



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: NESTON BLACK DATE: 10/9/96
 ADDRESS: 405 E. 177TH CITY: BELTON STATE: MO ZIP CODE: 64012

DESCRIPTION OF WELL AND LEASE
 NAME OF LEASE: Black WELL NUMBER: #1 ELEVATION (GROUND): 1070'

WELL LOCATION: 741' ~~550'~~ FT. FROM (W) SECTION LINE (GIVE FOOTAGE FROM SECTION LINE) 1930.52'
250' FEET FROM (E) SECTION LINE
 SECTION: 17 TOWNSHIP: 46N RANGE: 33W COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 230' FEET
 DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: _____ FEET

PROPOSED DEPTH: 480' DRILLING CONTRACTOR, NAME AND ADDRESS: GLAZE DRILLING ROTARY OR CABLE TOOLS: 6 D. Box APPROX. DATE WORK WILL START: 10/9/96

NUMBER OF ACRES IN LEASE: 10 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: N/A ADDRESS: N/A
 NO. OF WELLS: PRODUCING: 1 INJECTION: _____ INACTIVE: _____ ABANDONED: _____

STATUS OF BOND SINGLE WELL AMOUNT \$ \$720.00 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 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.
<u>100'</u>	<u>7"</u>	<u>29 lb.</u>	<u>TOP 9TM</u>	<u>480'</u>	<u>4 1/2"</u>	<u>SCH 40</u>	<u>400' to 90'</u>

I, the undersigned, state that I am the OWNER of the GLAZE 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.

SIGNATURE: _____ DATE: _____

PERMIT NUMBER: 20632 DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
 APPROVAL DATE: 4/29/97 CORE ANALYSIS REQUIRED IF RUN DRILL STEM TEST INFO. REQUIRED IF RUN
 APPROVED BY: James Holly Williams SAMPLES REQUIRED 30,000 C.F.P.D.
 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 _____ 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: Alva G. Glaze DATE: 10/9/96



