

Permit #: 20038

Date Issued: 6-12-93

County: Atchison

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged:

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	6-7-93
3i	
4	6-7-93
4i	
5	6-2-93
6	
7	
8	
11	
12	
Misc. Form 2	

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

Additional Submitted Data:  
Formation Test Report

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 James K. Anderson, Inc. DATE 11/4/96
14677 Midway Rd., Suite 115 Dallas, Texas 75244
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Ball Well number 2 Elevation (ground) 888

WELL LOCATION (give footage from section lines)
2157 ft. from (N) sec. line 1820 ft. from (E) sec. line

WELL LOCATION Section 15 Township 63 N Range 40 W County Atchison

Nearest distance from proposed location to property or lease line: 500 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 1320 feet

Proposed depth 2807 Drilling contractor, name & address N/A Rotary or Cable Tools N/A Approx. date work will start

Number of acres in lease 120
Number of wells on lease, including this well, completed in or drilling to this reservoir: 2
Number of abandoned wells on lease: 0

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

Status of Bond Single Well  Amt. 4,000 Blanket Bond  Amt. 40,000
XX 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.
Clean out to old TD; acidize, clean up and produce the previously productive Viola.
RECEIVED 1996

Table with 2 main columns: Proposed casing program and Approved casing. Each column has sub-columns for amt., size, wt./ft., and cem. with handwritten entries.

I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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.
Signature Robert Kelley

Permit Number: 20038
Approval Date: 11/15/96
Approved By: James K. Anderson
Drillers log required [checked]
E-logs required if run [checked]
Core analysis required if run [checked]
Drill stem test info. required if run [checked]
Samples required [ ]
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
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.

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 James K. Anderson, Inc. DATE 11/4/96
14677 Midway Rd., Suite 115 Dallas, Texas 75244
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Ball Well number 2 Elevation (ground) 888

WELL LOCATION (give footage from section lines)
2157 ft. from (N) (S) sec. line 1820 ft. from (E) (W) sec. line

WELL LOCATION Section 15 Township 63 N Range 40 W County Atchison

Nearest distance from proposed location to property or lease line: 500 feet
Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 1320 feet

Proposed depth 2807 Drilling contractor, name & address N/A Rotary or Cable Tools N/A Approx. date work will start

Number of acres in lease 120 Number of wells on lease, including this well, completed in or drilling to this reservoir: 2
Number of abandoned wells on lease: -0-

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

Status of Bond Single Well  Amt. 4,000 Blanket Bond  Amt. 40,000
XX 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.
Clean out to old TD; acidize, clean up and produce the previous productive Viola.
RECEIVED NOV 12 1996

Table with 2 main columns: Proposed casing program and Approved casing -- To be filled in by State Geologist. Each column has sub-columns for amt., size, wt./ft., and cem.

I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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.
Signature Robert Kelley

Permit Number: 20038
Approval Date: 11/15/96
Approved By: James Holly Williams
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
Checkboxes: Drillers log required, Drill stem test info. required if run, E-logs required if run, Core analysis required if run, 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.

**RECEIVED**  
**JUN 07 1993**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

APPLICATION TO DRILL  DEEPEN  PLUG BACK

for an oil well  or gas well

**MO Oil & Gas Council**

NAME OF COMPANY OR OPERATOR James K. Anderson, Inc. DATE June 3, 1993

13760 Noel Rd., Suite 325 Dallas, Texas 75240

Address

City

State

**DESCRIPTION OF WELL AND LEASE**

Name of lease <u>Ball</u>	Well number <u>2</u>	Elevation (ground) <u>888</u>
------------------------------	-------------------------	----------------------------------

WELL LOCATION (give footage from section lines)  
2157 ft. from (N) (S) sec. line 1820 ft. from (E) (W) sec. line

WELL LOCATION Section 15 Township 63 N Range 40 W County Atchison

Nearest distance from proposed location to property or lease line: 500 feet  
 Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 1320 feet

Proposed depth <u>2200</u>	Drilling contractor, name & address <u>N/A</u>	Rotary or Cable Tools <u>N/A</u>	Approx. date work will start <u>May 20, 1993</u>
-------------------------------	---------------------------------------------------	-------------------------------------	-----------------------------------------------------

Number of acres in lease <u>120</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>1</u>
	Number of abandoned wells on lease: <u>-0-</u>

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

Status of Bond  
 Single Well  Amt. 4,000 Blanket Bond  Amt.       
 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.  
Applying to plug back. Set CIBP w/ cement over the Viola. Perforate and test the Hunton Lime 2180'-94'

