Permit #: 20008

Date Issued: 6-1-82

County: HOLT

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged: 6-16-82

OGC FORMS	Date Received
1	
2	
3	5-14-82
3i	
4 revised	6-28-82 / 6-7-82
4i	
5	
6	
7 x 2 revised	6-28-82 / 7-19-82
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	Gamma-Ray		
	S-P Caliper		
Samples	chip ✓		
	core		
Analyses	water		
	core		

Additional Submitted Data: Report

COMMENTS:

Stripped 2-25-83

Form OGC - 3

MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR Brandt Production Company, Inc. DATE May 10, 1982

1200 Douglas Building, 105 S. Broadway, Wichita, KS. 67202
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease	Well number	Elevation (ground)
Currie	1	950 Gr. (Est.)

WELL LOCATION (give footage from section lines)
330 ft. from (N) sec. line 330 ft. from (E) sec. line

WELL LOCATION Section 21 Township 63N Range 40W County Holt

Nearest distance from proposed location to property or lease line: 330 feet

Distance from proposed location to nearest drilling, completed or applied – for well on the same lease: 475 feet NE of abandoned producer feet

Proposed depth:	Rotary or Cable tools	Approx. date work will start
3000'	Rotary	June 8, 1982

Number of acres in leases. (2 unitized)
120 acres

Number of wells on lease, including this well, completed in or drilling to this reservoir: 1

Number of abandoned wells on lease: 1

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 ☐ Amt. _____ Blanket Bond ☒ Amt. $40,000 ☐ 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:

amt.	size	wt./ft.	cem.
225'	8-5/8"	20#	225 sacks

Approved casing – To be filled in by State Geologist

amt.	size	wt./ft.	cem.

I, the undersigned, state that I am the President of the Brandt Production Company, Inc. of the (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 Earl O. Brandt
Earl O. Brandt

Permit Number: 20008

Approval Date: 6/1/82

Approved By: Wallace B. Howe

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

☒ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

WATER SAMPLES REQUIRED @: _____

RECEIVED
MAY 14 1982
MO. OIL & GAS COUNCIL

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.

LAUGHLIN SIMMONS & CO. OF KANSAS, INC.
1337 N. Meridian, Suite 2 Wichita, Kansas 67203 316 943 5351

6-1-82

Re: 21-63N-40W Brandt O.S. #1 Corrie

These plats to replace plats sent 5-26-82 (without base line indications)

Thank you,

R. E. Howe R.L.S.

RECEIVED
JUN 07 1982
MO. OIL & GAS COUNCIL

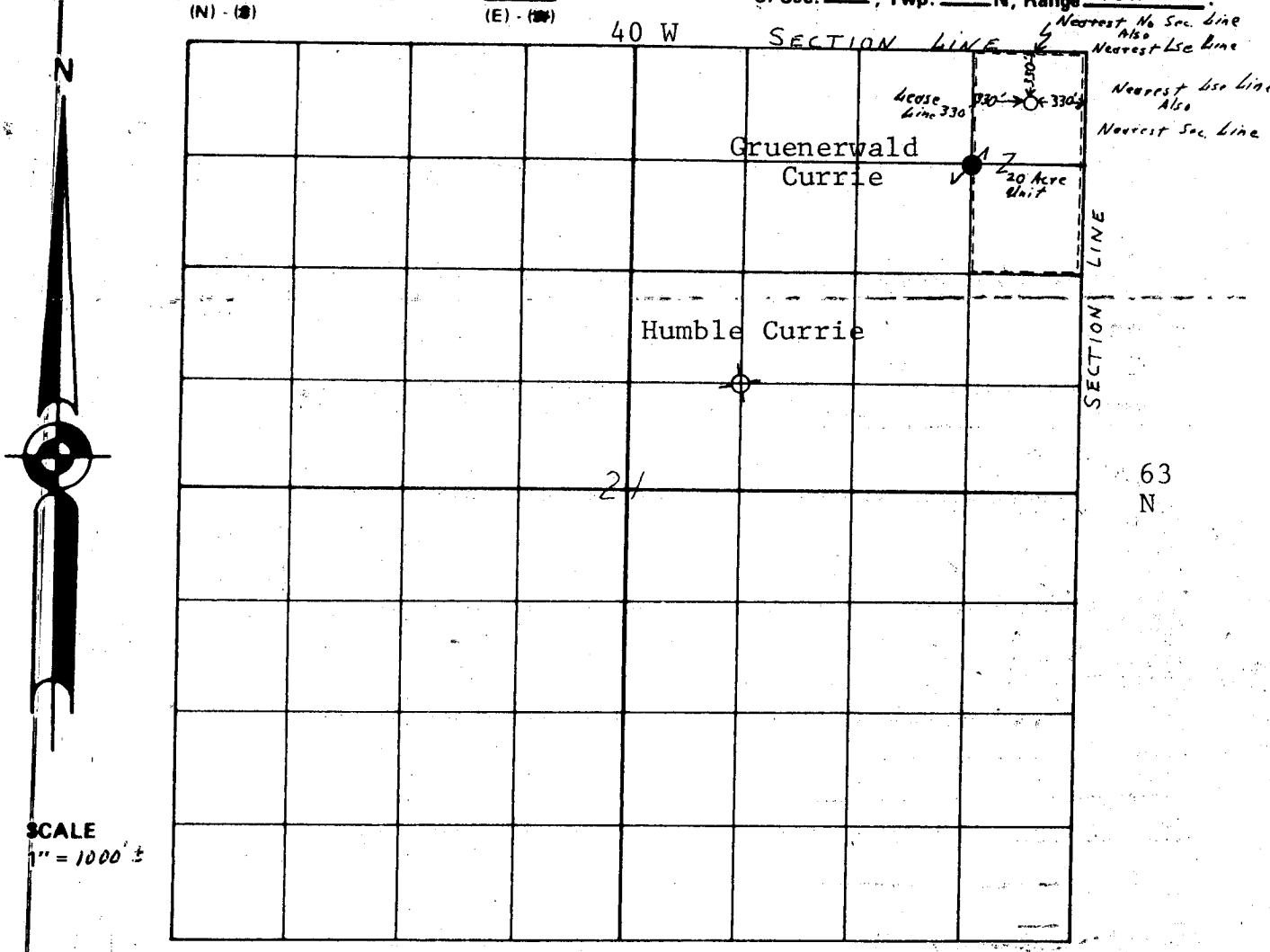
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: Brandt Production Company Inc.

Lease Name: Currie **County:** Holt

330 feet from North (N) - line and 330 feet from East (E) - line of Sec. 21, Twp. 63 N, Range 40W



REMARKS: Proposed test is approximately 475' northeast of an abandoned producer that was drilled in 1959

#20008

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.

