

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR TIPPERARY SYNCRUDE, INC. DATE 7-17-74
500 WEST ILLINOIS MIDLAND TEXAS 79701
 Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>Workman</u>	Well number <u>4</u>	Elevation (ground) <u>928.6'</u>	
WELL LOCATION (give footage from section lines) <u>70</u> ft. from XX (S) sec. line <u>40</u> ft. from (E) XX sec. line			
WELL LOCATION Section <u>5</u> Township <u>32N</u> Range <u>32W</u>			County <u>Barton</u>
Nearest distance from proposed location to property or lease line: <u>40</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: -- feet	
Proposed depth: <u>71'</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>July 28, 1974</u>	
Number of acres in lease: <u>200</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>0</u> Number of abandoned wells on lease: <u>-</u>		
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing <u>-</u> inactive <u>-</u> abandoned <u>-</u>	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input type="checkbox"/> Amt. _____ <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> 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	
amt.	size	wt./ft.	cem.
<u>None</u>			
I, the undersigned, state that I am the <u>Vice-President</u> of the <u>TIPPERARY SYNCRUDE, INC.</u> (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 <u>[Signature]</u>			

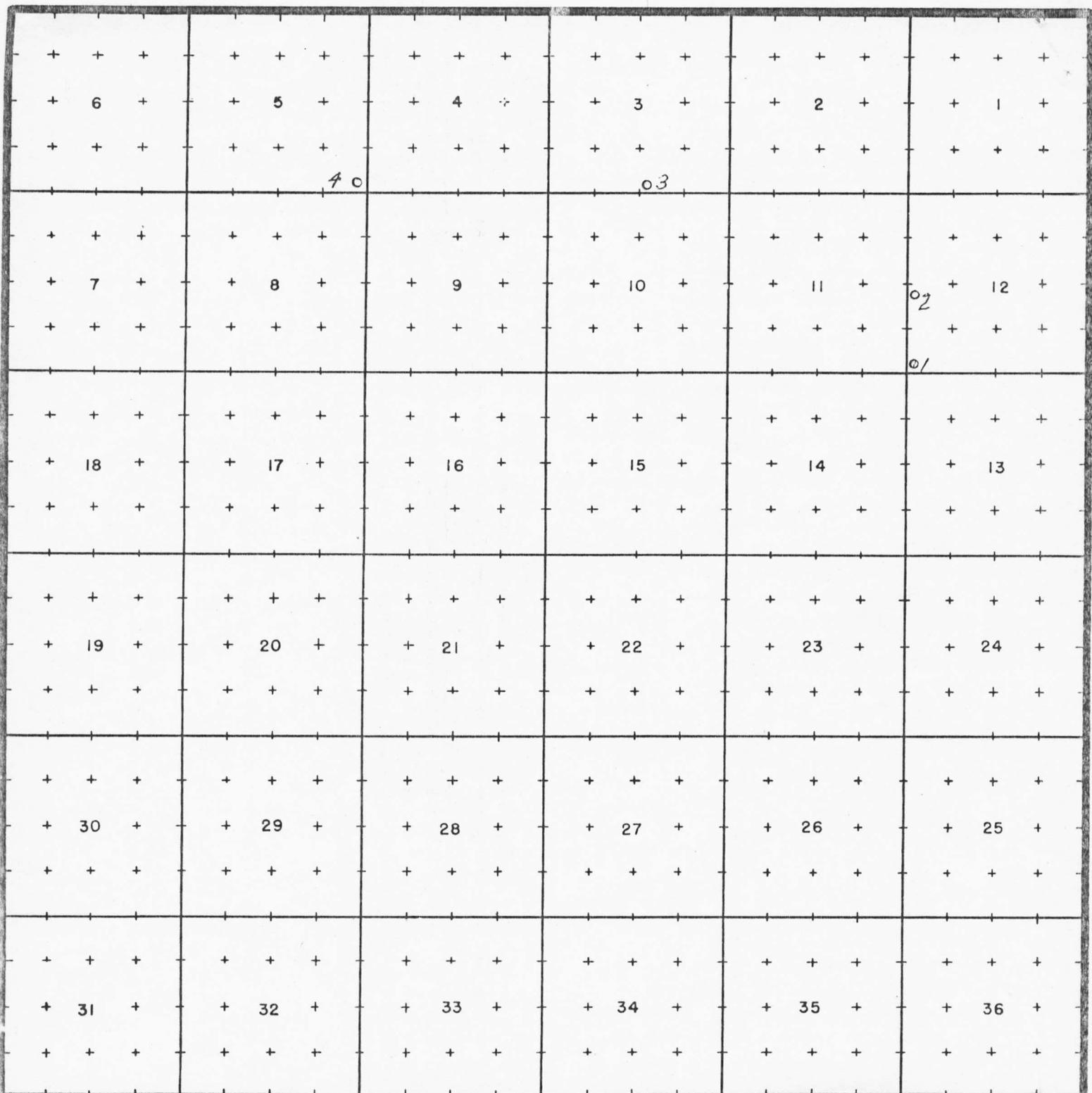
Permit Number: 20008
 Approval Date: 1974
 Approved By: [Signature]