Proposed casing program:				Approved casing -- To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>342'</u>	<u>8 5/8</u>	<u>24</u>	<u>175 sks</u>	<u>342'</u>	<u>8 5/8</u>	<u>24</u>	<u>175 sks</u>
<u>2803'</u>	<u>4 1/2</u>	<u>10.5</u>	<u>250 sks</u>	<u>2803'</u>	<u>4 1/2</u>	<u>10.5</u>	<u>250 sks</u>

I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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.  
 Signature Robert Kelley 6/3/93

Permit Number: #20038  
 Approval Date: 6/17/93  
 Approved By: James K. Anderson  
 Drillers log required  Drill stem test info. required if run  
 E-logs required if run  Samples required  
 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  
 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.

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 JAMES K. ANDERSON, Inc. DATE 2/8/88  
13760 NDAL Rd. #325 DAVAS TEXAS 75240  
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Ball</u>	Well number <u>2</u>	Elevation (ground) <u>888.0</u>
WELL LOCATION (give footage from section lines) <u>2157</u> ft. from (N) (S) sec. line <u>1820</u> ft. from (E) (W) sec. line		
WELL LOCATION Section <u>15</u> Township <u>63N</u> Range <u>R40W</u>	County <u>Atchison</u>	
Nearest distance from proposed location to property or lease line: <u>500</u> feet	Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>1320</u> feet	
Proposed depth <u>3400</u>	Drilling contractor, name & address <u>Rainey &amp; Williamson Oil Co.</u> <u>435 Paige St. Wichita, Kan</u>	Rotary or Cable Tools <u>Rotary</u>
Approx. date work will start <u>3-1-88</u>		
Number of acres in lease <u>120 AC.</u>	<u>67202</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>2</u>
Number of abandoned wells on lease: <u>-0-</u>		
If lease, purchased with one or more wells drilled, from whom purchased: Name <u>N/A</u> Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____
Status of Bond Single Well <input checked="" type="checkbox"/> Amt. <u>\$4000.00</u> Blanket Bond <input type="checkbox"/> Amt. _____		

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>325'</u>	<u>8 5/8</u>	<u>23.0</u>	<u>175SX</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>3400'</u>	<u>4 1/2</u>	<u>10.5</u>	<u>200SX</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

I, the undersigned, state that I am the Geologist of the James K. Anderson, 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.  
Signature M. A. C. Rainey

Permit Number: 20038

Approval Date: 3/17/88 *initially perm. filed earlier*

Approved By: James Hubby Williams *BW*

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

Drillers log required  
 Drills required if run  
 Core analysis required if run

Drill stem test info. required if run  
 Samples required  
 Samples not required

RECEIVED FEB 16 1988

MO Oil & Gas Council  
Economic Geology

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.