ROBERT E. MOSER REGISTERED LS-329 (SEAL) LAND SURVEYOR

RECEIVED
JUN 07 1982
MO. OIL & GAS COUNCIL

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

R. E. Moser
Registered Land Surveyor

6-1-82

LS 329
Number

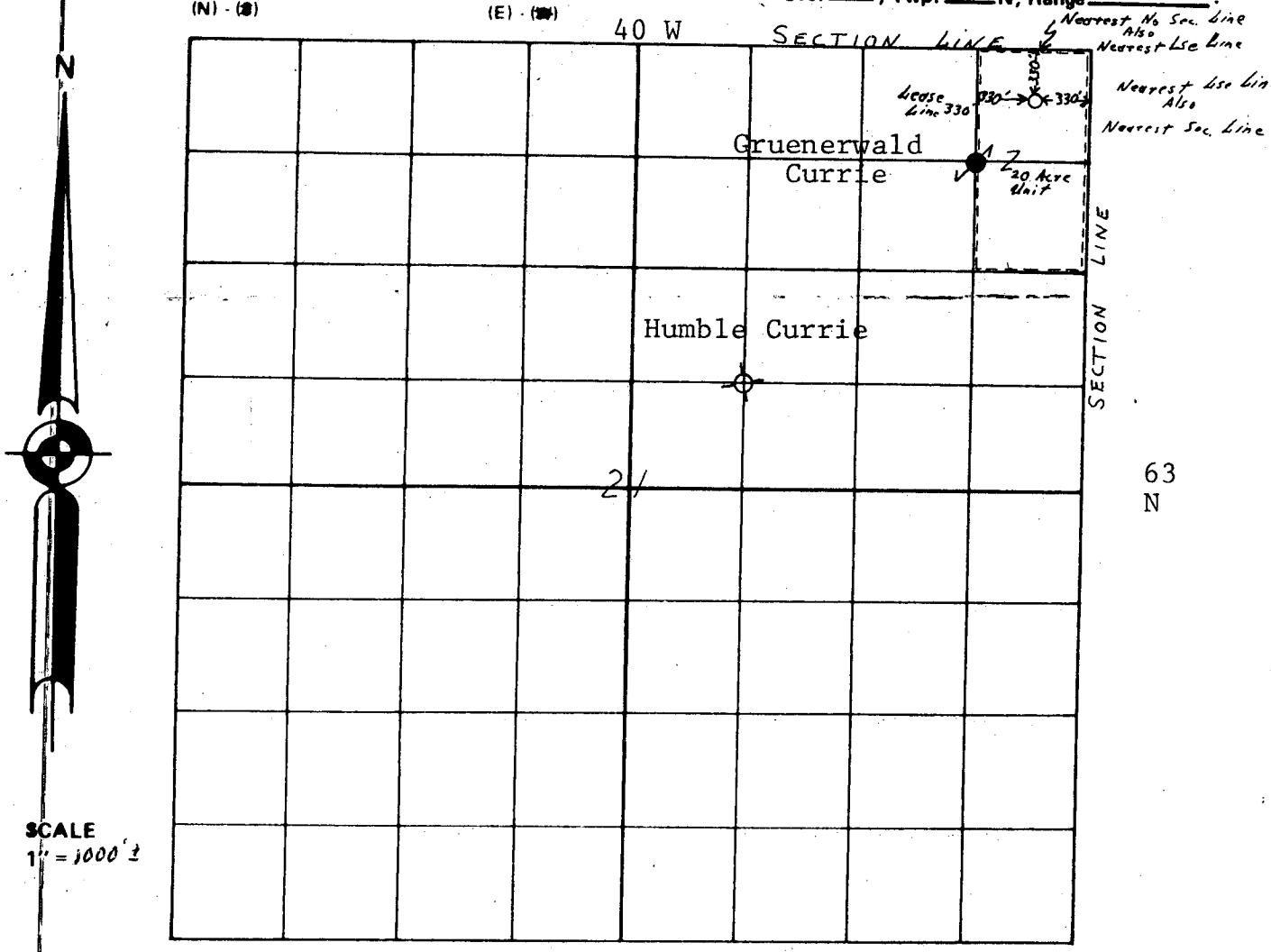
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC–4

Owner: Brandt Production Company Inc.

Lease Name: Currie **County:** Holt

330 feet from North (N) - line and 330 feet from East (E) - line of Sec. 21, Twp. 63 N, Range 40W.



REMARKS: Proposed test is approximately 475' northeast of an abandoned producer that was drilled in 1959

#20008

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.

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

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.

ROBERT E. MOSER REGISTERED LS-329 KANSAS LAND SURVEYOR (SEAL)

R. E. Moser
Registered Land Surveyor
6-1-82

L-S 329
Number

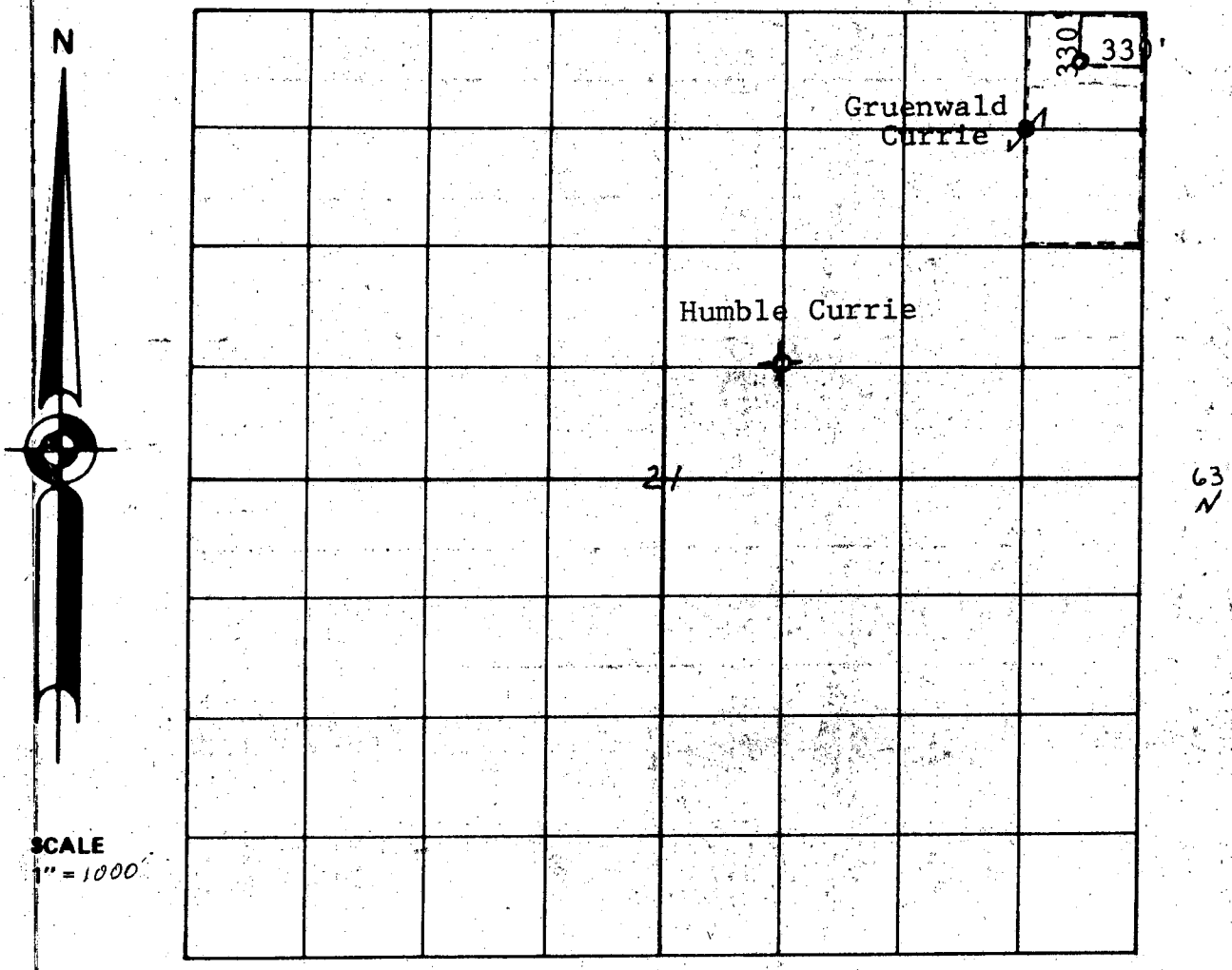
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: Earl O. Brandt, d/b/a Brandt Oil Company 1200 Douglas Bldg Wichita, Ks 67202

Lease Name: Currie **County:** Holt

330 feet from north (N) - (S) line and 330 feet from east (E) - (W) line of Sec. 21, Twp. 63 N, Range 40W.



SCALE
1" = 1000'

REMARKS: Proposed test is 475' northeast of abandoned producer that was drilled in 1959.

#2000 8 Samples required every 10 feet

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.

RECEIVED
MAY 28 1982
MO. OIL & GAS COUNCIL

(SEAL)

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

One will be returned.

R. E. Moser
Registered Land Surveyor

L-S-329
Number

Missouri Oil and Gas Council

PLUGGING RECORD * (REVISED 7-13-82)

Form OGC-7

(ORIGINAL MAILED 6-25-82)

Owner: Brandt Production Company, Inc.		Address: 1200 Douglas Building, 104 S. Broadway, Wichita, Kansas 67202	
Name of Lease: Currie		Well No.: 1	Permit Number (OGC-3 or OGC-3I number): 20008
Location of Well: 70' SE of NE-NE-NE	Sec-Twp-Rng or Block & Survey: 21-63N-40W		County: Holt
Application to drill this well was filed in name of: Brandt Production Company, 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: 6-16-82	Total depth: 3025'	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			

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
8-5/8"	296'	None	296'	None	

Was well filled with mud-laden fluid? Yes

Indicate deepest formation containing fresh water. Surface Gravels

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

Name	Address	Direction from this well:
All offset oil & gas leases owned by Earl O. Brandt, d/b/a Brandt Oil Company (Sole Proprietor)		
Surface Owners of Adjacent Land: RS&K, Inc., c/o Kenneth Haer, Route 2, Fairfax, MO- ~~(Direction from this well: North & East ; AND Mr. & Mrs. Albert J. Kamler, 2307 Agency Rd.~~ St. Joseph, Mo. 64503 - Northwest		

Method of disposal of mud pit contents:
Jet off, allow to dry & cover with top soil

Use reverse side for additional detail. * (See plugging method on next page)

File this form in duplicate with

NOTE: This Revised Form filed in duplicate 7-13-82 w/Missouri O&G Council, POBox 250 Rolla, Mo. 65401

CERTIFICATE: I, the undersigned, state that I am the President of the Brandt Production Company, 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.

RECEIVED Signature Earl O. Brandt
Earl O. Brandt

JUL 19 1982

MO. OIL & GAS COUNCIL

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

One will be returned

3/12/82

Missouri Oil and Gas Council

Form OGC-7

PLUGGING RECORD

Owner	Address
Brandt Production Company, Inc.	1200 Douglas Building, 104 S. Broadway Wichita, Kansas 67202

Name of Lease	Well No.	Permit Number (OGC-3 or OGC-3I number)
Currie	1	20008

Location of Well	Sec-Twp-Rng or Block & Survey	County
70' SE of NE-NE-NE	21-63N-40W	Holt

Application to drill this well was filed in name of	Has this well ever produced oil or gas?	Character of well at completion (initial production) Oil (bbls/day)	Gas (MCF/day)	Dry?
Brandt Production Company, Inc.	No			Yes

Date Abandoned	Total depth	Amount well producing prior to abandonment Oil (bbls/day)	Gas (MCF/day)	Water (bbls/day)
6-16-82	3025'			

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
8-5/8"	296'	None	296'	None	

Was well filled with mud-laden fluid?	Indicate deepest formation containing fresh water.
Yes	Surface Gravels

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

Name	Address	Direction from this well:
All offset oil & gas leases owned by	Earl O. Brandt, d/b/a Brandt Oil Company (Sole Proprietor)	
Surface Owners of Adjacent Land: RS&K, Inc., c/o Kenneth Haer, Route 2, Fairfax, Mo. - Direction from this well: North & East		
	Mr. & Mrs. Albert J. Kamler, 2307 Agency Rd., St. Joseph, MO.64503	N.W.

Method of disposal of mud pit contents: Jet off, allow to dry & cover with top soil

Use reverse side for additional detail.

File this form in duplicate with

CERTIFICATE: I, the undersigned, state that I am the President of the Brandt Production Co., 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.

RECEIVED

Signature Earl O Brandt

Earl O. Brandt

DATE MAILED: 6-22-82

JUN 28 1982

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

MO. OIL & GAS COUNCIL

One will be returned.

3/12/82

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
	0	262	Soil & Surface Gravels
	262	277	Lime
	277	302	Shale
	302	386	Lime
	386	422	Shaley Lime
	422	436	Lime
	436	440	Shale, black
	440	502	Lime
Heebner	502	506	Shale, black & gray, carbonaceous
	506	556	Lime with Shale Streaks
	556	684	Shale, greenish grey, mica and wilty
Lans-K.C.	684	1005	Lime, tan to brown, granual & crystalline with thin streaks of shale
	1005	1075	Lime, crystalline, hard dense
	1075	1158	Shales, streaks argillaceous lime
	1158	1906	Shales, silty & sandy, with various well-developed sand bodies throughout Section 1458-70, 1490-99, 1663-72, 1735-71, 1843-73; & 1890-1900
Miss.Chert	1906	1910	Chert, white to grey, dense
Miss.Dol.	1910	2014	Dolomite, cherty & sandy
	2014	2024	Dolomite, limey
	2024	2061	Dolomite, crystalline, sucrosic
Kinderhook	2061	2203	Shales, grey green, gran and maroon
	2203	2310	Shales, limey, and Shaley lime
Hunton Chert	2310	2316	Chert, brown
	2316	2880	Dolomite, crystalline, vuggy cavernous - Streaks good to excellent porosity
Maquoketa	2880	2910	Shales, grey to green, slightly limey
Viola	2910	2915	Chert, white to grey, fresh mottled
	2915	2967	Dolomite, greyish tan with streaks of chert
	2967	3025	Dolomite, medium dark brown, granular, tight
	3025		Rotary Total Depth

NOTE: No important zones of porosity, no cores or drill stem tests taken.

*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.

RECEIVED
JUN 28 1982
MO. OIL & GAS COUNCIL

INSTRUCTIONS

Attach drillers log or other acceptable log of well if available

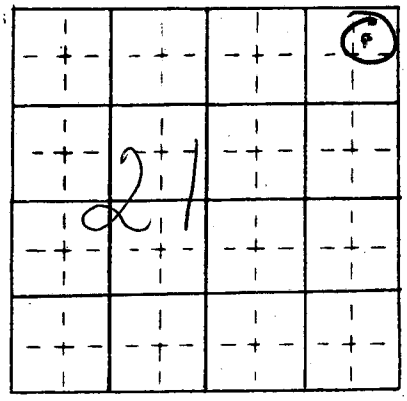
This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

Temporary No. _____ 9-22-86

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Atchison
COMPANY OR OWNER Brandt Production Company
FARM Currie WELL NO. 1
LOCATION 330' FNL & 330' FEL SEC 21 T 63 R 40
CONTRACTOR/DRILLER Brandt Drilling
COMMENCED COMPLETED
PRODUCTION Dry
CASING RECORD
WATER RECORD
SOURCE OF LOG
REMARKS OGC #20008

MGS LOG NO. 28631



ELEV. 994'
TOTAL DEPTH 3025'
SWL

NO. SAMPLES SAMPLES RECEIVED 8-17-82

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
Shawnee Group	365	600			
Pedee-Douglas	600	710			
Kansas City - Lansing Group	710	1005			
Marmaton-Pleasanton	1005	1150			
Cherokee Group	1150	1905			
Mississippian System	1905	2060			
Kinderhook	2060	2205			
Devonian	2205	?			
Silurian	?	2895			
Maquoketa	2895	2920			
Kimmswick	2920	3025			

BRANDT PRODUCTION COMPANY, INC.
1200 DOUGLAS BUILDING WICHITA, KANSAS 67202

• PHONE (316) 267-4335

June 17, 1982

GEOLOGICAL REPORT
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE, 70' SE OF NE-NE-NE SEC. 21-63N-40W
HOLT COUNTY, MISSOURI

The following is my Geological Report covering the Brandt Production Company, Inc. #1 Currie, located approximately 70' SE of the NE-NE-NE Sec. 24-63N-40W, Holt County, Missouri. The captioned well was under Geological supervision from 600' to total depth. Samples were examined, both wet and dry, from 350' to total depth. There were no drill stem tests or cores taken. A Gamma Ray-Density S-P Caliper log was run from 0' to Total Depth. A set of Samples have been sent to the Missouri State Geological Survey, Department of Natural Resources, Rolla, Missouri.

OPERATOR:	BRANDT PRODUCTION COMPANY, INC.
CONTRACTOR:	BRANDT DRILLING CO., INC.
LOCATION:	70' SE OF NE-NE-NE 21-63N-40W, HOLT COUNTY, MISSOURI
ELEVATION:	988 GR; 994 KB
DRILLING COMMENCED:	JUNE 9, 1982
DRILLING COMPLETED:	JUNE 16, 1982
SURFACE CASING:	8-5/8" SET @ 296' WITH 150 SX.
ELECTRICAL SURVEYS:	S.P.-RES GAMMA DENSITY CALIPER
RESULTS:	DRY & ABANDONED (D&A)

LOG TOPS

		994 KB
Howard Lime	262	(+682)
Topeka Lime	302	(+692)
Deer Creek	344	(+650)
Tecumseh Shale	386	(+608)
LeCompton Lime	422	(+572)
Oread Lime	466	(+533)
Heebner Shale	502	(+492)
Lansing Lime	684	(+310)
Base Kansas City	1005	(-11)
Cherokee Shale	1158	(-164)

RECEIVED
JUN 28 1982
MO. OIL & GAS COUNCIL

LOG TOPS (Continued)

Cherokee Sand	1458	(-464)
Cherokee Sand	1490	(-496)
Cherokee Sand	1663	(-770)
Cherokee Sand	1735	(-741)
Cherokee Sand	1843	(-849)
Cherokee Sand	1890	(-896)
Mississippian Chert	1906	(-912)
Mississippian Dolomite	1910	(-916)
Kinderhook Shale	2061	(-1067)
Hunton Chert	2310	(-1316)
Hunton Dolomite	2316	(-1322)
Maquoketa Shale	2880	(-1886)
Viola Fornvale	2910	(-1916)
Viola Trenton	2967	(-1973)
Rotary Total Depth	3025	(-2031)
Log Total Depth	3024	(-2030)

ZONES OF INTEREST:

The Cherokee Sands consisted of lenticular sands developed throughout the Cherokee Section. Generally they exhibited good reservoir qualities; however, they did not carry any shows of oil or gas.

1458-1470	Sand, gray formed, very friable with fair porosity. No show.
1490-1499	Sand, gray, medium-coarse, friable shale, calcarious, subangular, frosted, fair to good porosity. No show.
1663-1672	Sand, white to gray, very fine, clear, subangular, semi-friable to quarzitic, poor porosity. No show.
1735-1771	Sand, brown, fine to medium, occasionally coarse, subangular, poorly sorted, poor porosity. No show.
1843-1872	Sand, white, fine to very fine at top, becoming medium-grained at 1855, clear, sub-rounded, friable, occasionally glassy, fair porosity, with loose boon, unconsolidated sand grains. No show.
1890-1899	Sand, medium-grained, mostly unconsolidated, clear, rounded, fair porosity. No show.

ZONES OF INTEREST: (Continued)

Mississippian Dolomite 1910 (-916)

1967-1981 Sand, white, fine to very fine, friable, sub-rounded, clear and Dolomite. Brown, and crystalline, vuggy to sucrosic, good inter-crystalline and vuggy porosity. No show. Considerable white to gray vitreous mottled chert.

Hunton Dolomite 2316 (-1322)

2323-2341 Dolomite, tan to gray, coarse crystalline, occasionally rhombic, good inter-crystalline, vuggy and inter-crystalline porosity. No show.

2602-2840 The entire interval consisted of zones of fine to medium crystalline, calcitic dolomite, good to excellent zones of inter-crystalline, vuggy and caverrous porosity throughout the entire interval. The entire interval can be considered as potential lost circulation zone. There were no shows detected.

Viola (Fornvale) 2910 (-1916)

2910-2914 Chert, white to gray, fresh, angular, mottled, vitreous opaque. No porosity. No show.

2915-2967 Entire interval consisted of dolomite, light brown, earthy, speckles, dense dolomite and dark brown finely granular shaley dolomite. No porosity. No show. No odor.

Viola (Trenton) 2967 (-1973)

Dolomite, medium to dark brown, coarsely granular to fine, medium crystalline with granular matrix. Circulated at 2991.

2991-2999 Dolomite, white, fine to medium and tan to brown, mostly fine crystalline, very poor porosity, No show. No odor, No fluorescence. Circulated at 2999'.

DISCUSSION:

The captioned test was located approximately 475' northeast of the Gruenwald #1 Currie, an abandoned producer that was originally completed for 125 barrels of oil per day (BOPD) from the Viola (Trenton).

Structurally, our test ran favorable on the upper beds. On top of the Heebner the captioned test was 8 feet high; Lansing, 15 feet high, Cherokee, 10 feet high; Mississippian, 10 feet high; Kinderhook, 14 feet high; and Hunton 13 feet high. The Hunton Section thickened 16 feet, resulting in the top of the Viola (Fornvale) being 1 foot lower and the Viola (Trenton) being 6 feet lower than the abandoned producer. In addition, the pay zone in the Gruenwald #1 Currie failed to develop on the captioned test. There was no porosity detected in the samples and the electric log confirmed the absence of porosity throughout the Viola Section. A zone of porosity which tested oil on the #1 Fletcher, C-SW-SW Section 15, also failed to develop in the Brandt #1 Currie. Consequently, two of the primary zones of porosity (both of which tested oil in offset wells) failed to develop in our test.

There were good to excellent reservoir beds developed in the Hunton Dolomite, as well as good zones in numerous lenticular sandstones in the Cherokee Section; however, none of these carried any shows of hydrocarbon.

In view of the absence of any porosity development, as well as absence of any hydrocarbons confirmed, both by sample determination and electric log calculations, the decision was made to abandon the test at a total depth of 3025 feet.

The hole was plugged on June 16, 1982, according to the requirements of the Missouri Oil & Gas Council, Department of Natural Resources. A complete set of samples from 350 feet to 3025 feet has been preserved and sent to the State of Missouri, Department of Natural Resources.

Respectfully submitted,

Earl O. Brandt

EARL O. BRANDT
REGISTERED PROFESSIONAL GEOLOGIST

EOB:vfy

Brandt Production Company, Inc. #1 Currie: 70' SE of NE-NE-NE 21-63N-40W, Holt Co., Mo.

DETAIL OF FORMATIONS PENETRATED

ELEVATION: 994' KB

Formation	Top	Bottom	Description (See * below)
	0	262	Soil & Surface Gravels
	262	277	Lime
	277	302	Shale
	302	386	Lime
	386	422	Shaley Lime
	422	436	Lime
	436	440	Shale, black
	440	502	Lime
Heebner	502	506	Shale, black & gray, carbonaceous
	506	556	Lime with Shale Streaks
	556	684	Shale, greenish grey, mica and wilty
Lans-K.C.	684	1005	Lime, tan to brown, granual & crystalline with thin streaks of shale
	1005	1075	Lime, crystalline, hard dense
	1075	1158	Shales, streaks argillaceous lime
	1158	1906	Shales, silty & sandy, with various well-developed sand bodies throughout Section 1458-70, 1490-99, 1663-72, 1735-71, 1843-73; & 1890-1900
Miss.Chert	1906	1910	Chert, white to grey, dense
Miss.Dol.	1910	2014	Dolomite, cherty & sandy
	2014	2024	Dolomite, limey
	2024	2061	Dolomite, crystalline, sucrosic
Kinderhook	2061	2203	Shales, grey green, gran and maroon
	2203	2310	Shales, limey, and Shaley lime
unton Chert	2310	2316	Chert, brown
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	2915	2967	Dolomite, greyish tan with streaks of chert
	2967	3025	Dolomite, medium dark brown, granular, tight
	3025		Rotary Total Depth

NOTE: No important zones of porosity, no cores or drill stem tests taken.

PLUGGING INFORMATION X (ADDED 7-13-82)

Plug & 20 Sx @ 2310'
Plug & 20 Sx @ 1906'
10 Sx Base of Surface Casing
2 Sx Rat Hole
Job Completed @ 11:30 PM 6-16-82
BY BRANDT DRILLING CO., Inc., Contractor

*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.

RECEIVED
JUL 19 1982
MO. OIL & GAS COUNCIL

STRUCTIONS:

Attach drillers log or other acceptable log of well if available

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

BRANDT PRODUCTION COMPANY, INC.
1200 DOUGLAS BUILDING WICHITA, KANSAS 67202

• PHONE (316) 267-4335

June 17, 1982

DRILLING TIME
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE, 70' SE OF NE-NE-NE SEC. 21-63N-40W
HOLT COUNTY, MISSOURI

314-20	1-2-½-½-1-1		
30	1-1-1-½-2½	2-½-½-2-1	
40	1-1-1-2-½	½-1-0-0-0	Conn. & Jet @337'
50	0-0-2-1-2	2-8-10-7-7	
60	½-½-½-½-1	1-2-1-1-1	
70	1-1-1-1-1	1-1-2-1-½	Conn. @ 368'
80	2½-2-2-1-1	1-1-1-1-1	
90	½-½-1-2-3	1-½-½-1-½	
00	½-½-½-2-1	½-½-1-¼-½	Conn. @ 398'
400-10	¼-¼-1-½-½-	1-½-½-½-½	
20	½-½-½-½-½	½-½-½-½-½	
30	½-½-1-½-½	½-½-½-1-1	Conn. @ 429'
40	1-½-½-1-1	1-1-2-1-2	
50	3-½-½-½-½	1-4-3-1-1	
60	3-2-1-½-½	3-2-3-2-2	Conn. @ 460'
70	1-1-1-1-½	½-½-½-½-½	
80	½-½-½-½-5	3-2-1-2-1	
90	2-3-3-2-2	2-2-2-3-2	Conn. @ 490'
00	2-2-2-2-1	1-2-2-1-1	
500-10	1-2-2-2-1	½-½-½-½-1	
20	1-3-1-1-½-	½-½-½-1-½	
30	½-1-1-1-1	1-3-2-2-2	Conn. @ 522'
40	1-½-½-½-½	½-½-1-½-1½	
50	1-½-½-½-¼	¼-½-½-1-1	
60	1-1-1-½-½	½-½-½-1½-½	Conn. @ 552'
70	3½-2-1-1-½	½-½-½-½-½	(Nail in Mud Pump @561')
80	½-½-½-½-½	½-1-1-1-½	
90	½-½-½-1-1	½-1-1-1-1	Conn. @ 584' & Nail in Mud Pump @589'
00	½-½-1-½-½	1-½-½-1-1	
600-10	1-1-1-1-1	1-1-1-1-1	
20	1-1-1-1-1	1-1-1-½-½	Conn. @ 616'
30	1-½-½-1-½	½-½-½-½-½	
40	½-½-½-1-½	½-1-½-½-1	
50	½-½-1-½-½-	½-½-1-1-1	Jet Pits & Conn.@647'
60	1-2-1-1½-1½	1-2-1-2-1	
70	1-1-1-1-½	½-1-1-½-½	
80	1-1½-1½-1	2-2½-1½-2-1	Conn. @ 679'
90	1-½-½-1-1	½-½-½-½-½	
00	½-½-½-2-3	4-4-3-½-2½	

DRILLING TIME
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE

700-10	2-1-2-1-1	1-2-4-4-2	Conn. @ 710'
20	1½-1½-1-1½-1½	1-2-1-1-2	
30	1-1½-1½-1-2	2-1-½-½-2	
40	1½-1-½-1-1	1-1-1-1-	
50	1-2-2-2-2	½-½-½-½-1	Conn. @ 742'
60	2-1½-1½-1-1	2-1-1-2-1	
70	2-1-1-1-1	1-2-2-2-2	
80	2-2-1-½-1	½-1-1-½-½	Conn. @ 774'
90	1-½-½-1-½	½-1-1-½-½	
00	1-1-1-1-1	½-½-1-½-½	
800-10	1-1-½-½-1	1-1-1-½-½	Conn. & Rig Ck.@804'
20	1-1-1-1-1	1-1-1-1-2	Blew Nail @ 811'
30	2-2-2-2-1	1-1-½-1½-1	
40	1-1-1-1-1	1-1-1-1-½	Conn. @ 833'
50	½-½-½-1-1	1-1-2-3-3	
60	2-1-2-1-2	2-2-2-1-1	
70	3-1-1-1-2	1-1-1-1-1	Conn. @ 862
80	1-1-1-1-1	1-1-1-1-2	
90	1-1-1-1-1	1-2-2-2-2	
00	1-1-½-½-1	1-2-2-3-3	Conn. @ 894'
900-10	3-1-2-2-1	2-2-2-2-2	
20	2-2-2-2-2	2-2-2-2-2	
30	1-1-½-½-1	1-1-1-1-2	Conn. to put flowline back on @ 926'
40	2-3-3-2-3	2-2-3-2-3	
50	2-3-1-2-2	2-2-2-2-1	
60	2-½-½-1-2	1-1-1-1-½	Conn. @ 957'
70	½-1-3-3-2	2-1-1-2-1	
80	1-1-3-2-1	2-2-2-2-2	
90	1-1-1-½-½	1-1-½-½-1	Conn. & Jet Pits@989'
00	1-2-2-1-1	1-1-1-1-1	
1000-10	1-2-1-1-1	1-2-2-3-2	
20	3-2-2-1-1	1-1-1-1-1	Conn. @ 1020'
30	1-1-2-1-1	1-2-1-1-1	
40	2-1-2-1-2	1-1-1-1-1	
50	2-1-1-2-3	2-2-2-1-2	
60	1-1-1-1-1	1-2-1-1-1	Conn. @ 1050'
70	1-1-1-1-1	1-1-1-½-1½	
80	3-3-1-2-1	1-1-½-½-1	
90	1-2-1-1-½	½-1-1-½-½	Conn. @ 1081'
00	½-½-1-½-½	1-½-½-½-2½	
1100-10	1-1½-1½-1-1	1-1-½-½-1	
20	½-½-2-2-3½	1½-1-1-1-2	Conn. & Rig Ck.@1112'
30	1-2-3-3-2	2-2-2-2-1½	
40	1½-1-2-5-4	1½-1½-2-3-1	
50	1-1-2-1-1	2-1-1-1-1	Conn. @ 1143'
60	3½-2½-2-2½-1	2-1-2-1-2	
70	2-2-4-1-1	2-2-1½-1½-2	Conn. @ 1174'
80	1½-1½-2-1½-1	1-1½-1½-1-2	
90	1-2-2-1-2	1-2-2-1-2	
00	1-1-2-1-2	1-1-1-1-2	

DRILLING TIME
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE

1200-10	1-1-2-1-1	1-1-1-1-1	Conn. @ 1205'
20	1-1-1-2-2	1-1-1-1-1	
30	1-2-1-1-1	2-1-½-1½-1	
40	1-1-1-1-1	1-1-1-1-1	Conn. @ 1237'
50	2-1-½-½-1	1-1-1-1-1	
60	1-1-1-1-1	1½-1½-2-1-2	
70	1-3-5-1-1	1-1-1-1-1	Conn. @ 1269'
80	1-2-1-1-1½	1½-1-1-1-1	
90	2-1-2-1½-1½	1-1-1-1-1	
00	2-2-1-1-1	1-1-1½-1	Conn. @ 1299'
1300-10	1-½-½-1-1	2-½-½-½-1½	
20	2-1-1-1-1½	1½-1-1-1-1	
30	1-1-1-2-1	2-2-1-2-2	
40	1-1-1-2-1	1-1-1-1-1	Conn. @ 1331'
50	1-1-1-1-1	1-1-1-1-1	
60	1-1-3-6-5	1-1-1-2-1	Conn. @ 1359
70	1-1-1-1-1	1-½-½-1-1	
80	1-2-1-2-2	1½-1½-1-2-1½	
90	1½-2-1-2-1	2-1-2-1-2	Conn. @ 1390'
00	1-2-1½-1½-1	1-1-2-1-1½	
1400-10	1½-2-1½-1½-2	1-2-1-2-1½	
20	1½-2-2-1½-1½	1½-1½-1½-1½-2	
30	1½-2-1-1-1½	1½-1-2-1-1½	Conn., Ck. Rig & Jet Pits @ 1421'
40	1½-2-1-2-1½	1½-½-1½-1½-1½	
50	2-1½-1½-2-1½	1½-2-2-2-2	
60	2-2-1-2-½	1½-2-1½-1½-2	Conn. @ 1452'
70	2-1½-1½-2-1	1-1-1-1-1	
80	1-½-½-1-1	½-1-½-1½-1½	
90	1-1-1-1-1	1-1-1-1-1	Conn. @ 1483'
00	1-1-1-1-1	1-¼-¼-½-½	
1500-10	½-½-½-½-½	1-1-1-1-½	
20	½-1-½-½-1	½-½-1-1-1	Conn. @ 1514'
30	1-½-1-1½-1	1-½-½-1-1	
40	1-1½-1-1½-1½-	1½-1½-1½-1-1½	
50	1½-1-1-1-1	1-1-1-1-1	Conn. @ 1546'
60	1-1-1-1-1	1-1-2-1-1	
70	2-1-1-1-1	1-1-1½-1½-1	
80	1-1-1-1½-1	1-1½-1-1-1	Conn. @ 1577'
90	1½-1½-1-½-1	½-1½-1½-1-½	
00	½-½-1-1-1	1-½-½-1-1	
1600-10	1-1-1½-1½-1	1-1½-1-1-1	Conn. @ 1608'
20	1-1½-1½-1-1	2-1-1-1½-1½	
30	1-1-1-1-1	1-1-1-1-1	
40	1-1-1-1-1	1½-1½-1-1-1	Conn. @ 1639'
50	1-1½-1-1½-1	2-2-1-1-2	
60	1-1½-1½-1½-1½	1½-1-2-1½-1-	
70	1-2-1½-1-1	1-½-½-½-1	Conn. @ 1669'
80	1-2-1-1-1	1-1-½-½-1½	
90	1½-1-1-1-1	1-1½-1½-1-1	
00	½-1½-1½-1-1½	1½-2-1-2-1	Conn. @ 1700'

DRILLING TIME
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE

1700-10	1½-1-1-1½-1½	1-1-2-1-1	
20	2-1-1-2-1½	1½-1-1½-1½-1½	
30	1½-2-2-1-2	2-2-1-3-2	
40	2-3-2-2-2	2-2-1-2-2	Conn. & Rig Ck. @ 1732'
50	1-2-3-3-3	3-2-3-2-2	
60	2-2-3-2-2	2-2-3-2-3	
70	2-2-3-2-2	3-2-3-2-3	Conn. @ 1763'
80	2-3-2-2-3	1-1-3-2-2	
90	2-2-2-2-2	2-2-2-2-2	
00	3-2-2-2-2	1-2-1-2-2	Conn. @ 1794'
1800-10	2-1-2-2-1	2-2-1-2-2	
20	3-2-2-2-2	2-1-2-2-2	
30	2-3-4-2-2	1-1-1-2-1	Conn. @ 1825'
40	1-1-1-1-1	2-1-1-1-1	
50	2-1-1-2-1	2-1-2-1-1	
60	2-2-2-1-1	2-1-1-1-1	Conn. @ 1856'
70	2-2-1-2-1	1-2-2-2-1	
80	2-1-2-1-1	2-1-1-1-2	
90	2-2-2-2-3	3-2-2-2-1	Conn. @ 1887'
00	2-1-2-2-2	1-2-1-1-1	
1900-10	1-1-1-1-1	1-2-1-2-1	
20	2-1-1-2-2	2-2-2-2-2	Conn.& Jet pits; Added 10 Sx. Gel & 1/2 Sx Soda @1919'
30	2-3-2-3-3	4-2-1-1-2	
40	1-1-2-2-1	3-2-2-1-2	
50	2-2-1-3-2	3-4-3-1-1	Conn. @ 1950'
60	1-3-3-4-3	3-3-4-3-3	
70	3-3-3-3½-2	2½-1½-1½-3-3	
80	3-3-2-2-2	2-2-1-2-1½	
90	1½-3-4-2-1	1-½-1-1½-2	Conn. & Rig. Ck. @1981'
00	1-½-½-1-1	1-1½-2½-3-2	

2000-10	1½-4½-4-3-4	4-3-3-3-2	
20	3-3½-2-2-2	2-2-3-2-2	Conn. @ 2012'
30	1-2-1-2-1	2-2-1-2-3	
40	4-2-2-3-2	3-4-4-3½-3½	
50	3-3-3-3-3	3-3-3-3-3	Conn. @ 2043'
60	3-2-2-2-3	3-3-4-4-4	
70	4-4-4-4-3	5-5-2-2-4	
80	3-3-4-3-2	3-2-3-3-2	Conn. & Jet Pits @ 2074'
90	3-2-3-3-3	4-3-4-3-3	
00	2-3-3-4-3	3-4-4-4-4	
2100-10	3-4-4-4-4	3-3-3-3-3	Conn. @ 2105'
20	3-3-3-3-2	3-3-3-2½-3	
30	3½-4-3½-4½-5	4-4-4-4-3	
40	4-4-5-4-5	4-3-5-4-2	Conn. @ 2136'
50	3-3-3-2-2	2-2-2-2-2	
60	2-2-3-4-5	4-5-5-5-4	
70	5-3-3-3-2	3-2-3-2-2	Conn. @ 2167, Vis. 27, Wt. 8.9
80	3-2-2-2-2	2½-2½-2-2-3	Instructions: Ck. Mud ever Hr.; Bring Vis. slowly up to 37, Keep Wt.@9.4
90	3-3-3-3-2	3-3-4-3-3	Vis. 28, Wt. 9.1 2183
00	3-3-3-4-3	5-3-3-2-3	Conn. @ 2198, Vis. 29+, Wt. 9.1
2200-10	2-3-3-3-2	3-3-3-3-3	
20	3-4-5-5-5	4-5-5-5-5	
30	5-7-5-4-5	5-5-5-4-4	Conn. @ 2229'
40	5-4-4-4-4	4-3-4-5-5	
50	4-5-5-5-4	5-4-5-4-5	
60	4-5-5-5-5	5-4-5-4-5	Conn. & Rig Ck. @ 2260'
70	4-4-5-4-4	4-5-4-5-5	
80	5-5-5-5-4	4-4-4-4-4	Filled w/Premix@2275'
90	4-5-4-4-4	5-5-4-5-4	
00	5-4-3-5-4	5-4-5-4-3	Conn. & Put Mud in, Vis. 32, Wt. 9.1 @ 2292' Instructions: Mix 6 Dix, 6 Cedar & 1 Hull, Start 5' Samples, wet & dry
2300-10	4-4-4-4-4	4-4-4-4-4	@ 2317'
20	4-4-3-4-5	4-4-5-3-4	Vis. 34, Wt. 9.1/
30	5-5-4-2r-2r	2-5-5-4-4	Conn. @ 2323'
40	3-3-5-6-4	4-3-3-4-4	Instructions: Ck.Mud every hour; go back to 10'dry samples @2350'
50	4-3-5-3-3	4-4-5-5-4	

DRILLING TIME
BRANDT PRODUCTION COMPANY, INC.
#1 CURRIE

2350-60	5-6-5-3½-3	4-3-4-3-4	Conn. & Rig Ck.@2354
70	4-3-5-4-3	5-2-4-4-4	Ck. Mud Pump @2368'
80	5-5-5-5-6	5½-5½-7-5-5	Vis. 38 @ 2373'
90	5-4-5-3½-3½	4-5-7-6-5	Conn & Fill Premix @ 2385' Vis.43, Wt.9.2@2390'
00	7-3-2-6-6	6-6-7-5-3	
2400-10	3-4-5-5-2½	3½-5-4-2½-2½	Vis. 39, Wt.9.2 @ 2407'
20	4-7-4-6-5	7-5-4-3-3	Conn & Vis. 45 @ 2416'
30	3-4-4-4-4	5-4-4-4-3	
40	5-5-5-5-8	7-6-5-6-3	Vis. 40, Wt. 9.3 @ 2435'
50	3-3-5-5-6	6-5-4-3-4	Conn. @ 2447'
60	4-5-5-4-4	4-3-4-3-4	Vis. 42, Wt. 9.2 LCM 10 @ 2453
70	5-4-3-4-4	3-4-3-3-3	
80	4-3-3-3-3	3-4-3-3-3	Vis. 42, Wt. 9.2 LCM 10 @ 2475'; Conn. @ 2479'
90	3-4-4-3-4	4-4-4-4-	
00	5-4-5-5-5	5-5-5-4-3	
2500-10	4-4-5-5-6	6-6-7-7-5	Jet vol. @2502', Vis. 45, Wt. 9.2 & LCM 10# @ 2504', Conn. @ 2509'
20	4-6-6-5-3	4-5-5-6-6	Vis. 45, Wt. 9.2 & LCM 10# @ 2512'
30	5-4-6-6-7	7-5-4-5-3	Vis. 40, Wt. 9.2 & LCM 10# @ 2523'
40	4-5-5-4-5	5-3-5-5-5	Conn. @ 2540'
50	4-4-4-4-4	5-5-4-4-3	Vis. 44, Wt. 9.0 @ 2545'
60	3-4-4-4-4	5-3-4-4-3	Vis. 48, Wt. 9.0 @ 2560'
70	4-3-2-4-3	4-5-4-4-4	LCM #10# @2562'
80	4-5-3-3-3	4-4-3-4-4r	Vis. 43, Wt. 9.2 @ 2576'
90	3-3-4-3-5	4-5-4-3-4	Vis. 42, Wt. 9.2 @ 2590'
00	4-4-3-3-5	4-3-3-2-4	Put Mud in @2590'
2600-10	3-3-3-2-2	2-2-2-1-5	Rough from 2603-8 Vis. 45, Wt. 9.1, LCM 10# @2607'
20	3-2-4-3-3	2-2-4-4-4	
30	4-5-4-4-3	4-4-5-4-3	Vis.47, Wt.9.1 LCM 10# @2626'
40	3-4-5-4-2	2-3-4-4-5	Vis.45, Wt.9.1 @2639'
50	3-4-4-5-5	4-4-5-4-7	Vis. 45, Wt.9.1@2648'

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2650-60	5-4-5-6-3	4-3-4-2-4	
70	5-6-7-7-5	5-5-5-6-4	Conn. @ 2665'
80	5-5-5-5-4	4-5-6-4-3	
90	5-5-5-5-5	4-4-4-5-4	
00	5-4-2-1½-4½	5-4-5-5-5	Conn. @ 2696'
2700-10	5-3-4-6-6	6-5-4-5-6	Vis. 48, Wt.9.2 @ 2703'
20	5-5-4-4-6	5-4-6-5-5	
30	6-5-5-6-6	5-5-4-6-4	Vis. 49, Wt. 9.2 @ 2721; Conn. @ 2727'
40	5-1½-½-2-4	4-5-5-4-4	
50	4-5-5-4-5	6-5-5-5-5	Vis. 48,Wt. 9.2 @2741'
60	5-6-5-5-5	5-5-4-4-5	Vis. 48, Wt.9.2 @2755' Conn & Jet hole in pit @2759'
70	6-6-4-4-4	4-4-6-5-6	
80	5-6-7-6-6	4-6-5-5-6	
90	5-5-5-6-6	6-6-9-7-6	Vis.46, Wt. 9.3, LCM good @ 2781; Conn. @ 2790'
00	5-6½-4½-4-4	2-2-3-3-3	Vis.46, Wt.9.3, LCM good @ 2792' Bit trip @2795 & Checked Mud @2800'
2800-10	3-4-3-5-4	3-3-3-3-4	
20	4-5-4-5-8	8-6-9-6-6	Vis. 42, Wt.9.2 @2815; Conn. & Rig Check @2820'
30	2-2-3-3-2	2-3-2-3-4	
40	4-3-4-2-2	4-4-4-3-4	Vis. 43, Wt. 9.2 @2833'
50	2-4-2-2-2	3-4-4-5-7	
60	5-4-6-5-6	6-4-5-6-2	Conn & Vis.44, Wt.9.2@2852'
70	3-3-7-5-3	4-3-4-3-2	
80	3-3-3-4-3	4-3-3-4-5	Vis. 45, Wt.9.2 @2879'
90	5-6-6-7-7	6-5-6-5-5	Conn.@ 2883' Started 5' Samples Wet & Dry @2885'
00	7-6-5-5-4	5-5-4½-4½-5	
2900-10	5-4-5-5-5	4-5-5-4-5	Vis. 44, Wt. 9.3 @2902'
20	4-5-6-6-5	6-6-3-4-6	5' Samples, wet & dry,@2920'
30	5-4-4-5-3	6-5-5-5-5	
40	5-4-5-5-3	5-4-5-5-5	
50	5-4-6-6-5	5-6-5-6-5	Conn. @ 2941'
60	6-5-6-5-7	7-6-5-6-5	Vis. 43, Wt. 9.3 @2950'
70	6-6-6-6-6	6-6-7-6-7	Fix rod oiler pulley on mud pump, Vis.43, Wt.9.3@2965
80	10-7-7-8-10	9-10-8-9-8	Conn.@2973';Speed-up R.Table @2978, Vis.43, Wt.9.3@2979
90	8-10-8-8-8	8-9-8-7-8	Vis. 43, Wt.9.3 @ 2983'
00	8-7-7-8-9	7-6-7-5-7	Circ. for Samples @ 2996 1 Hr
3000-10	5-5-7-5-8	8-8-9-8-8	Circ. for Samples,wet & dry, @3003, 30", 45", & 60"
20	5-5-6-6-6	7-8-7-9-8	
25	9-9-8-8-11		Circ. for Samples @ 3925' 30 min, 45 min. & 60 min.
3025	Rotary Total Depth - Dry & Abandoned		
(3024	Log Total Depth)		