



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: 5/21/92
ADDRESS: P.O. Box 551 CITY: FREDERICKTOWN STATE: MO ZIP CODE: 63645

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: JAMES W. SMITH, ET UX WELL NUMBER: 1 ELEVATION (GROUND): 982 (EST. TOP)

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE): 1070 FT. FROM (N) SECTION LINE 1056 FEET FROM (W) SECTION LINE

WELL LOCATION: SECTION 27 TOWNSHIP 44N RANGE 33W COUNTY CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 264 FEET

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

PROPOSED DEPTH: 750' 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: ON PERMIT

NUMBER OF ACRES IN LEASE: 260 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: N/A
NUMBER OF ABANDONED WELLS ON LEASE: 1

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

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
<u>80'</u>	<u>7"</u>	<u>19 LBS</u>	<u>To SURF</u>	<u>80'</u>	<u>7"</u>	<u>19#</u>	<u>To. Surface</u>
<u>SURF. TO T.D.</u>	<u>4 1/2"</u>	<u>9 LBS</u>	<u>To SURF</u>	<u>Surf. To T.D.</u>	<u>4 1/2</u>	<u>9#</u>	<u>To. Surface</u>

I, the undersigned, state that I am the 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: 5/21/92
B. E. BLANCETT, ASST. V. P.

PERMIT NUMBER: #20546 DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
APPROVAL DATE: 5/26/92 CORE ANALYSIS REQUIRED IF RUN DRILL STEM TEST INFO. REQUIRED IF RUN
APPROVED BY: Jane Holby Williams 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 MO Oil & Gas 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

Form OGC-5

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

OWNER <i>Dense Bros. Drilling</i>		ADDRESS <i>Box 551, Fredricktown, Mo. 63645</i>	
LEASE NAME <i>J. W. Smith</i>		WELL NUMBER <i>1</i>	
LOCATION <i>NE 1/4 of NW 1/4</i>		SEC. TWP. AND RANGE OR BLOCK AND SURVEY <i>Sec. 27 - T44N - R33W</i>	
COUNTY <i>Cass</i>	PERMIT NUMBER (OGC-3 OR OGC-31) <i>20546</i>		
DATE SPUDDED <i>6/12/93</i>	DATE TOTAL DEPTH REACHED <i>6/14/93</i>	DATE COMPLETED READY TO PRODUCE OR INJECT <i>6/30/93</i>	ELEVATION (DF, RKR, RT, OR Gr.) FEET <i>962</i>
TOTAL DEPTH <i>785'</i>	PLUG BACK TOTAL DEPTH <i>780'</i>		
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION <i>Rowe and Tebo</i>		ROTARY TOOLS USED (INTERVAL) <i>0 TO 785</i>	CABLE TOOLS USED (INTERVAL) <i>NA</i>
WAS THIS WELL DIRECTIONALLY DRILLED? <i>No</i>	WAS DIRECTIONAL SURVEY MADE? <i>No</i>	WAS COPY OF DIRECTIONAL SURVEY FILED? <i>NA</i>	DATE FILED <i>NA</i>
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <i>Density, Gamma Ray, Cement Bond, Neutron</i>			DATE FILED

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 3/4"</i>	<i>7"</i>	<i>19</i>	<i>50'</i>	<i>15 SX</i>	
<i>Production</i>	<i>6 1/2"</i>	<i>4 1/2"</i>	<i>10.5</i>	<i>780'</i>	<i>100 SX</i>	

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
IN.	FEET	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
<i>4 spf</i>	<i>3/8" 90°</i>	<i>Rowe 740-744</i>	<i>200 gal Fr acid, 200 lbs 30# xlin, 9000 lbs sand</i>	<i>740-744</i>
<i>4 spf</i>	<i>3/8" 90°</i>	<i>Tebo 547-600</i>	<i>200 gal Fr acid, 200 lbs 30# xlin, 9000 lbs sand</i>	<i>547-600</i>

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) <i>PUMPING</i>					
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.	GAS OIL RATIO

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

METHOD OF DISPOSAL OF MUD PIT CONTENTS

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE *MISSOURI AGENT* OF THE *LEMKO OPERATING* 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>4-27-94</i>	SIGNATURE <i>[Signature]</i>
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MO Oil & Gas Council

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)
DENNIS	0	33	
SWOPE	33	77	
HUSH PUNKEY	77	103	
HERTHA	103	106	
PLEASANTON	106	135	
HOUDENVILLE	135	297	
NOBATA / LENAPAH	297	308	
ALTAMONT	308	322	
BANDERA	322	330	
COAL CITY	330	346	
MINE CREEK	346	355	
MURICK STATION	355	376	
FR. SCOTT	376	383	
EXCELLO	383	463	Weir
MULKEY / LEGONDA	463	470	Dry bed
VERDIGRIS	470	514	Low
CROWEBURG	514	528	
FLEMMING	528	536	Lvs
MINERAL	536	560	
SCAMMON	560	568	
TEBO	568	595	
BLUEJACKET	595	610	
DRY WOOD	610	644	
ROWE	644	710	
WARNER	710	740	
WARSAW	740	780	

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MAY 05 1984

**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>CASS</u> <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>SMITH 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.)	Name _____			Buyer Code _____
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated total annual production from the well:	_____ Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
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>ASS'T. V.P.</u> Name Title <u>B E Blauett</u> Signature <u>12/30/92</u> <u>(314) 783-3347</u> Date Application is Completed Phone Number			
Agency Use Only				
Date Received by Juris. Agency				
Date Received by FERC				

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