SAMPLES REQUIRED
 SAMPLES NOT REQUIRED

RECEIVED
 OCT 15 1974
 MO. OIL & GAS COUNCIL

Note: This Permit not transferable to any other person or to any other location.
 Remit two copies to: Missouri Oil and Gas Council
 P.O. Box 250 Rolla, Mo. 65401
 One will be returned.

WATER SAMPLES REQUIRED @:



County BARTON State MISSOURI

Section _____ Township 32N Range 32W

Remarks: CORE HOLE LOCATIONS

Scale 1" = 4000'

**MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD**

Form OGC-7

Owner: **TIPPERARY SYNCRUDE, INC.** Address: **500 W. ILLINOIS, MIDLAND, TEXAS 79701**

Name of Lease: **Workman** Well No.: **4**

Location of Well: **70' FSL & 40' FEL** Sec-Twp-Rge or Block & Survey: **Sec. 5, T32N, R32W** County: **Barton**

Application to drill this well was filed in name of: **Same** Has this well ever produced oil or gas: **No** Character of well at completion (initial production) Oil (bbls/day): **---** Gas (MCF/day): **---** Dry?: **Yes**

Date Abandoned: **July 28, 1974** Total depth: **71'** Amount well producing prior to abandonment. Oil (bbls/day): **---** Gas (MCF/day): **---** Water (bbls./day): **---**

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. Indicate zones squeeze cemented, giving amount cement.
NONE		SEE ELECTRIC LOG	NONE

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot; ripped etc)	Packers and shoes
None					

Was well filled with mud-laden fluid? **Yes** Indicate deepest formation containing fresh water. **None**

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

Name	Address	Direction from this well:

Method of disposal of mud pit contents: **Filled in. Mud pumped in hole & top plugged off**

Use reverse side for additional detail
File this form in duplicate with **with rock, sand and soil.**

CERTIFICATE: I, the undersigned, state that I am the **Vice-President** of the **Tipperary Syncrude, 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.

Ben D. Gould
Signature **Ben D. Gould**

JUL 06 1976
MO. OIL & GAS COUNCIL RECEIVED

OCT 15 1974
MO. OIL & GAS COUNCIL

DEC 08 1975
MO. OIL & GAS COUNCIL

Remit two copies; one will be returned

CORE ANALYSIS RESULTS

Company TIPPERARY RESOURCES CORP. Formation _____ File 3402-8103
 Well IANTHA NO. 4 Core Type _____ Date Report 8-14-74
 Field _____ Drilling Fluid _____ Analysts BOYLE
 County _____ State MISSOURI Elev. _____ Location _____

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GAL. TON	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		

