

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 Mary & Harold Culey DATE 11-19-97

ADDRESS 9511 E 267th Street CITY Freeman STATE MO ZIP CODE 64016

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE Culey WELL NUMBER 2 ELEVATION (GROUND)

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) _____ Gas Council

WELL LOCATION SECTION TOWNSHIP RANGE COUNTY
N 1/4 NW 1/4 NW 1/8 44N 32W Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE _____ FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE _____ FEET

PROPOSED DEPTH 320 DRILLING CONTRACTOR, NAME AND ADDRESS F.E. Young Drilling Co. ROTARY OR CABLE TOOLS APPROX. DATE WORK WILL START 11-19-97

NUMBER OF ACRES IN LEASE 31 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 0
 NUMBER OF ABANDONED WELLS ON LEASE 1

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
 NAME _____ NO. OF WELLS: PRODUCING 0
 ADDRESS _____ INJECTION 0
 INACTIVE 0
 ABANDONED 1

STATUS OF BOND SINGLE WELL AMOUNT \$ _____ BLANKET BOND AMOUNT \$ _____ ON FILE ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AN EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
320'	4" steel	Sched 40	200				

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

I, the undersigned, state that I am the owner of the Property (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 Mary A Culey DATE 11-19-97

PERMIT NUMBER 20676

APPROVAL DATE 11/19/97

APPROVED BY Jane Holby Williams

- DRILLER'S LOG REQUIRED
- CORE ANALYSIS REQUIRED IF RUN
- SAMPLES REQUIRED
- SAMPLES NOT REQUIRED
- WATER SAMPLES REQUIRED AT _____
- E-LOGS REQUIRED IF RUN
- DRILL STEM TEST INFO. REQUIRED IF RUN

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

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

OWNER <i>Mary Culey</i>	ADDRESS <i>9511 E 267th Street Free Man, MO 64746</i>
LEASE NAME <i>Culey</i>	WELL NUMBER <i>1</i>
LOCATION <i>Free Man, MO</i>	SEC. TWP. AND RANGE OR BLOCK AND SURVEY <i>8 44N 32W NE1/4 NW1/4 NW1/4</i>

COUNTY <i>Cass</i>	PERMIT NUMBER (OGC-3 OR OGC-31)
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DATE SPUDDED <i>11- "</i>	DATE TOTAL DEPTH REACHED <i>11-23-97</i>	DATE COMPLETED READY TO PRODUCE OR INJECT <i>11-25-97</i>	ELEVATION (DF, RKR, RT, OR Gr.) FEET <i>900</i>	ELEVATION OF CASING HD. FLANGE <i>1</i>
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TOTAL DEPTH <i>320</i>	PLUG BACK TOTAL DEPTH
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PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION <i>235</i>	ROTARY TOOLS USED (INTERVAL) TO <i>0</i> TO <i>320</i>	CABLE TOOLS USED (INTERVAL)
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WAS THIS WELL DIRECTIONALLY DRILLED? <i>NO</i>	WAS DIRECTIONAL SURVEY MADE?	WAS COPY OF DIRECTIONAL SURVEY FILED?	DATE FILED
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TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <i>None</i>	DATE FILED
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CASING RECORD

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
<i>Production</i>	<i>8"</i>	<i>4"</i>	<i>"</i>	<i>320</i>	<i>35</i>	<i>0</i>

TUBING RECORD

LINER RECORD

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

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>Torch slots</i>	<i>220 - 320</i>		

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION <i>11-25-97</i>	PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) <i>Flowing</i>
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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	CALC'D RATE OF PRODUCTION PER 24 HOURS	OIL bbls.	GAS MCF	WATER bbls.	GAS OIL RATIO
		<i>20,000</i>				

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD) <i>Fuel</i>

METHOD OF DISPOSAL OF MUD PIT CONTENTS <i>None</i>

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE *President* OF THE *F E Young Drilling* 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>5-22-99</i>	SIGNATURE <i>David Young</i>	MO Oil & Gas Council
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RECEIVED
JUL 15 1999

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)
surface	0	1	
clay	1	10	yellow
shale	10	46	grey
limestone	46	64	soft, dark
shale	64	67	grey
sandstone	67	73	greenish
shale	73	87	
sandstone	87	90	grey
shale	90	162	dark grey
limestone	162	164	
shale	164	167	
limestone	167	168	
shale	168	176	
limestone	176	185	hard, brown
shale	185	188	
limestone	188	189	
shale	189	190	
limestone	190	191	
shale	191	200	
limestone	200	209	
shale	209	226	
limestone	226	229	
shale	229	235	black, sandstone layers, some gas
limestone	235	237	
sandstone	237	240	
limestone	240	247	
shale	247	250	
limestone	250	252	
shale	252	257	
limestone	257	264	
shale	264	271	
sandstone	271	280	
shale	280	308	
limestone	308	320	td