLOMERATE NEAR TOP, VERY SLIGHT OIL CUT, FLUORESCENCE, AND GAS EMANATION.
- 300-305 SANDSTONE, FAIR OIL CUT, FLUORESCENCE, AND GAS EMANATION
- 305-310 CONGLOMERATE, LIMESTONE, SANDSTONE, SHALE, & COAL PARTICLES NEGLIGIBLE FLUORESCENCE ON FEW PARTICLES
- 310-325 SHALE, SILTY, CALCAREOUS, GREY
- 325-325 GAS TEST 325' 30 LB ON 1/8" CHORE - 19 MCF
- 325-340 LIMESTONE, DENSE, WHITE TO BUFF, NO SHOW OIL OR GAS
- 340-345 CONGLOMERATE, LIMESTONE, SHALE-BLACK, POSSIBLE COAL PARTICLES, SLIGHT OIL

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PHILLIPS #1 WELL, CONT'D.

PREPARED BY BEB
DATE 9/19/91

- 1 345-360 SHALE, CALCAREOUS, DARK GREY TO GREY, SILTY AT BASE.
- 2 360-368 CONGLOMERATE, SHALE, SILTSTONE, POSSIBLE FEW PARTICLES
- 3 COAL, SLIGHT MINERALIZATION.
- 4 368-375 2' LIMESTONE STRIATION, SHALE, DARK GREY, SLIGHTLY CALCAREOUS
- 5 375-395 SANDSTONE, FINE GRAINED, POORLY SORTED, GREY TO WHITE, SLIGHTLY
- 6 CALCITIC, SLIGHT FLUORESCENCE, OIL & GAS SHOW.
- 7 395-400 SANDSTONE, ROUNDED TO SUB-ROUNDED, SOME POROSITY, FAIR OIL CUT
- 8 & SOME GAS EMANATION
- 9 GAS TEST 400' (32 LB 1/8" CHOKER 19.9 MCF) (18 LB 1/4" CHOKER 45.9 MCF)
- 10 400-425 SANDSTONE, SOME MICA, GREY TO WHITE, NEGLIGIBLE FLUORESCENCE
- 11 TO SLIGHT FLUORESCENCE LASTS 5', SLIGHTLY CALCITIC, RESIDUAL
- 12 OIL STAINING 420' TO 425'
- 13 425-435 SANDSTONE, ROUNDED TO SUB-ROUNDED, SOME POROSITY, GREY TO
- 14 WHITE, FAIR TO GOOD OIL CUT, FLUORESCENCE & GAS EMANATION
- 15 CUTS FREE OIL.
- 16 435-440 SANDSTONE, SLIGHT FLUORESCENCE, SLIGHT CUT
- 17 440-445 CONGLOMERATE, LIMESTONE STRIATION, SHALE, POSSIBLE
- 18 THIN COAL BED, FEW PARTICLES SANDSTONE, SLIGHT FLUORESCENCE & CUT
- 19 445-450 CONGLOMERATE OF COAL PARTICLES & SHALE AT TOP WITH FEW
- 20 PARTICLES SANDSTONE, LIMESTONE IN BASAL SECTION. SLIGHT
- 21 TO NEGLIGIBLE FLUORESCENCE & CUT.
- 22 450-455 LIMESTONE, DENSE, WHITE TO BUFF
- 23 455-475 SHALE, GREY TO DARK GREY, SLIGHT COAL SEAMING.
- 24 GAS TEST 475' (22 LB 1/4 CHOKER - 49.4 MCF)

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

FORM OGC-8

NAME OF LEASE <i>JAMES H. PHILLIPS, ET UX</i>		DATE <i>7/14/95</i>	
WELL NUMBER <i>#1</i>	LOCATION <i>2250</i> FEET FROM (S) (S) SECTION LINE AND <i>2030</i> FEET FROM (W) (W) SECTION LINE OF		
SECTION <i>24</i>	TOWNSHIP <i>42N</i>	RANGE <i>33W</i>	COUNTY <i>BATES</i>
THE ELEVATION OF THE GROUND AT WELL SITE IS <i>1010 (TOP)</i> FEET ABOVE SEA LEVEL.		PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) <i>20057</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>MD</i>	ZIP CODE <i>63645</i>
DETAILS OF WORK (INDICATE SIZE, KIND, AND DEPTH OF PLUGS, WHERE CASING WILL BE PULLED, OTHER PERTINENT DETAILS)			
<p><i>HOLE DRILLED TO 475', 53'07" SURF CSG CEMENTED TO SURF</i> <i>Ⓢ 7 SACKS CEMENT, 470' 4 1/2' CSG. CEMENTED TO SURF</i> <i>Ⓢ 63 SACKS CEMENT, PERFORATED 424' THRU 434' TREATED</i> <i>WITH 250921 15% HCL @ 5000 LB. SAND. SLIGHT SHOW 925</i> <i>AT SWABBING WITH APPROX. 15 BBLs WATER PER DAY.</i></p> <p><i>Joseph A. Jacobs, DREXEL, MD. IS NOW OWNER OF</i> <i>THE SURFACE & MINERAL FORMERLY OWNED BY</i> <i>JAMES H. PHILLIPS, ET UX.; MR. JACOBS DESIRES TO</i> <i>KEEP & TAKE THIS WELL OVER FOR A WATER WELL.</i></p>			
<p>RECEIVED</p> <p>JUL 18 1995</p> <p>Oil & Gas Council</p>			
CERTIFICATE: I, the undersigned, state that I am the <i>ASST. V. P.</i> of the <i>Pense Bros Drilling 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>PENSE BROS DRILLING CO., INC.</i> <i>B. E. Blauvelt</i> <i>By: B. E. BLANCETT, ASST. V. P.</i>		DATE <i>7/14/95</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>JAMES H. PHILLIPS, ET AL</i>		WELL NUMBER <i># 1</i>	PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) <i>20057</i>
LOCATION OF WELL <i>NE/4 SW/4</i>		SEC-TWP-RNG OR BLOCK & SURVEY <i>SEC. 24, T 42N, R 33W</i>	COUNTY <i>BATES</i>
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF <i>PENSE BROS. DRLG. CO., INC.</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>SWABBED</i> GAS (MCF/DAY) <i>ONLY</i>	DRY?
DATE ABANDONED <i>7/14/95</i>	TOTAL DEPTH <i>475'</i>	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) <i>SLIGHT SHOW OIL</i> GAS (MCF/DAY) <i>TSTM</i>	WATER (BBL/DAY) <i>15 BBL.</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	Size, kind, & depth of plugs used, giving amount cement.
<i>SQUIRREL</i>	<i>SLIGHT SHOW GAS TSTM - WATER</i>	<i>424' THRU 434'</i>	<i>NIL</i>

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SIZE PIPE	PUT IN WELL (FT)	PULLED OUT (FT)	LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	Oil & Gas Council PACKERS AND SHOES
<i>7"</i>	<i>5' 7"</i>	<i>NIL</i>	<i>5' 7"</i>	<i>NIL</i>	<i>NIL</i>
<i>4 1/2"</i>	<i>470'</i>	<i>NIL</i>	<i>470'</i>	<i>NIL</i>	<i>FLOAT SHOE</i>

WAS WELL FILLED WITH MUD-LADEN FLUID? *NO - OWNER DESIRES FOR WATER WELL*

INDICATE DEEPEST FORMATION CONTAINING FRESH WATER *SQUIRREL - 424' THRU 434'*

NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

NAME	ADDRESS	DIRECTION FROM THIS WELL
<i>PENSE BROS. DRLG. CO., INC.</i>	<i>Box 551, FREDERICKTOWN, MO 63645</i>	<i>N/A.</i>

METHOD OF DISPOSAL OF MUD PIT CONTENTS *DRILLED WITH AIR ROTARY RIG, CUTTINGS ONLY IN PIT, FILLED WITH TOPSOIL TO SURFACE LEVEL, UDDN GRASSED OVER.*

NOTE: FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)

CERTIFICATE: I, the undersigned, state that I am the *ASST. V. P.* of the *Pense Bros Drllg 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 *PENSE BROS DRLG. CO., INC.*
By: B. E. BLANCETT, ASSY. V. P.

