

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 <b>Cherryvale Farms</b>	Well number <b>#1</b>	Elevation (ground) <b>1106'</b>	
WELL LOCATION (give footage from section lines) <b>2436.5</b> ft. from <input checked="" type="checkbox"/> (S) sec. line <b>2405</b> ft. from (E) <input checked="" type="checkbox"/> (W) sec. line			
WELL LOCATION Section <u>10</u> Township <u>46N</u> Range <u>33</u>			County <b>Cass</b>
Nearest distance from proposed location to property or lease line <u>220</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease. <u>1209.5</u> feet	
Proposed depth <b>500'</b>	Rotary or Cable tools <b>Rotary</b>	Approx. date work will start <b>11/23/81</b>	
Number of acres in lease <b>64.74</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>4</u> Number of abandoned wells on lease: <u>0</u>		
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____		No. of Wells: producing _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000</u> <span style="float: right;"><input type="checkbox"/> ON FILE <input checked="" type="checkbox"/> ATTACHED</span>			
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>20'</u>	<u>6 1/4"</u>	<u>15</u>	<u>yes</u>
<u>500'</u>	<u>2"</u>	<u>3.75</u>	<u>yes</u>
<u>500'</u>	<u>1"</u>	<u>1.7</u>	<u>yes</u>
I, the undersigned, state that I am the <u>President</u> of the <u>C &amp; W Oil Producers</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:			

Permit Number 20230  
 Approval Date 11/20/81  
 Approved By Wallace B. Howe  
 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 for driller's signature

SAMPLES REQUIRED  
 SAMPLES NOT REQUIRED  
 WATER SAMPLES REQUIRED @ \_\_\_\_\_  
 \_\_\_\_\_

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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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 \_\_\_\_\_