CONVENTIONAL ANALYSIS

SAND - SD SHALE - SH LIME - LM	DOLOMITE - DOL CHERT - CH GYPSUM - GYP	ANHYDRITE - ANHY CONGLOMERATE - CONG FOSSILIFEROUS - FOSS	SANDY - SDY SHALY - SHY LIMY - LMY	FINE - FN MEDIUM - MED COARSE - CSE	CRYSTALLINE - XLN GRAIN - GRN GRANULAR - GRNL	BROWN - BRN GRAY - GY VUGGY - VGY	FRACTURED - FRAC LAMINATION - LAM STYLOLITIC - STY	SLIGHTLY - SL/ VERY - V/ WITH - W/
1	46-47	24	18.0	60.4	31.4	12.0	Sd	
2	47-48	109	21.9	48.7	37.1	10.1	Sd	
3	48-49	80	21.0	59.8	27.8	13.4	Sd	
4	49-50	62	19.4	59.2	27.3	12.5	Sd	
5	50-51	99	20.8	64.3	23.0	13.4	Sd	
6	51-52	111	21.7	55.8	31.9	10.1	Sd	
7	52-53	69	18.6	61.9	24.8	12.0	Sd	
8	53-54	158	20.2	52.2	38.0	10.6	Sd	
9	54-55	154	21.8	58.1	32.5	12.0	Sd	
10	55-56	144	22.8	38.8	49.5	8.6	Sd	
11	56-57	1074	22.0	42.3	40.4	10.6	Sd	
12	57-58	567	22.0	34.8	49.2	8.2	Sd	
13	58-59	574	22.0	47.3	33.8	10.1	Sd	
14	59-60	550	23.0	25.7	51.5	5.8	Sd	
15	60-61	869	22.0	39.4	37.4	9.1	Sd	

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

TIPPERARY SYNCRUDE, INC.
TAR SAND CORE HOLES
BARTON COUNTY, MISSOURI

<u>Well No.</u>	<u>Total Depth</u>	<u>Date Drilled</u>	<u>G. L. Elev.</u>	<u>Location</u>		
1	61'	7-26-74	969.4	80' FWL & 50' FSL	Sec. 12	T32N R32W
2	70'	7-27-74	957.7	2470' FSL & 100' FWL	Sec. 12,	T32N R32W
3	50'	7-27-74	951.5	2520' FEL & 40' FSL	Sec. 3,	T32N R32W
4	71'	7-28-74	928.6	40' FEL & 70' FSL	Sec. 5,	T32N R32W

THE HERB EXPLORATION CO.

DRILLING
TIME LOG

Date July 28th 1974

Company Tipperary Corp

Prospect or Lease Iantha

Core Hole Number 10-4

Depth In Feet		Time			Time Lost	Remarks
From	To	Begin	End	Actual		
0	7	8:45	8:50	5		Drilled 6' overburden 1' brn sand (flush)
7	8	9:10	9:13	3		core #1 4' sand dk stain
	9		9:16	3		good show etc tar - very
	10		9:24	8		slt odor
	11		9:31	6		
	12		9:40	9		1' shale
12	18	9:50	9:59	9		drilled 6' lt gry shale
18	19 1/2	9:59	10:01	2		drilled 1 1/2' dk gry shale
19 1/2	20	10:01	10:02	1		drilled 1/2' black sand, oil odor
20	21	10:00	10:24	15		(core #2) 2" hd blk dense sd no show, 10" shale (no sacked)
21	21	10:40	10:50	10		drilled 1' Lignite 21-22'
						19' Lt gry shale (no show)
141	150					
150	150					
41	41 1/2	10:52	10:53	1		drilled lignite 1/2' 41' to 41 1/2'
41 1/2	44 1/2	10:53	10:58	5		lt gry + dk sh (no show)
44 1/2	46	10:58	11:00	2		dk sd good show oil 44 1/2' to 46'
46	47	11:17	11:22	5		(core #3)
	48		11:27	5		13' of this core etc
	49		11:32	5		oil sand heavily saturated
	50		11:37	5		uniform green - lost 2'
	51		11:43	6		oil stained dk sd some
	52		11:48	5		slt H ₂ S odor
	53		11:55	7		top 10' bleeding oil -
	54		11:59	4		during coring time a
	55		12:07	8		steady rainbow in mud
	56		12:15	8		returns - oil on pit
	57		12:19	4		
	58		12:23	4		
	59		12:29	6		
	60		12:33	4		
	61		12:37	4		
61	62	12:58	1:05	7		(core #4) blk sd odor stain
	63		1:08	3		" " " "

Permit #: 20008

Date Issued: 1974

County: Barton

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 7-28-74

OGC FORMS	Date Received
1	
2	
3	10-15-74
3i	
4	
4i	
5	
6	
7	10-15-74
8	
11	
12	
Misc. Form 2	

COMMENTS:

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core	3402 8103	

Additional Submitted Data: