

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL  DEEPEN  PLUG BACK

NAME OF COMPANY OR OPERATOR C & W Oil Producers DATE 10/21/81  
P.O. Box 8539 Shawnee Mission Kansas 66208

Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Cherryvale Farms Well number #2 Elevation (ground) 1094'

WELL LOCATION (give footage from section lines) 1227 ft. from  (N) (S) sec. line 2406 ft. from  (E) (W) sec. line

WELL LOCATION Section 10 Township 46N Range 33 County Cass

Nearest distance from proposed location to property or lease line 220 feet Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: 629 feet

Proposed depth 500' Rotary or Cable tools Rotary Approx. date work will start 11/23/81

Number of acres in lease 64.74 Number of wells on lease, including this well, completed in or drilling to this reservoir: 4  
 Number of abandoned wells on lease: 0

If lease purchased with one or more wells drilled from whom purchased Name \_\_\_\_\_ No. of Wells: producing \_\_\_\_\_  
 Address \_\_\_\_\_ inactive \_\_\_\_\_  
 abandoned \_\_\_\_\_

Status of Bond Single Well  Amt. \_\_\_\_\_ Blanket Bond  Amt. 20,000  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			
amt	size	wt./ft	cem	amt	size	wt./ft	cem
<u>20'</u>	<u>6 1/4"</u>	<u>15</u>					
<u>500'</u>	<u>2"</u>	<u>3.75</u>	<u>yes</u>				
<u>500'</u>	<u>1"</u>	<u>1.7</u>					

I, the undersigned, state that I am the President of the C & W Oil Producers (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 [Signature]

Permit Number 20231  
 Approval Date 11/20/81  
 Approved By Wallace B. Howe  
IRS

SAMPLES REQUIRED  
 SAMPLES NOT REQUIRED

Note: This Permit not transferable to any other person or to any other location.

WATER SAMPLES REQUIRED @  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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.

