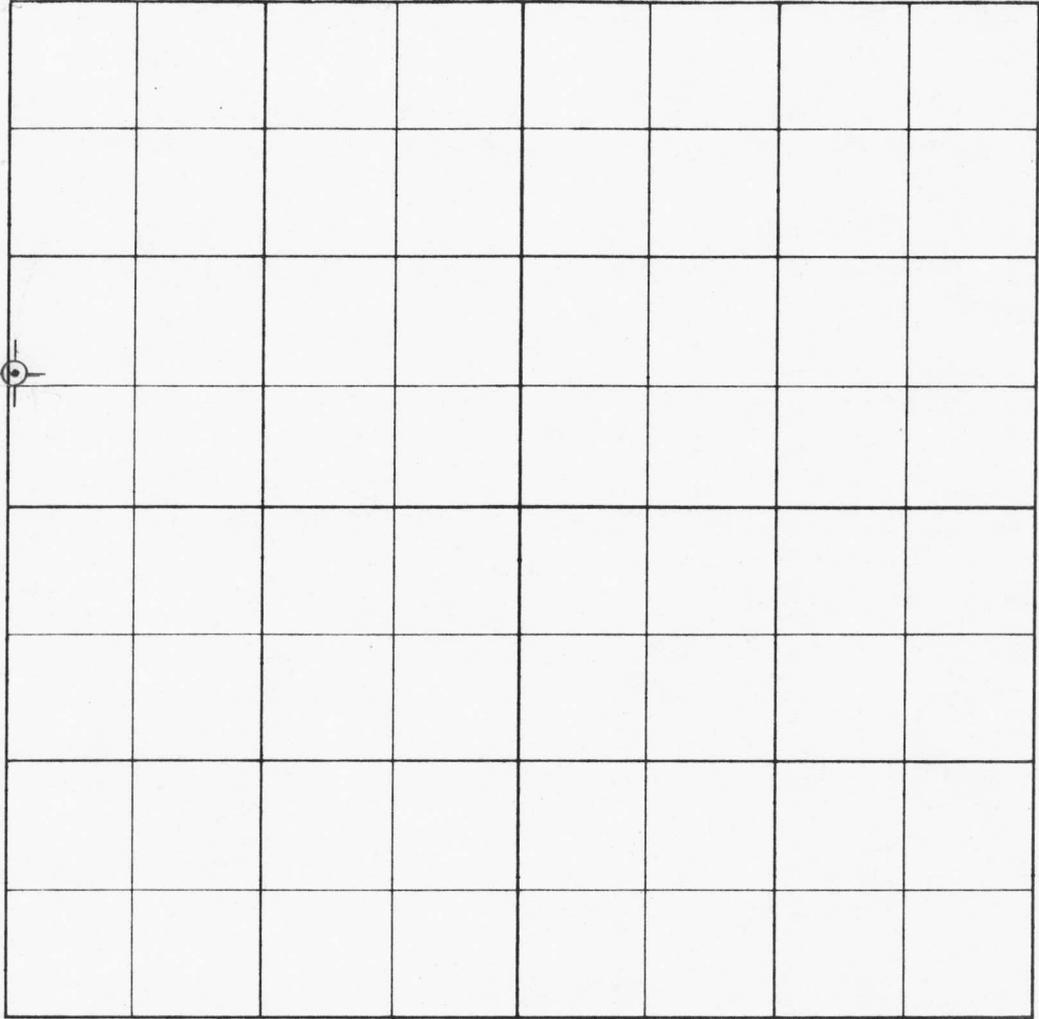


WELL LOCATION PLAT

Owner: DNR - GEOL SURVEY

Lease Name: ERDA YS NO. 35 County, BARTON

1950 feet from (N) - (S) line and 20 feet from (E) - (W) line of Sec. 17 Twp. 32 Range 33



SCALE
1" = 1000'

REMARKS: _____

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

(SEAL)

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned.

Registered Land Surveyor

TEST BORING LOG

 Project E. R. D. A.

 Boring No. 35 Sheet 1 of 3
Sec. 17, T. 32N, R. 33W.

