

Permit #: 20011 Date Issued: 6-15-88
 County: _____ Date Cancelled: _____
 CONFIDENTIAL UNTIL: _____ Date Plugged: 8-16-88

converted 10-8-90

OGC FORMS	Date Received
1	
2	
3	6-15-88
3i	6-15-88
4	
4i	6-15-88
5	
6	
7	10-8-88
8	10-17-88
11	
12	
Misc. Form 2	

COMMENTS:

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

Additional Submitted Data:

Additional Submitted Data:			
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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 Reedwood-Missouri Partnership DATE 3-7-88
2708 West 43rd Kansas City, Kansas 66103
 Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Reedwood Well number 1 Elevation (ground) _____

WELL LOCATION (give footage from section lines)
1980 ft from (N) (S) sec line 1485 ft from (E) (W) sec line

WELL LOCATION Section 12 Township 53N Range 32W County Clay

Nearest distance from proposed location to property or lease line 165 feet
 Distance from proposed location to nearest drilling completed or applied for well on the same lease _____ feet

Proposed depth 800 Drilling contractor, name & address A. G. Glaze Drilling Rotary or Cable Tools rotary Approx. date work will start 4-15-88

Number of acres in lease 300 acres Number of wells on lease, including this well, completed in or drilling to this reservoir. 1
 Number of abandoned wells on lease _____

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

Status of Bond Single Well Amt 2,000 Blanket Bond Amt _____ pending 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>100'</u>							
<u>800'</u>							

I, the undersigned, state that I am the partner of the Reedwood (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 20011 Drillers log required Drill stem test info. required if run
 Approval Date 6/15/88 E-logs required if run Samples required
 Approved By [Signature] Core analysis required if run Samples not required

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

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.

Temporary No. 49

2/6/89

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Clay
 COMPANY OR OWNER Hall Reed
 FARM 1980'FSL & 1485'FWL WELL NO. Reedwood #1A
 LOCATION SE NW SEC 12 T 53N R 32W
 CONTRACTOR/DRILLER A. G. Glaze Drilling
 COMMENCED _____ COMPLETED _____
 PRODUCTION Dry
 CASING RECORD _____
 WATER RECORD _____
 SOURCE OF LOG _____
 REMARKS Logged by Ken Deason, Permit #20011

MGS LOG NO. 28671

-	+	-	-	-	+	-	-	-	+	-	-
-	+	-	-	-	+	-	-	-	+	-	-
-	+	-	-	-	+	-	-	-	+	-	-
-	+	-	-	-	+	-	-	-	+	-	-

NO. SAMPLES 45

SAMPLES RECEIVED 12-13-88

ELEV. 921.24'
 TOTAL DEPTH 680'
 SWL _____

FORMATION	FROM (ft)	TO (to)	*	FORMATION	FROM (ft)	TO (to)
Kansas City Group	0	180	*			
Pennsylvanian System	180	345	*			
Pleasanton Group			*			
Knobtown Member			*			
Helper Member			*			
Marmaton Group			*			
Bardera Member	345	440	*			
Cherokee Group			*			
Excello Formation	440	655	*			

PLUGGING RECORD

Owner Hal Reed		Address 2708 W 43rd St Kansas City, Kansas			
Name of Lease Reedwood		Well No. 1A(1)	Permit Number (OGC-3 or OGC-3I number) 20011		
Location of Well SE 1/4 of the NW 1/4			Sec-Twp-Rng or Block & Survey sec. 12 T53N R32W	County Atchison Clay	
Application to drill this well was filed in name of Reedwood Farms		Has this well ever produced oil or gas? no	Character of well at completion (initial production) Oil (bbls/day) Gas (MCF/day)		Dry? X
Date Abandoned 8-16-88	Total depth 680	Amount well producing prior to abandonment Oil (bbls/day) Gas (MCF/day)		Water (bbls/day)	
		0		0	
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.
squirell		oil	536-542		Filled w/ cement slurry via pump call Bill Athers
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
7"	175'	0	175		
4 1/2"	618	0	618		
				RECEIVED OCT 06 1988 MO Oil & Gas Council Economic Geology	
Was well filled with mud-laden fluid? no cement		Indicate deepest formation containing fresh water. glacial till 175'			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address			Direction from this well:	
James Kyle Thomas	Trimble, MO. 64492			West	
Margaret M. Nelson	Route 1 Box 155B			West	
Keith & Janet Doss	Route 1 Box 156 Trimble			West	
Carolyn Thomas	P. O. box 385 Kearny			West	
	Route 1 Box 155 B Trimble			West	
Method of disposal of mud pit contents: air rig-- evaporation of water no chemicals					
Use reverse side for additional detail.					
File this form in duplicate with					
CERTIFICATE: I, the undersigned, state that I am the <u>Operator</u> of the <u>Reedwood 1</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>Wm C Athers</u>					

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, MO 65401

One will be returned.

3/12/82

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
Bethany Falls	193	214	limestone
Hertha	216	230	limestone
Squirell	536	542	sandstone, good porosity oil stained, heavy
Bartlesville	644	652	sandstone, fair porosity no shows

*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.

JOHN ASHCROFT
Governor



Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

~~FREDERICK A. BRUNNER~~ G. Tracy Mehan, III
Director

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGY & LAND SURVEY

January 26, 1989

P.O. Box 250, 111 Fairgrounds Road
Rolla, MO 65401
314-364-1752

Mr. William C. Athens
Delphi International Inc.
810 Utica Bank Tower
21st at Utica
Tulsa, OK 74104

Dear Mr. Athens:

Enclosed is your approved plugging report for the Reedwood #1A well, that you informed me was filled with cement slurry from bottom to top. I forgot to ask you if you cut the surfacing casing off below plow depth. I am assuming that you have, if not, please let me know. Since you have satisfied the plugging requirements of the Missouri Oil and Gas Council, I now can authorize cancellation of your drilling bond in the amount of \$2000 issued through the Twin City State Bank through an Irrevocable Letter of Credit #160.

Also enclosed is a copy of the approved Well Conversion Agreement for the Reedwood #1 well, the well you started to drill, encountered problems and thereby having to move over and drill the Reedwood #1A.

If I can be of any further assistance, or if you have any questions, please let me know.

Sincerely,

ECONOMIC GEOLOGY

A handwritten signature in cursive script that reads "Bruce W. Netzler".

Bruce W. Netzler
Geologist, Oil and Gas

BWN:rcb

Enclosures:

cc: Ralph Dirksen, Executive Vice-President
Twin City State Bank
P.O. Box 3160
Kansas City, KS 66103

cc: Hal Reed
2708 West 43rd Ave.
Kansas City, KS 66103



RECEIVED
 OCT 17 1988

MO Oil & Gas Council
 Economic Geology

This agreement is made this 3rd day of October, 1988, between
William C. Athens of Delphi International Inc,
 owner of the following described well or test hole, hereinafter called "operator," and _____
Hal Reed of Reedwood Farms,
 owner of surface rights to the land on which the following described well or test hole is situated,
 hereinafter called "landowner."

WHEREAS operator has drilled or has caused to be drilled a test well for oil and gas, or has
 operated a producing well, which well is known as Reedwood 1 and is
 located SE 1/4 of the NW 1/4 sec 12 T53N R32 W,
Clay County, Missouri;

WHEREAS operator desires to plug and abandon said well or test hole in a manner approved
 by the Missouri Oil and Gas Council;

WHEREAS landowner desires to employ said well or test hole as a source of potable water for
 the beneficial use of himself or himself and others;

NOW THEREFORE, it is agreed that operator shall plug the hole in accordance with the rules,
 regulations and instructions of the Missouri Oil and Gas Council except that no plug shall be
 set at the surface in said well or test hole nor shall surface pipe be cut off below plow depth,
 thus facilitating the use of the well or test hole as a water source well.

Landowner hereby acknowledges that the operator will be released by the Missouri Oil and Gas
 Council from future liability for further plugging which may be required by the Council and accepts
 full responsibility for the operation of the well or test hole as a water well and for the proper
 plugging and abandonment thereof when its use for this purpose has ended.

approval 1-25-89
 BWN

Jama Holly Williams

WITNESS SIGNATURE <i>Tanya L. Coffey</i>	DATE 10/13/88	OPERATOR SIGNATURE <i>William C. Athens</i>	DATE 9-3-88
WITNESS SIGNATURE <i>Hal Reed</i>	DATE 10/6/88	LANDOWNER SIGNATURE <i>Hal Reed</i>	DATE 10-6-88

Missouri Oil and Gas Council
WELL LOCATION PLAT

Owner: Hal Reed & T. J. Wood Jr.

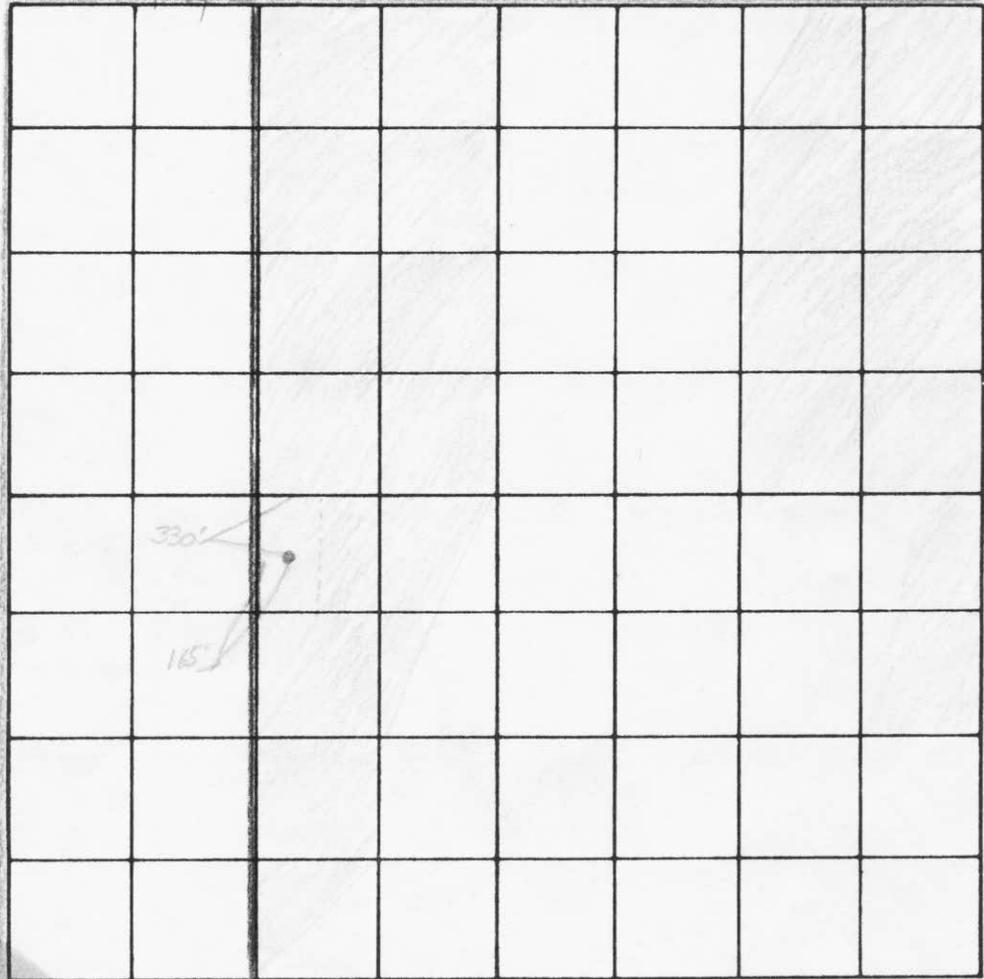
Lease Name: Reedwood/Missouri Partnership County: Clay

 feet from section line and feet from section line of Sec. 12, Twp 53 N., Range 32W
(N)-(S) (E)-(W)



SCALE
1" =

Smithville Reservoir



REMARKS: _____

There have been no wells drilled in Sec. 12

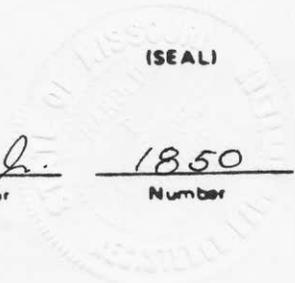
INSTRUCTIONS

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.

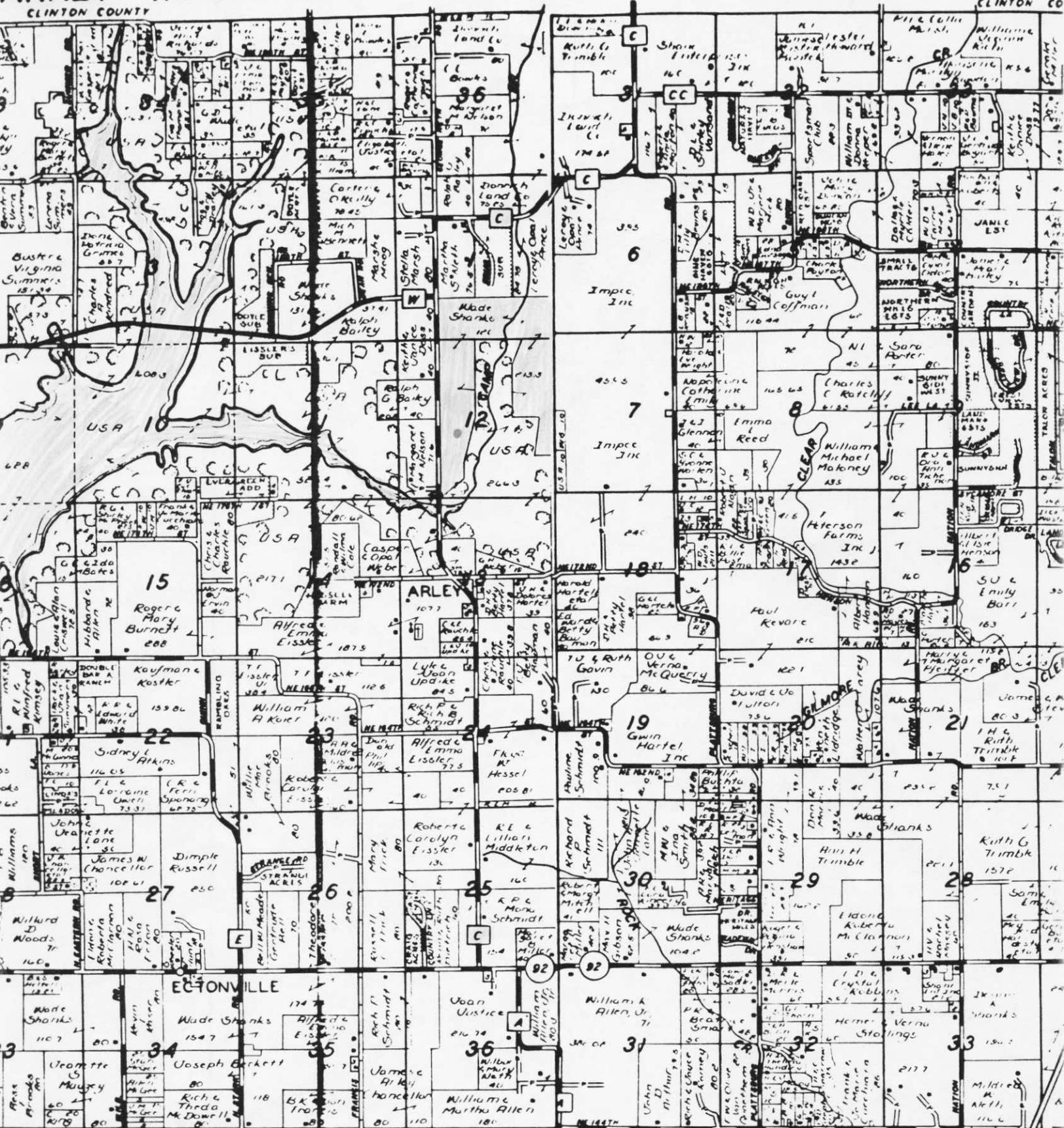
This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

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

H. B. Barry 1850
Registered Land Surveyor Number



ARNEY T.53-54N.-R.32W. PART NORTHEAST KEARNEY



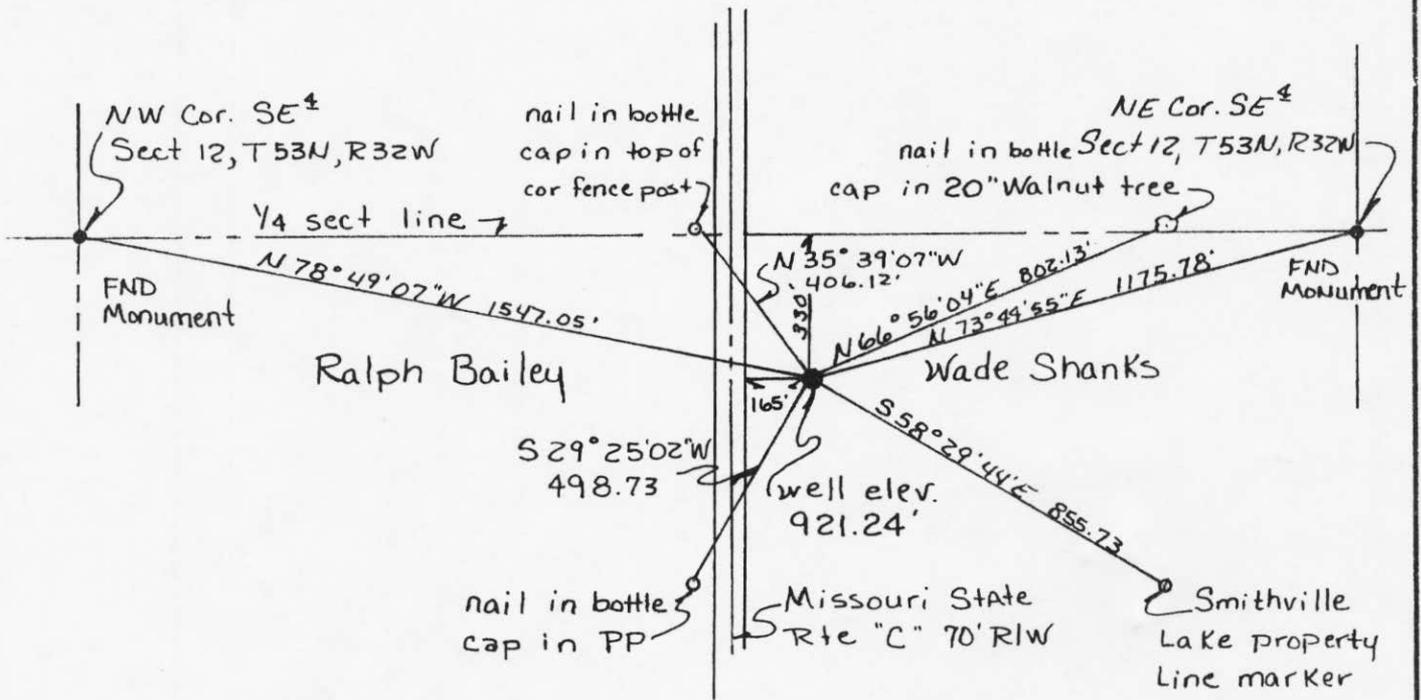
SEE PAGE 15

PLATTE TWP → KEARNEY TWP

Clay County, Mo

1880 Rockford Map Publ. Inc

SEE PAGE



PLAT of SURVEY
 Location of a well in the SE^{1/4}
 Section 12, T53N, R32W,
 Clay Co., Missouri



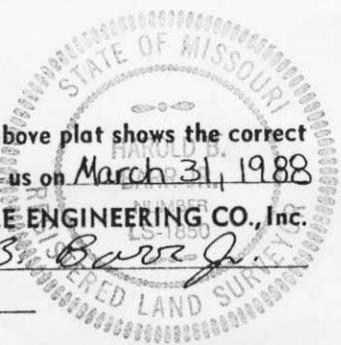
Scale 1" = 400'

This is to certify that the above plat shows the correct results of a survey made by us on March 31, 1988

BARR & RIDDLE ENGINEERING CO., Inc.

By H. B. Barr Jr.

Sur. Bk. RB-94 Page 1



BARR & RIDDLE ENGINEERING CO., Inc.
 ST. JOSEPH, MISSOURI

For Delphi International, Inc.

Date April 4, 1988 File No. F12759