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

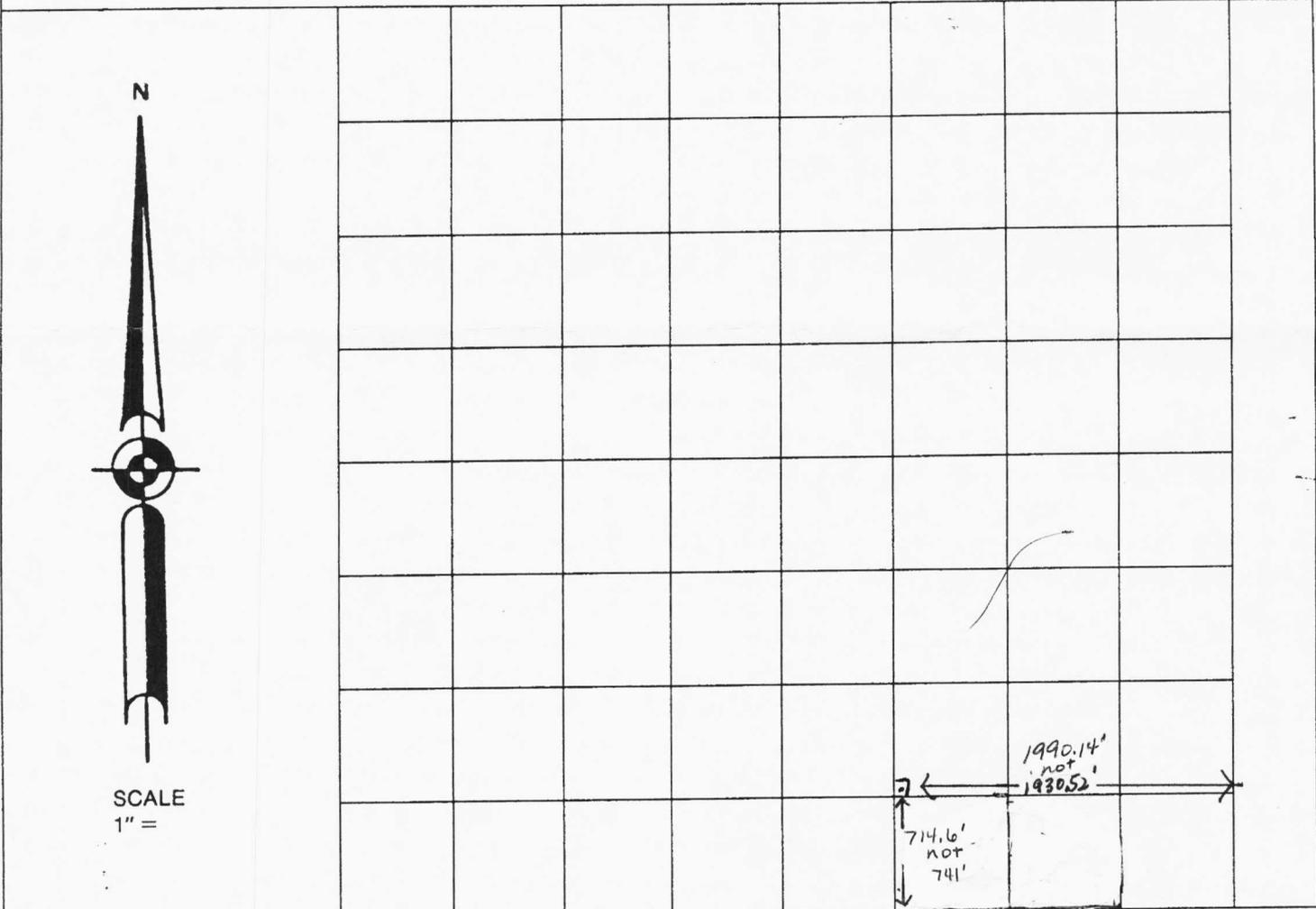
FORM OGC-4

APR 30 1997

OWNER F.W. Black

LEASE NAME 10 Oil & Gas Council

741 FEET FROM South SECTION LINE AND 1930.52 FEET FROM EAST SECTION LINE OF SEC. 17, TWP 46 N. RANGE 33 W
(N) - (S) (E) - (W)



REMARKS
ATTACHED IS A SCALED SURVEY PLAT OF WELL SITE AREA.

INSTRUCTIONS
 On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

F.W. Black (SEAL)

REMIT TWO (2) COPIES TO:
 MISSOURI OIL AND GAS COUNCIL
 P.O. BOX 250, ROLLA, MO 65401

REGISTERED LAND SURVEYOR NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

RECEIVED
Form OGC-5
APR 30 1997

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

OWNER F. W. Black ADDRESS 405 East 177th St., Belton, Mo. 64012

LEASE NAME Black WELL NUMBER # 1

LOCATION 741' FSL 1930.52 FEL SEC. TWP. AND RANGE OR BLOCK AND SURVEY S-17 T-46N R-33W

COUNTY Cass PERMIT NUMBER (OGC-3 OR OGC-31) OGC-3 20632

DATE SPUNDED 10/9/96 DATE TOTAL DEPTH REACHED 480' DATE COMPLETED READY TO PRODUCE OR INJECT 12/29/96 ELEVATION (DF, RKR, RT, OR Gr.) FEET 1070 ELEVATION OF CASING HD. FLANGE 3 FEET

TOTAL DEPTH 480' 485' PLUG BACK TOTAL DEPTH

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION ROTARY TOOLS USED (INTERVAL) TO DRILLING FLUID USED water CABLE TOOLS USED (INTERVAL) GD Boom

WAS THIS WELL DIRECTIONALLY DRILLED? no WAS DIRECTIONAL SURVEY MADE? N/A WAS COPY OF DIRECTIONAL SURVEY FILED? N/A DATE FILED N/A

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) 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
gas	7"	4 1/2"	SCH 40	480'	15	
					top to 461'	

TUBING RECORD

LINER RECORD

SIZE IN.	DEPTH SET FEET	PACKER SET AT FEET	SIZE INCH	TOP FEET	BOTTOM FEET	SACKS CEMENT	SCREEN FEET
		461	8				

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
	none			

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION 10/19/96 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) gas lift

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'ATED 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)

sealed in pipe / used for non-commercial fuel

METHOD OF DISPOSAL OF MUD PIT CONTENTS

on site burial

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE Glaze 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 10/19/96 SIGNATURE Alva G. Glaze

10/19/96
R.S. Glazier Drk
Alva State.

Black, W.
Gaswell #1
page 1

6	Surface	60
42	Lime	48
27	Shale	75
6	Lime	81
15	Shale	96
3	Red Bed	99
2	Lime	101
20	Shale	121
4	Lime	125
12	Shale	137
2	Lime	139
5	Shale	142
10	Sand	152
10	Sandy Shale	162
5	Lime	167
16	Shale	183
3	Sandy Shale	186
2	Shale	188
8	Lime	196
2	Shale	198
19	Lime	217
2	Dark Shale	219
2	Lime	221
2	Shale	223
30	Lime	253
5	Shale	258
10	Lime	268

Black S.W.