DATE *7/14/95*



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

FORM OGC 8

This agreement is made this 14th day of JULY, 1995, between
PENSE BROS. DRILG. CO., INC. of Box 551, FREDERICKTOWN, MD 63645,
owner of the following described well or test hole, hereinafter called "operator," and _____
JOSEPH A. JACOBS of DIREXEL, MO,
owner of surface rights to the land on which the following described well or test hole is situated,
hereinafter called "landowner."

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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 PHILLIPS # 1 O Oil & Gas Well and is
located NE 1/4 SW 1/4 OF SEC 24, T 42N, R 33W,
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.

Burt
WITNESS SIGNATURE
Burt A. [Signature]
WITNESS SIGNATURE
Burt A. [Signature]

DATE
7/14/95
DATE
7/14/95

OPERATOR SIGNATURE
PENSE BROS. DRILG. CO., INC.
By: B.E. Blaneitt, ASST. V.P.
LANDOWNER SIGNATURE
Joseph A. Jacobs

DATE
7/14/95
DATE
7/14/95

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	- - - - -				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		2 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>PENSE BROS. DRG. CO., INC.</u> Name <u>800 NEWBERRY ST., BOX 551</u> Street <u>FREDERICKTOWN</u> <u>MO</u> <u>63645</u> City State Zip Code			Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Field Name <u>BATES</u> State <u>MO</u> County _____ State _____ Area Name _____ Block Number _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number _____				
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>PHILLIPS NO. 1</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract:	Name _____ Mo. Day Yr. _____			Buyer Code _____ MO Oil & Gas Council	
(c) Estimated total annual production from the well:	_____ Million Cubic Feet				
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
9.0 Person responsible for this application:	<u>B. E. BLANCETT</u> <u>ASST. V.P.</u> Name Title <u>B. E. Blancett</u> Signature <u>12/30/92</u> <u>(314) 783-3347</u> Date Application is Completed Phone Number				