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NOV 19 1981

MISSOURI OIL & GAS COUNCIL

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 \_\_\_\_\_

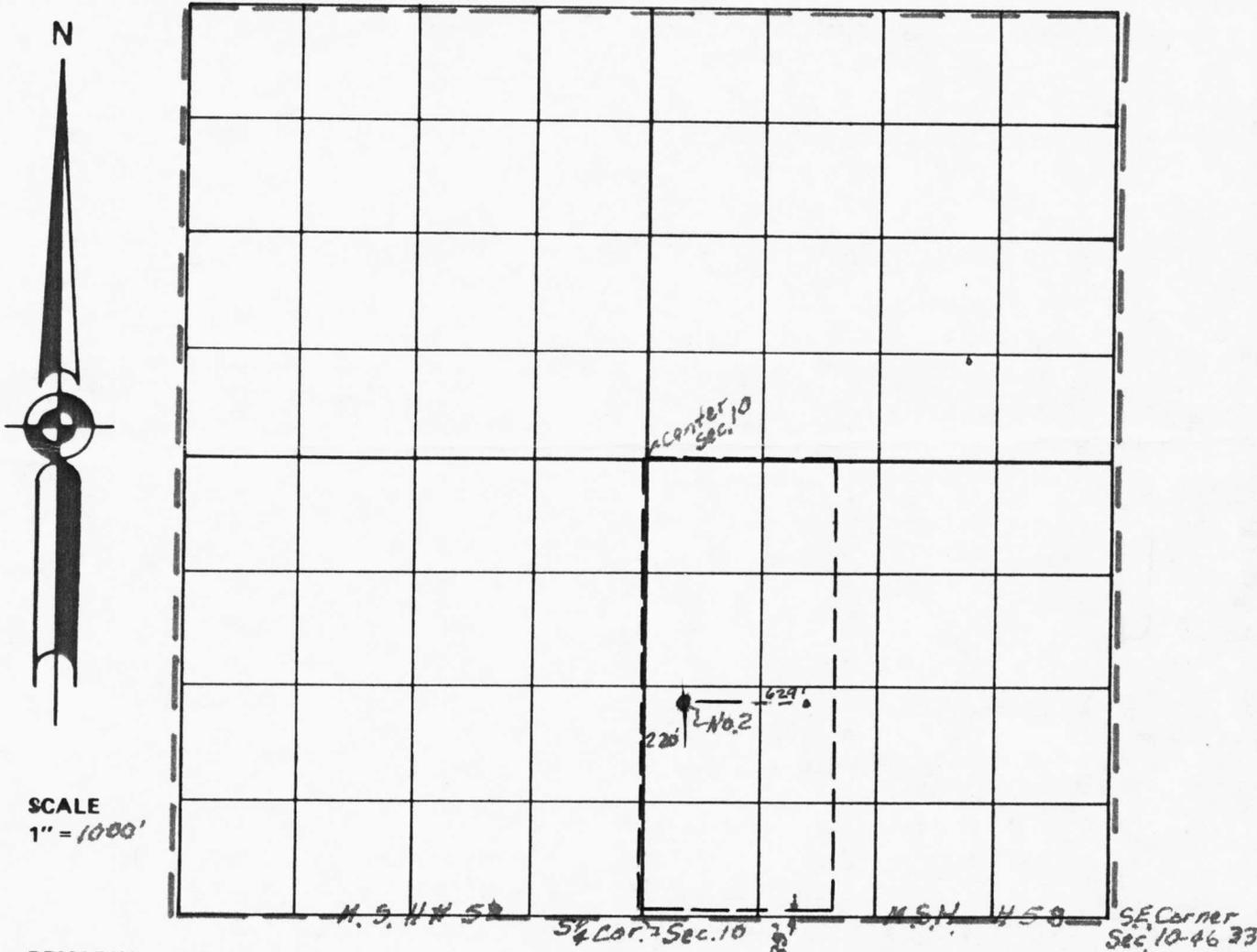
Date \_\_\_\_\_

MISSOURI OIL AND GAS COUNCIL  
WELL LOCATION PLAT

Form OGC-4

Owner: LARRY HOTALING ET AL

Lease Name: CHERRYVALE County: CASS  
1237 feet from S line and 2406 feet from E line  
 (N) - (S) (E) - (W) of Sec. 10, Twp. 46 N, Range 33



REMARKS: \_\_\_\_\_ RECEIVED  
 - - - - - LEASE BOUNDARY  
 - - - - - NEAREST PROPOSED WELL  
 - - - - - Section line  
 NOV 19 1981  
 MO. OIL & GAS COUNCIL

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.

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.

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

B. J. Thomas  
 Registered Land Surveyor  
 (SEAL)  
 LS-520  
 Number

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well  Work Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner <b>C &amp; W Oil Producers Inc.</b>		Address <b>Box 8539, Shn. Msn. Kans 66208</b>	
Lease Name <b>Cherryvale Farms</b>		Well Number <b>2</b>	
Location <b>1227' N of S, 2406' W of E, Sec. 10, Twp. 46N, Rge. 33</b>			
County <b>Cass</b>		Permit number (OGC's number) <b>20231</b>	
Date spudded <b>11/25/81</b>	Date total depth reached <b>619</b>	Date completed, ready to produce	Elevation (DF, RKB, RT or <input checked="" type="radio"/> Gr) feet <b>1044</b>
Total depth <b>619</b>	P B T D		
Producing interval(s) for this completion		Rotary tools used (interval) From to	Cable tools used (interval) From to
Was this well directionally drilled? <b>no</b>		Was directional survey made? <b>no</b>	Was copy of directional survey filed? <b>n/a</b>
Type of electrical or other logs run (list logs filed with the State Geologist) <b>none</b>			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	Amt pulled
surface	7"	6 1/2"	15	20'	4	20'

TUBING RECORD

LINER RECORD

none set	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	screen (ft.)
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
none done				

INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)					
Date of test	Tests tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Current)	
Tubing pressure	Casing pressure	Calculated rate of Production per 24 hrs	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: **burial**

CERTIFICATE: I, the undersigned, state that I am the **President** of the **C & W Oil Producers** (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]*  
Signature

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FEB 16 1982

MO. OIL & GAS COUNCIL

Retain two copies; one will be returned.