 Surface Elevation 884' Offset _____

Address _____

 Date Started 9/7/77 Completed _____

City & State _____

Driller _____ Rig _____

Abbreviations:

A.O. - Auger Only	R.B. - Rock Bit	C.W. - Core Water
H.A. - Hollow Auger	S.S. - Split Spoon	C.A. - Core Air
W.B. - Wash Bore	S.T. - Shelby Tube	F.B. - Finger Bit

DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
0.0'	5.0'	AH				Red brown & light brown clay
5.0'	10.0'	AH				Red brown clay & light gray silty shale
10.0'	15.0'	AH				Light gray shale
15.0'	20.0'	AH				Same
20.0'	25.0'	AH				Dark gray shale
25.0'	30.0'	AH				Dark gray shale, coal at 28' to 30' under clay
30.0'	35.0'	AH				Light gray siltstone, coal at 38" 2" or 3"
35.0'	40.0'	AH				Light gray sandstone, traces of shale
40.0'	45.0'	AH				Light gray silty shale, black shale
45.0'	50.0'	AH				Light gray silty shale, black shale, coal at 48' about 3" under clay
50.0'	55.0'	AH				Light gray & dark gray sandstone
55.0'	60.0'	AH				Light gray & dark gray silty shale
60.0'	65.0'	AH				Light gray & dark gray shale
65.0'	70.0'	AH				Black shale
70.0'	75.0'	AH				Trace of coal at 71', under clay
75.0'	80.0'	AH				Dark gray & black shale

REMARKS: (Casing, Water Loss, Etc.)

Water Level

Time

Date

_____ (Completion)

TEST BORING LOG

 Project E. R. D. A.

 Boring No. 35 Sheet 2 of 3

Surface Elevation _____ Offset _____

Address _____

Date Started _____ Completed _____

City & State _____

Driller _____ Rig _____

Abbreviations:

A.O. - Auger Only	R.B. - Rock Bit	C.W. - Core Water
H.A. - Hollow Auger	S.S. - Split Spoon	C.A. - Core Air
W.B. - Wash Bore	S.T. - Shelby Tube	F.B. - Finger Bit

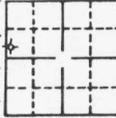
DEPTH		METHOD	PENETRATION RECORD		CORE RECOVERY	SAMPLE DESCRIPTION <small>COLOR-MATERIAL-MOISTURE-CLAY CONSISTENCY SAND DENSITY</small>
FROM	TO		POCKET PENETRO-METER	NO. OF BLOWS		
80.0'	85.0'	AH				Light gray & dark gray sandstone, little shale
85.0'	90.0'	AH				Gray oil stain sandstone
90.0'	95.0'	AH				Same
95.0'	100.0'	AH				Same
100.0'	105.0'	AH				Same
105.0'	110.0'	AH				Light gray sandstone, coal at 109.5 to 111.5
110.0'	115.0'	AH				Coal till 111.5 under clay Light gray silty sha
115.0'	120.0'	AH				Coal at 115 about 6 or 8" under clay
120.0'	125.0'	AH				Light gray silty clay & black shale
125.0'	130.0'	AH				Black shale, coal at 129 about 6" under clay
130.0'	135.0'	AH				Med. gray silty shale
135.0'	140.0'	AH				Dark gray shale
140.0'	145.0'	AH				Same
145.0'	150.0'	AH				Dark gray shale, Light gray silty shale
150.0'	155.0'	AH				Gray oil stain sandstone
155.0'	160.0'	AH				Same

REMARKS: (Casing, Water Loss, Etc.)	Water Level	Time	Date
_____	_____	_____	_____ (Completion)

FR & COMP

WILDCAT

STATE	MISSOURI	10-3-81	MAP NO.	S-T-R	17-32N-33W	S
OPER	DNR GEOLOGICAL SURVEY			SPOT	APP W/2 W/2 SW NW	
	P O BOX 250, ROLLA, MO			CO	BARTON	S
WELL	35 ERDA - TS			ELEV	884 GR	FIN
CONTR	LAYNE-WESTERN			1950' fm1, 20' fw1, Sec		
FIELD	WILDCAT					
IP	D&A					
	API 24-011-20027					



SPUD 7-9-77, no surf csg
 RTD 180, log
D&A FIRST REPORTED AND COMPLETED 7-9-77

GR SPL TOPS:

MISS 175 + 709
 RTD 180 + 704
 TD IN MISS

COMP ISSUED 10-17-77



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