1	Shale	269
2	Lime	271
104	Shale	375
5	Sandstone	380
37	Shale	417
3	Black Slate	420
17	Shale	437
3	Lime	440
10	Shale	450
6	Lime	456
5	Sandstone	461
13	Sandy Shale	474
8	Shale	482
3	Black Slate	485 (448**)

page 2

Hertha

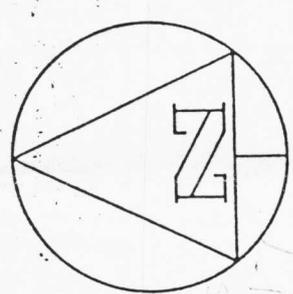
20632

RECEIVED

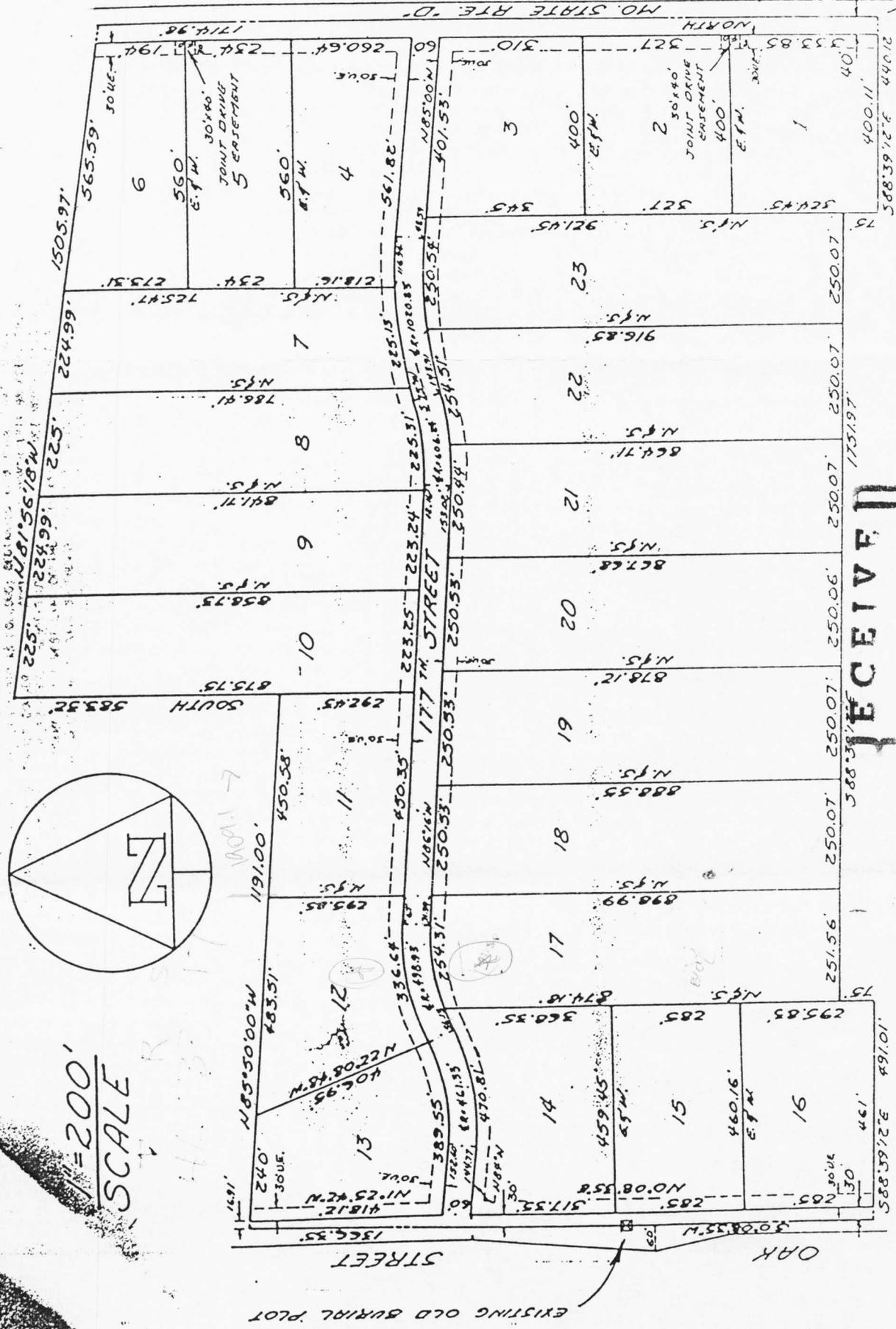
APR 30 1997

Oil & Gas Council

"MILLER ESTATES" A SUBDIVISION IN CASS COUNTY, MO.



1" = 200'
SCALE



RECEIVED

APR 30 1997

POINT OF BEGINNING
330 FT NORTH OF SE CORN SEC 14
SEC 17 TWP 46 R 10 S 35
CASS COUNTY, MISSOURI

10018600 JUNE