MISSOURI OIL AND GAS COUNCIL

Form OGC-6

NOTICE OF INTENTION TO ABANDON WELL

Name of Lease Cherryvale Farms Date Feb. 10, 1982  
 Well No. 2 is located 1227 feet from  (N) (S) line and 2406  
 feet from  (E)  (W) line of Section 10 Township 46N Range 33  
Cass County The elevation of the ground at well site is 1094  
 \_\_\_\_\_ feet above sea level.

Name and address of Contractor or Company which will do work is:

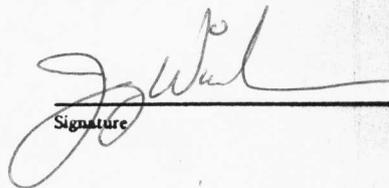
Big E Drilling Co. pluggers # 849  
Route #1, Centerville, Kansas 66014

DETAILS OF WORK

(Indicate size, kind, and depth of plugs, where casing will be pulled, other pertinent details)

- a. 5 sacks portland cement at 224'
- b. 5 sacks portland cement at 30'
- c. pull surface casing

CERTIFICATE: I, the undersigned, state that I am the President of the C & W Oil Producers (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

Remit two copies; one will be returned

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MISSOURI OIL AND GAS COUNCIL  
PLUGGING RECORD

Form OGC-7

Owner <b>C &amp; W Oil Producers</b>	Address <b>Box 8539 Shn. Msn. Kans. 66208</b>
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Name of Lease <b>Cherryvale Farms</b>	Well No. <b>2</b>
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Location of Well <b>1227' N of S, 2406' W of E, Sec. 10, Twp. 46N, Rge. 33</b>	Sec-Twp-Rge or Block & Survey	County <b>Cass</b>
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Application to drill this well was filed in name of <b>C &amp; W Oil Prod. Inc.</b>	Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production) Oil (bbls/day)      Gas (MCF/day)	Dry? <b>yes</b>
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Date Abandoned: <b>11/26/81</b>	Total depth <b>619'</b>	Amount well producing prior to abandonment. Oil (bbls/day)      Gas (MCF/day)	Water (bbls/day)
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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			

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
6 1/2"	20'	20'	0		

Was well filled with mud-laden fluid? <b>no</b>	Indicate deepest formation containing fresh water. <b>none</b>
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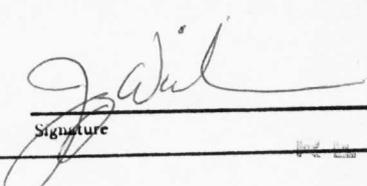
**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>none</b>		

Method of disposal of mud pit contents: **burial**

Use reverse side for additional detail  
File this form in duplicate with

CERTIFICATE: I, the undersigned, state that I am the **President** of the **C & W Oil Producers** (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

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
	0	8	Top soil
	8	27	Lime
	27	58	Shale
	58	69	Lime
	69	90	Shale (Red)
	90	95	Lime
	95	112	Shale
	112	131	Broken Lime & Shale
	131	140	Sandy
	140	158	Shale
	158	190	Broken Lime
	(190	200)	some sand chips
	190	203	Black Shale
	203	224	Lime
	224	228	Shale
	228	231	Limey
	231	237	Shale
	237	242	Lime
	242	318	Shale
	318	332	Sandy Shale
	332	392	Shale
	392	398	Sandy Shale
	398	414	Shale
	414	417	Sandy Shale
	417	431	Black Shale
	431	442	Broken Lime
	442	449	Shale (sandy 444)
	449	453	Lime
	453	456	Shale
	456	460	Sandy Shale
	460	480	Sandy White (greasy 470)
	480	485	Lime
	485	488	Sandy Shale
	488	550	Shale
	550	561	Sandy Shale
	561	596	Shale
	596	619	Sandy Shale (show odor)
	619		T.D.

\*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.

INSTRUCTIONS:

Attach driller's log or other acceptable log of well if available.

This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

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MO. OIL & GAS COUNCIL

Permit #: 20231

Date Issued: 11.20.81

County: Cass

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged: 11.26.81

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	11-19-81
3i	
4	11-19-81
4i	
5	2-16-82
6	2-16-82
7	2-16-82
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	Drillers		2-16-82
Samples	chip core		
Analyses	water		
	core		
Additional Submitted Data:			