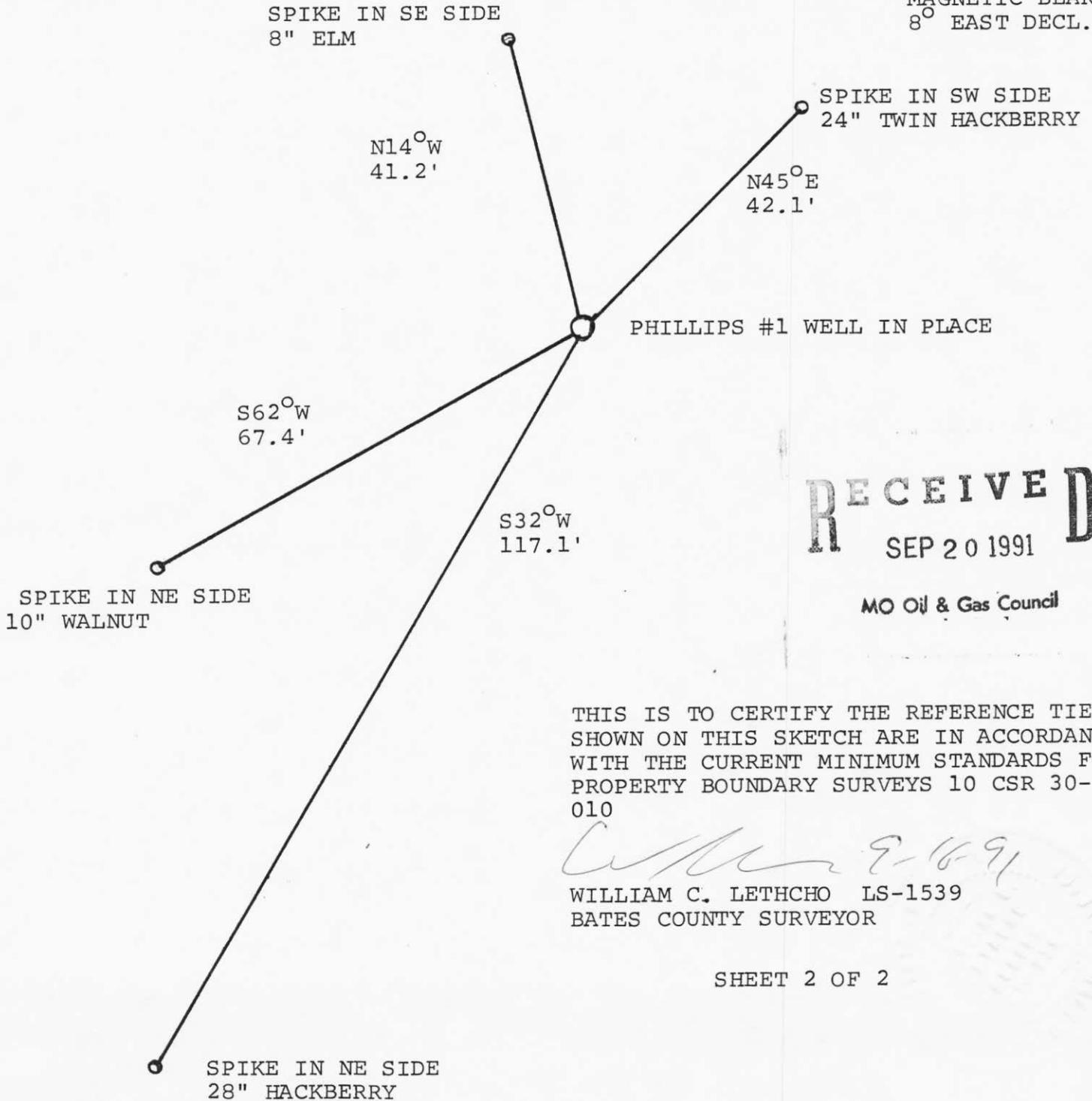
RECEIVED
DEC 30 1992

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

WELL REFERENCE TIES IN THE NE $\frac{1}{4}$ SW $\frac{1}{4}$ 24-42-33, BATES COUNTY, MO.
PHILLIPS #1 WELL IN PLACE
FOR: PENSE BROTHERS DRILLING CO. INC.



1"=20'
MAGNETIC BEARING
8° EAST DECL.



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SEP 20 1991

MO Oil & Gas Council

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

WILLIAM C. LETHCHO LS-1539
BATES COUNTY SURVEYOR

SHEET 2 OF 2



1" = 400' ±

Co. Road

PHILLIPS #1 WELL IN PLACE IN THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 42 NORTH, RANGE 33 WEST OF THE 5TH PRINCIPAL MERIDIAN IN BATES COUNTY, MISSOURI.

WELL LOCATION MAP - BATES COUNTY
TAX MAP 65-05-6

William C. Lethcho 9-16-91

WILLIAM C. LETHCHO LS-1539
BATES COUNTY SURVEYOR

SHEET 1 OF 2

85.9
2.7 Ac (c)
83.8 Ac (c)

PHILLIPS

TH. DIST. R-4
TH. DIST. R-1

7

160

PHILLIPS 2030'

610'

PHILLIPS #1 IN PLACE

#30057

2250'

T42N R33W

HUPPE

23 24
26 25

Co. Road



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		DATE RECEIVED RECEIVED JAN 10 1998
REF. NO. 98742	CHECK NO. 98-1	
CROSS REFERENCE NO.	TRANSMITTAL NO. 88874A	
STATE WELL NUMBER	ROUTE RD 11 WNP	
CHECKED BY SS	ENTERED Ph1 <input checked="" type="checkbox"/> Ph2 <input checked="" type="checkbox"/> Ph3 <input type="checkbox"/>	
APPROVED BY	DATE APPROVED	

OWNER NAME JOSEPH A. JACOBS, ET AL. [RE: PHILLIPS #1 - PERMIT # 20057]		TELEPHONE NO. (816) 657-4558	
ADDRESS RURAL ROUTE		CITY DREXEL	STATE MO
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 7/14/95	
CASING DETAILS LENGTH 53'07"	DIAM. (IN.) 7	WEIGHT OR SDR NO. 17.5 LB.	DIAM. OF DRILL HOLE 9 5/8
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	
PACKER INFORMATION USED ON CASING? <input type="checkbox"/> YES <input type="checkbox"/> NO		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 SURF. BOTTOM TO		SACKS OF CEMENT OR BENTONITE USED TOP _____ BOTTOM _____	
FULL LENGTH <input checked="" type="checkbox"/>		FULL LENGTH 7 <input checked="" type="checkbox"/> NO 12 HRS.	
LINER DETAILS LENGTH 470'	DIAM. (IN.) 4 1/2"	WEIGHT OR SDR NO. 9.5 LBS.	DEPTH FROM LAND SURFACE 469'06"
MATERIAL: <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> PLASTIC <input type="checkbox"/> OTHER (SPECIFY) _____		JOINTS: <input checked="" type="checkbox"/> THREADED <input type="checkbox"/> WELDED <input type="checkbox"/> GLUED	
LINER 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"/> OTHER	
DEPTH OF SEAL TOP _____ BOTTOM _____		SACKS OF CEMENT OR BENTONITE USED TOP _____ BOTTOM _____	
FULL LENGTH <input checked="" type="checkbox"/>		FULL LENGTH 63	
SCREEN DETAILS MAKE OR TYPE <input checked="" type="checkbox"/> BAILED SWAB	LENGTH OPEN TO AQUIFER (FT.)	SLOT SIZE	DIAM. (IN.)
THICKNESS OF GRAVEL PACK		GRAVEL SIZE (IN.) FROM (FT.) TO (FT.)	
YIELD TEST <input type="checkbox"/> PUMPED <input type="checkbox"/> COMPRESSED AIR	HOURS 2	YIELD (GPM) 0.5	WATER LEVEL 116'
MEASURE FROM LAND SURFACE STATIC (FT.)		DRAW DOWN OR PUMPING LEVEL DURING YIELD TEST 0 FT. AFTER 2 HOURS	
ABANDONED WELL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	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 _____		PUMP SET BY: <input type="checkbox"/> PUMP INSTALLER <input type="checkbox"/> OWNER <input type="checkbox"/> DRILLER	
COMPLETION DATA PUMP CAPACITY _____ GPM _____ HP 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	
NOT TO BE INSTALLED UNTIL			
DEPTH FROM LAND SURFACE FEET TO FEET	FORMATION DESCRIPTION	DIAMETER OF DRILL HOLE	LOCATION OF WELL
0	PENNSYLVANIAN	5 1/8" SURF. 98'	AREA NO. A2 COUNTY BATES SURFACE ELEVATION 1010' NE 1/4 SW 1/4 SEC. 24 TWN 42 N, RNG 33 E, W TOTAL DEPTH OF WELL 470
IF YIELD WAS TESTED AT DIFFERENT DEPTHS DURING DRILLING, LIST BELOW.			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 SURVEY ATTACHED
FEET	GALLONS PER MINUTE		
NOTES, MILEAGE AND DIRECTION FROM NEAREST TOWN OR HIGHWAY SEE SURVEY ATTACHED			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. SIGNATURE (WELL DRILLER) Pense Brothers Drilling Co. Inc. 13 E. Blanchard St. DATE 1/05/96 PERMIT NO. (WELL DRILLER) 001901
SIGNATURE (WELL OWNER) Joseph A. Jacobs			SIGNATURE (PUMP INSTALLER) DATE PERMIT NO. (PUMP INSTALLER)
INFORMATION TO BE SUPPLIED BY OWNER			FOR MONITORING WELLS ONLY
PROPOSED USE OF WELL <input 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 WASTE MANAGEMENT IEPA ID-NO.
MEAN SEA LEVEL ELEVATION OF WELL			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 750-0230 (4-90)

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.