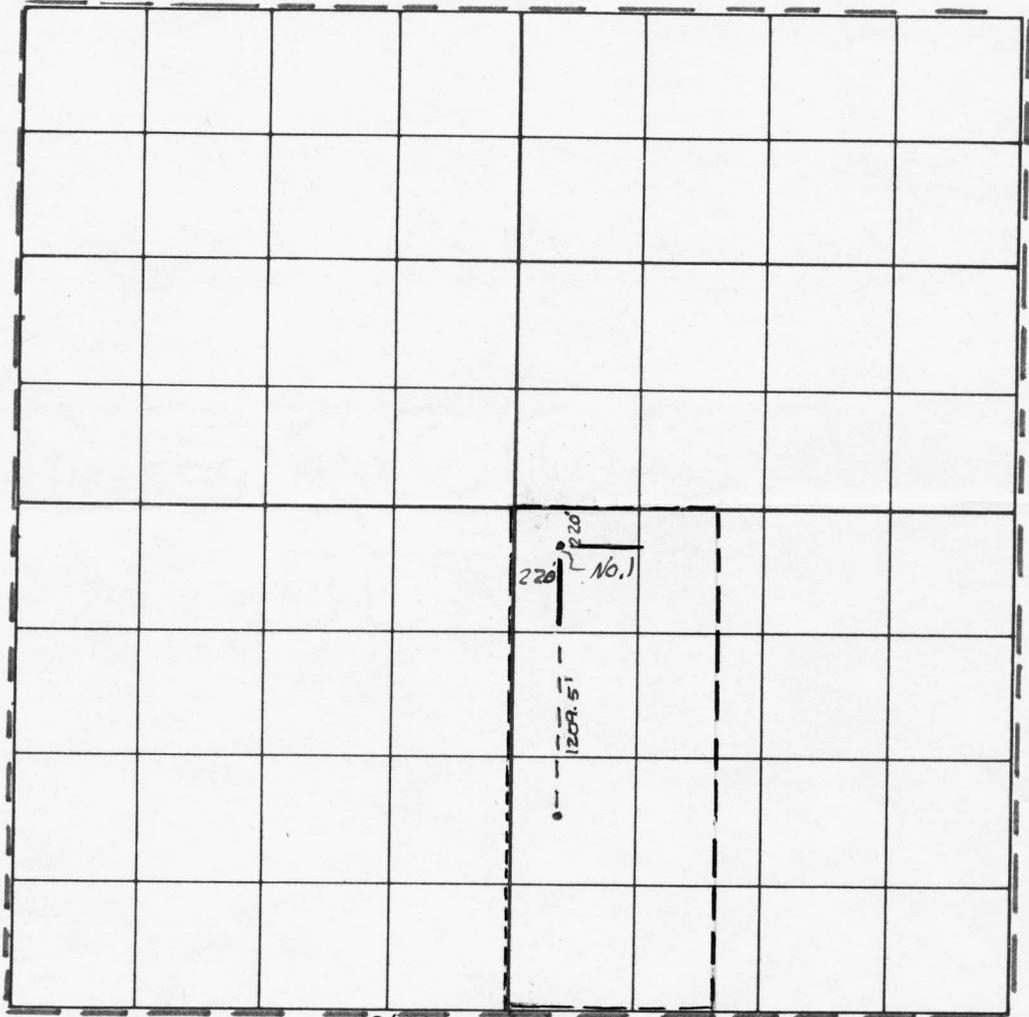
MISSOURI OIL AND GAS COUNCIL  
WELL LOCATION PLAT

Form OGC-4

*C&W  
Oil Prod.*

Owner: LARRY HOTALING ET AL

Lease Name: CHERRYVALE County: CASS  
~~2405~~ feet from S line and 2405 feet from E line  
 2436.5' (N) - (S) (E) - (W) of Sec. 10, Twp. 46 N, Range 33



SCALE  
1" = 1000'

REMARKS:

- LEASE BOUNDARY
- NEAREST PROPOSED WELL
- Section Line

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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.

(SEAL)

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

*B. B. Thomas*  
Registered Land Surveyor

LS-520  
Number

MISSOURI OIL AND GAS COUNCIL

Form OGC-3

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>1</b>
Location <b>2436.5' N of S, 2405' W of E, Sec. 10, Twp. 46N, Rge. 33</b>	

County <b>Cass</b>	Permit number (OGC3 number) <b>20230</b>
Date spudded <b>11/24/81</b>	Date total depth reached <b>612</b>
	Date completed, ready to produce
	Elevation (DF, RKB, RT or Gr.) feet <b>1106</b>
	Elevation of casing hd. flange feet

Total depth <b>612</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 logs run <b>none</b>	Other logs run (list logs filed with the State Geologist)	Date filed

CASING RECORD

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

Depth set in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
none set							

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	Days tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Gas gravity API (Corr.)
Tubing pressure	Casing pressure	Controlled 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.

**20230 Cass**

*[Signature]*  
Signature

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Retain two copies. One will be returned.

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MO. OIL & GAS COUNCIL

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. 1 is located 2436.5 feet from (X) (S) line and 2405

feet from (E) (W) line of Section 10 Township 46N Range 33

Cass County The elevation of the ground at well site is 1106

feet above sea level.

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

Big E Drilling Co. pluggers #849

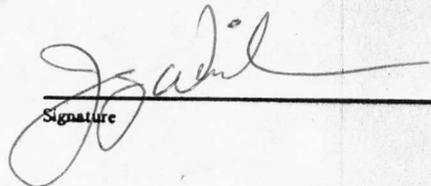
Route #1, Centerville, Kansas 66014

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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MO. OIL & GAS COUNCIL

*20230 Cass*

MISSOURI OIL AND GAS COUNCIL  
PLUGGING RECORD

Form OGC-7

Owner: **C & W Oil Producers Inc.** Address: **Box 8539, Shn. Msn. Kans 66208**

Name of Lease: **Cherryvale Farms** Well No.: **1**

Location of Well: **2436.5' N of S. 2405' W of E. Sec. 10, Twp. 46N. Rge 33** County: **Cass**

Application to drill this well was filed in name of: **C & W Oil Prod. Inc.** 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: **11/25/81** Total depth: **619'** 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 surface 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? **no** 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:
none		

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]*  
Signature

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MO. OIL & GAS COUNCIL

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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.

*20230 core*

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FEB 16 1982

\*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 drillers 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.

MO. OIL & GAS COUNCIL

Permit #: 20230

Date Issued: 11-20-81

County: Cass

Date Cancelled: \_\_\_\_\_

CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Plugged: 2-10-82

COMMENTS:

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

	TYPE	ID #	Date Received
Logs	<u>well log</u>		<u>2-16-82</u>
Samples	chip		
	core		
Analyses	water		
	core		
Additional Submitted Data:			