4-27-83

Missouri Oil and Gas Council  
WELL LOCATION PLAT

Form OGC-4

Owner: James K. Anderson, Inc. 13760 Noel Rd., Suite 325 Dallas, Texas 75240

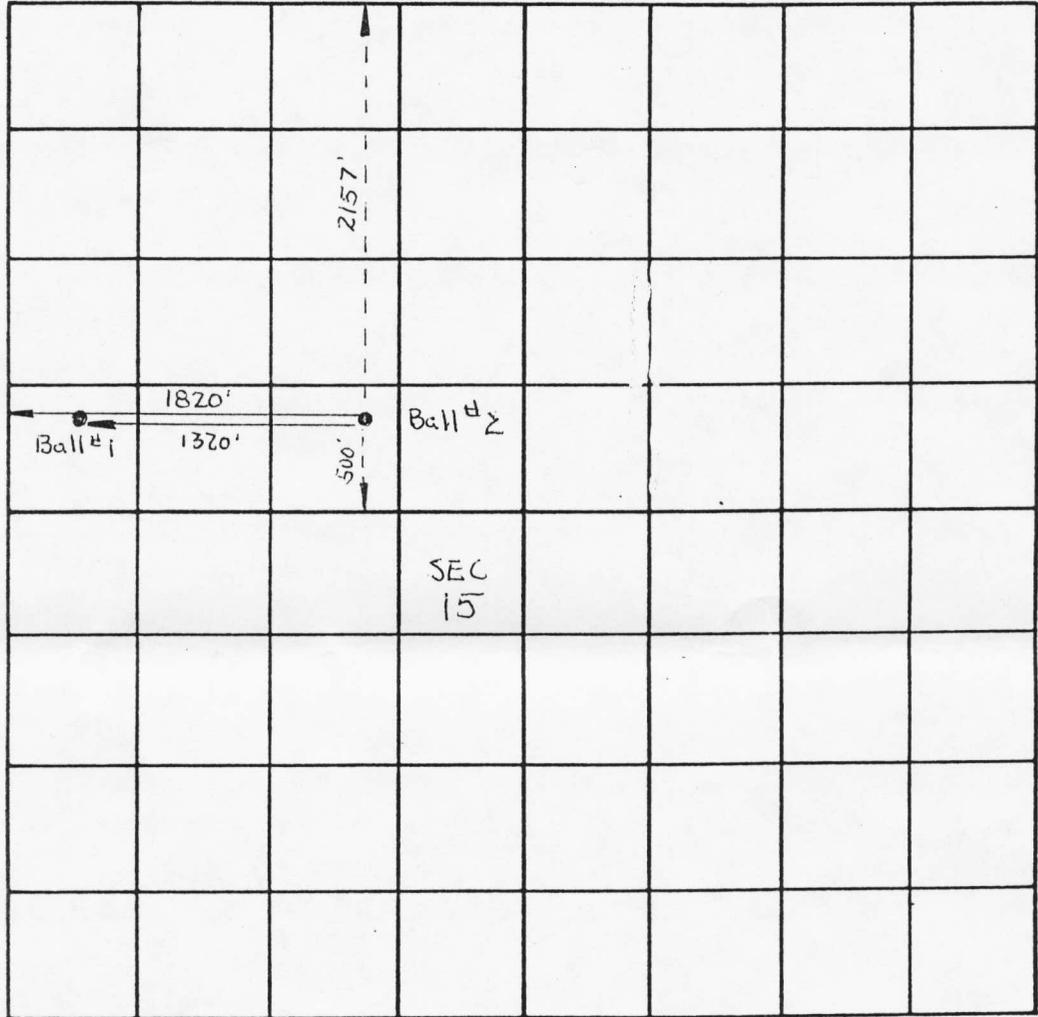
Lease Name: Ball Well No.2

County: Atchison

2157 feet from N. section line and 1829 feet from W section line of Sec. 15, Twp. 63 N., Range 40  
(N)-(S) (E)-(W)



SCALE  
1" =



REMARKS: All elevations are in reference to USGS Vertical datum. GR elevation is 888.  
Certified plat received February 16, 1988 by MO-OGC

*Robert Talley*

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.

RECEIVED

NOV 12 1996

(SEAL)

MO Oil & Gas Council

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

One will be returned.

Registered Land Surveyor

Number

4-27-83

Missouri Oil and Gas Council  
WELL LOCATION PLAT

Form OGC-4

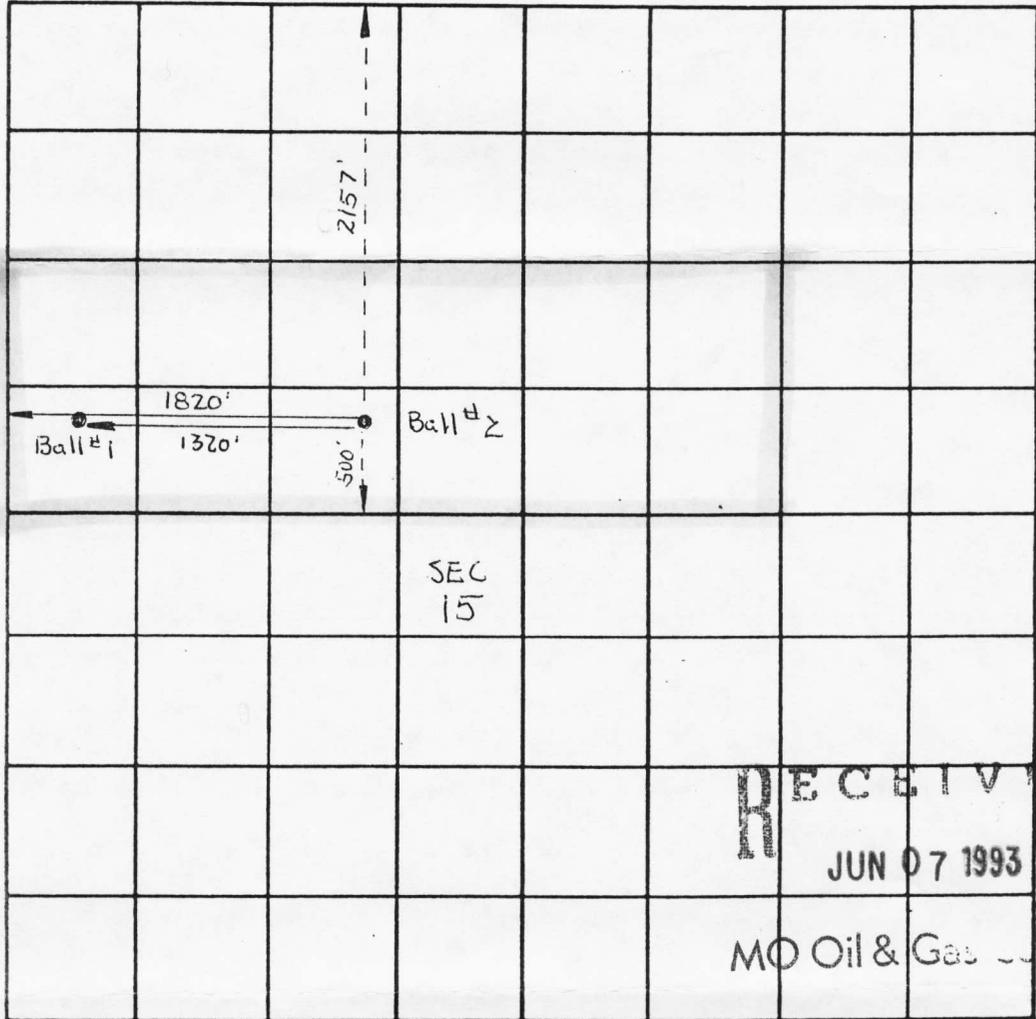
Owner: James K. Anderson, Inc. 13760 Noel Rd., Suite 325 Dallas, Texas 75240

Lease Name: Ball Well No.2 County: Atchison

2157 feet from N. section line and 1829 feet from W section line of Sec. 15, Twp. 63 N., Range 40  
(N)-(S) (E)-(W)



SCALE  
1" =



REMARKS: All elevations are in reference to USGS Vertical datum. GR elevation is 888.  
Certified plat received February 16, 1988 by MO-OGC

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.

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(SEAL)

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

One will be returned.

\_\_\_\_\_  
Registered Land Surveyor Number

4-27-83

Missouri Oil and Gas Council  
WELL LOCATION PLAT

Form OGC-4

Owner: James K. Anderson, Inc. Stone Tower, Suite 325 Dallas Texas 75240

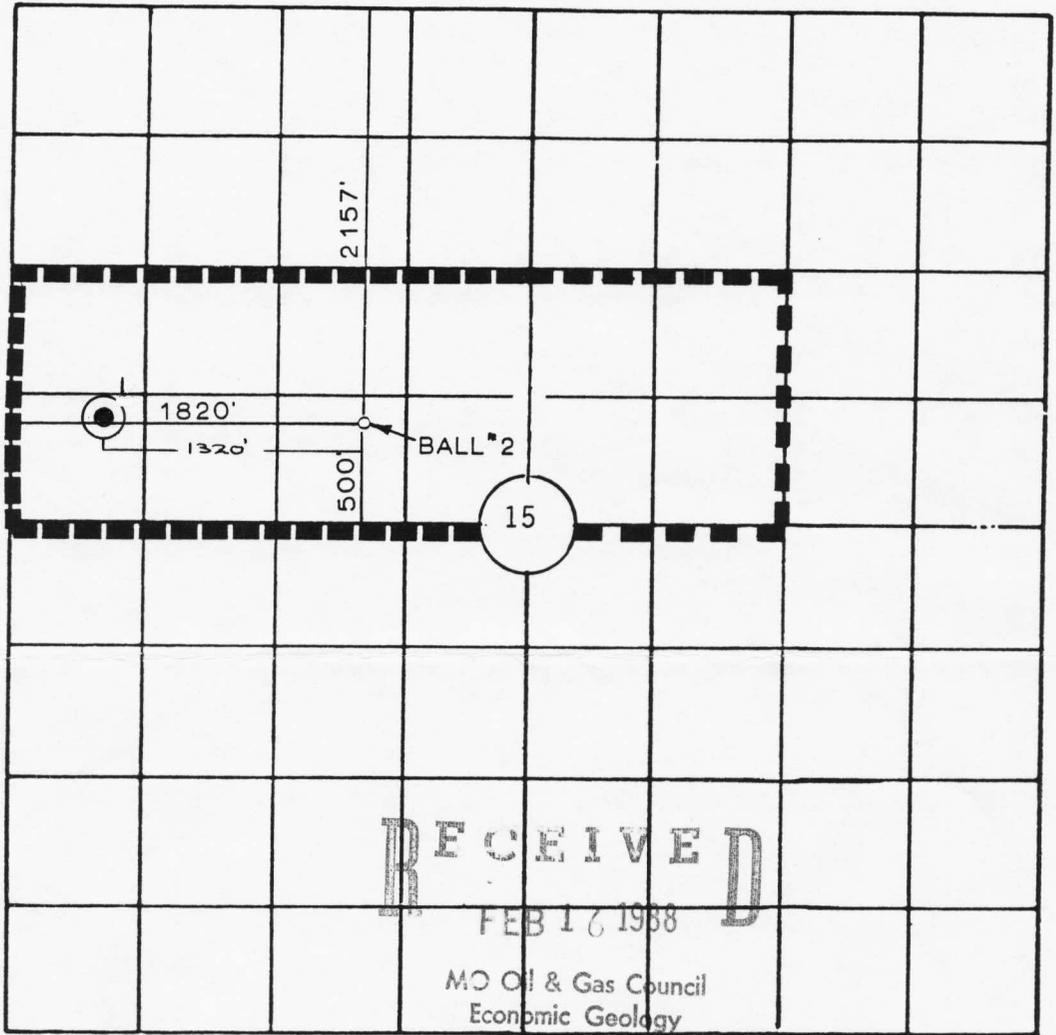
Lease Name: Ball #2 County: Atchison

2157 feet from N section line and 1820 feet from W section line of Sec. 15; Twp. 63 N., Range 40  
(N)-(S) (E)-(W)



SCALE  
1" = 1000'

LEASE LINE



RECEIVED  
FEB 16 1988

MO Oil & Gas Council  
Economic Geology

REMARKS: All elevations are in reference to USGS Vertical datum  
Ground elevation at proposed well is 888.0

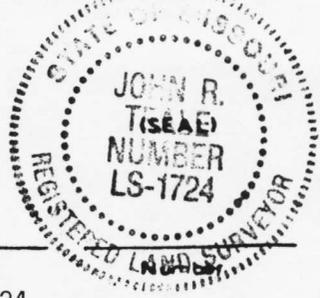
INSTRUCTIONS

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, Rolle, MO 65401  
One will be returned.

Registered Land Surveyor  
John Teale L.S. 1724



4-27-83

Missouri Oil and Gas Council  
WELL LOCATION PLAT

Form OGC-4

Owner: James K. Anderson, Inc. 13760 Noel Rd., Suite 325 Dallas, Texas 75240

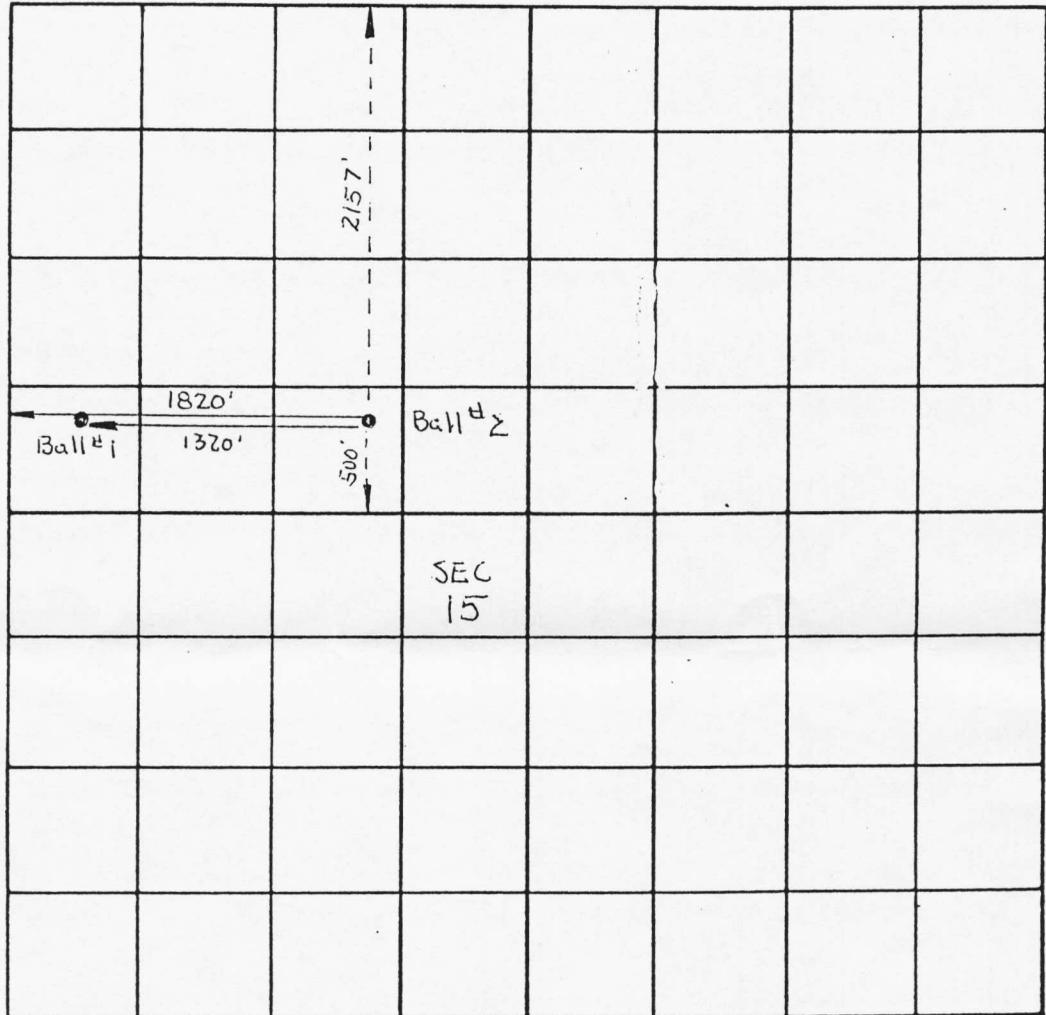
Lease Name: Ball Well No.2

County: Atchison

2157 feet from N. section line and 1829 feet from W section line of Sec. 15, Twp. 63 N., Range 40  
(N)-(S) (E)-(W)



SCALE  
1" =



REMARKS: All elevations are in reference to USGS Vertical datum. GR elevation is 888.  
Certified plat received February 16, 1988 by MO-OGC

*Robert Kelley*

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.

NOV 12 1996

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.

Registered Land Surveyor

Number

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well  Workover  Deepen  Plug Back  Injection  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner James K. Anderson, Inc.		Address 14677 Midway Rd., Suite 115 Dallas, Tx. 75244			
Lease Name Ball		Well Number 2			
Location 2157 FNL & 1820' FWL			Sec., Twp., and Range or Block and Survey Sec 15 TWP 63N R 40W		
County Atchison	Permit number (OGC 3 or OGC 3I) Pending <b>20038</b>				
Date spudded 10/1/96	Date total depth reached 10/3/96	Date completed, ready to produce or inject 10/5/96	Elevation (DF, RKR, RT, or Gr.) feet 888 GR	Elevation of casing hd. flange feet 889	
Total depth 2807	P. B. T. D. 2807				
Producing or injection interval(s) for this completion Viola Dolomite 2803-07			Rotary tools used (interval) From <u>N/A</u> to _____ Drilling Fluid used _____		Cable tools used (interval) From <u>N/A</u> to _____
Was this well directionally drilled? No	Was directional survey made? N/A	Was copy of directional survey filed? N/A	Date filed		
Type of electrical or other logs run (list logs filed with the State Geologist) None - Original on file				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
Fresh Water	?	8 5/8"	24	342	175	-0-
Production	7 7/8"	4 1/2"	10.5	2803	250	-0-

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 3/8 in.	2795 ft.	2795 ft.	R-4 4 1/2 in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
Open Hole		2803-07	500 gals 15% NEFE	2803-07

INITIAL PRODUCTION

Date of first production or injection 10/6/96		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump) Pumping 9.5 SPM x 48" x 1 1/2 RWBC				
Date of test 10/13/96	Hrs. tested 24	Choke size NA	Oil produced during test 31.7 bbls.	Gas produced during test -0- MCF	Water produced during test 13 bbls.	Oil gravity 32 API (Corr.)
Tubing pressure 30	Casing pressure Packer	Cal'd rate of Production per 24 hours	Oil 31.7 bbls.	Gas -0- MCF	Water 13 bbls.	Gas -- oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

None Produced

Method of disposal of mud pit contents:

N/A

CERTIFICATE: I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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.

*Robert Killory*  
Signature

NOV 12 1996

DETAIL OF FORMATIONS PENETRATED			
Formation	Top	Bottom	Description (See * below)
T/Lansing	577'		<p><b>CONFIDENTIAL</b></p> <p>Top Huron - Brown sugary dolomite, some vuggy porosity. Good odor and PK, visible free oil.</p> <p>DST No. 1 2185' - 2200'                      REC. 2100' FREE OIL                      IHP 1057      FFP 719-818/30"                      JFP 405-559/15"      PSIP 878/60"                      ISIP 858/30"      FHP 1047</p> <p>TOP UIDA - off white to light brown vuggy dolomite                      Good odor, PK with visible free oil.</p> <p>DST No. 2 2801' - 07'                      REC. 580' FREE OIL                      IHP 1345      FFP 132-204/30"                      JFP 20-81/15"      PSIP 1057/60"                      ISIP 1057/30"      FHP 1335</p>
B/MISS		1936'	
T/Huron	2175'		
T/UIDA	2798'		

\*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. Submit analysis of injection interval formation waters.

## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well  Workover  Deepen  Plug Back  Injection  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner James K. Anderson, Inc.		Address 13760 Noel Rd., Suite 325 Dallas, Tx. 75240			
Lease Name Ball		Well Number 2			
Location 2157' FNL & 1820' FWL			Sec., Twp., and Range or Block and Survey Sec 15 TWP 63N R 40W		
County Atchison		Permit number (OGC 3 or OGC 3I) Pending			
Date spudded May 20, 1993		Date total depth reached N/A	Date completed, ready to produce or inject May 15	Elevation (DF, RKR, RT, or Gr.) feet 888 GR	Elevation of casing hd. flange feet 889
Total depth 2807		P. B. T. D. 2202			
Producing or injection interval(s) for this completion Hunton Lime 2180-94 KB			Rotary tools used (interval) From _____ to NA Drilling Fluid used _____		Cable tools used (interval) From _____ to NA
Was this well directionally drilled? No		Was directional survey made? NA	Was copy of directional survey filed? NA		Date filed
Type of electrical or other logs run (list logs filed with the State Geologist) None - original on file					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
Fresh Water	?	8 5/8	24	342	175	0
Production String	7 7/8	4 1/2	10.5	2803	250	0

## TUBING RECORD

## LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 3/8 in.	860 ft.	N/A ft.	in.	ft.	ft.		

## PERFORATION RECORD

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
2	3 1/8 JSPF	2180-94	Block Squeeze 100 sks 'A'	2202-2261
			CIBP @ 2770' and CIBP @ 2390'	

## INITIAL PRODUCTION

Date of first production or injection May 20, 1993		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump) Pumping Oversize 2 1/2 x 2 3/4 x 10'				
Date of test June	Hrs. tested 24	Choke size N/A	Oil produced during test 28 bbls.	Gas produced during test TSTM MCF	Water produced during test 475 bbls.	Oil gravity 26 API (Corr.)
Tubing pressure 50	Casing pressure 50	Cal'd rate of Production per 24 hours	Oil 28.0 bbls.	Gas TSTM MCF	Water 475 bbls.	Gas -- oil ratio 0

Disposition of gas (state whether vented, used for fuel or sold):

Vented

Method of disposal of mud pit contents:

N/A

CERTIFICATE: I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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.

*Robert Kelley*  
Signature  
June 3, 1993

RECEIVED

JUN 07 1993

MO Oil & Gas Council

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well  Workover  Deepen  Plug Back  Injection  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner: James K. Anderson, Inc. Address: 14677 Midway Rd., Suite 115 Dallas, Tx. 75244

Lease Name: Ball Well Number: 2

Location: 2157 FNL & 1820' FWL Sec. Twp., and Range or Block and Survey: Sec 15 TWP 63N R 40W

County: Atchison Permit number (OGC 3 or OGC 3I): Pending (20038)

Date spudded: 10/1/96 Date total depth reached: 10/3/96 Date completed, ready to produce or inject: 10/5/96 Elevation (DF, RKR, RT, or Gr.) feet: 888 GR Elevation of casing hd. flange feet: 889

Total depth: 2807 P. B. T. D.: 2807

Producing or injection interval(s) for this completion: Viola Dolomite 2803-07 Rotary tools used (interval): From N/A to Cable tools used (interval): From N/A to

Was this well directionally drilled? No Was directional survey made? N/A Was copy of directional survey filed? N/A Date filed:

Type of electrical or other logs run (list logs filed with the State Geologist): None - Original on file 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
Fresh Water	?	8 5/8"	24	342	175	-0-
Production	7 7/8"	4 1/2"	10.5	2803	250	-0-

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 3/8 in.	2795 ft.	2795 ft.	R-4 4 1/2 in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
Open Hole		2803-07	500 gals 15% NEFE	2803-07

INITIAL PRODUCTION

Date of first production or injection: 10/6/96 Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump): Pumping 9.5 SPM x 48" x 1 1/2 RWBC

Date of test: 10/13/96 Hrs. tested: 24 Choke size: NA Oil produced during test: 31.7 bbls. Gas produced during test: -0- MCF Water produced during test: 13 bbls. Oil gravity: 32 API (Corr.)

Tubing pressure: 30 Casing pressure: Packer Cal'ed rate of Production per 24 hours: Oil: 31.7 bbls. Gas: -0- MCF Water: 13 bbls. Gas -- oil ratio:

Disposition of gas (state whether vented, used for fuel or sold): None Produced

Method of disposal of mud pit contents: N/A

CERTIFICATE: I, the undersigned, state that I am the Production Engineer of the James K. Anderson, 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  
NOV 12 1996

Robert Kelley  
Signature

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

**CONFIDENTIAL**

New Well  Workover  Deepen  Plug Back  Injection  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Owner: **JAMES K. ANDERSON, INC.** Address: **13760 NOEL Rd. # 325 Dallas TX 75240**

Lease Name: **BALL** Well Number: **2**

Location: **2 MILES NE of Corning 2157 FNL of SEC. 1820 FWL of SEC.** Sec., Twp., and Range or Block and Survey: **SEC. 15 T63N R40W**

County: **Atchison** Permit number (OGC-3 or OGC-3I): **20038**

Date spudded: **2-23-88** Date total depth reached: **2-29-88** Date completed, ready to produce or inject: **GR. 888' KB 896'** Elevation (DF, RKR, RT, or Gr.) feet: **Ground LEVEL**

Total depth: **2807** P. B. T. D.: **2807**

Producing or injection interval(s) for this completion: **open hole** Rotary tools used (interval): **From SURFACE to 2807'** Cable tools used (interval): **From N/A to**

Was this well directionally drilled? **No** Was directional survey made? **YES** Was copy of directional survey filed? **No** Date filed: **3/28/88**

Type of electrical or other logs run (list logs filed with the State Geologist): **Dual Induction, Dual Compensated Porosity & Microlog** Date filed: **3/28/88**

**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	12 1/4	8 5/8	24#	351	300	
Production	7 7/8	4 1/2	10.5#	2805	250	

**TUBING RECORD**

**LINER RECORD**

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 3/8 in.	2788 ft.	None ft.					

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval

**INITIAL PRODUCTION**

Date of first production or injection: **3/25/88** Producing method (indicate if flowing, gas lift, or pumping - if pumping, show size and type of pump): **Pumping 1 1/2" x 12' RST Pump Unit**

Date of test: **3/26/88** Hrs. tested: **24** Choke size: **2"** Oil produced during test: **58** bbls. Gas produced during test: **None** MCF Water produced during test: **None** bbls. Oil gravity: **32** API (Corr.)

Tubing pressure: **10** Casing pressure: **None** Cal'd rate of Production per 24 hours: **58** Oil: **58** bbls. Gas: **None** MCF Water: **None** bbls. Gas - oil ratio: **-0-**

Disposition of gas (state whether vented, used for fuel or sold): **N/A - vented if any**

Method of disposal of mud pit contents: **Fresh water mud, will let dry out and then cover up.**

CERTIFICATE: I, the undersigned, state that I am the **Geologist** of the **JAMES K. ANDERSON, 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**  
MAR 31 1988

*Malcolm*  
Signature

MO Oil & Gas Council  
Economic Geology

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description (See * below)
T/Lawsing	577'		
B/MISS		1936'	
T/Hurtow	2175'		<p>Top Hurtow - Brown sugary dolomite, some vuggy porosity. Good odor and PK, visible free oil.</p>
T/Uida	2798'		<p>DST No. 1 2185' - 2200'            REC. 2100' FREE OIL            IHP 1057      FFP 719-818/30"            IFP 405-559/15"      PSIP 878/60"            ISIP 858/30"      FHP 1047</p> <p>TOP UIDA - off white to light brown vuggy dolomite            Good odor, PK with visible free oil.</p> <p>DST No. 2 2801' - 07'            REC. 580' FREE OIL            IHP 1345      FFP 132-204/30"            IFP 20-81/15"      PSIP 1057/60"            ISIP 1057/30"      FHP 1335</p>

\*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. Submit analysis of injection interval formation waters.

Temporary No. \_\_\_\_\_

5-19-89

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES, ROLLA, MISSOURI

COUNTY Atchison  
 COMPANY OR OWNER James K. Anderson, Inc.  
 FARM Ball WELL NO. 2  
 LOCATION 2157' FNL 1829'FWL SEC 15 T 63N R 40 W  
 CONTRACTOR/DRILLER Rains and Williamson Oil Company  
 COMMENCED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 PRODUCTION \_\_\_\_\_  
 CASING RECORD \_\_\_\_\_  
 WATER RECORD \_\_\_\_\_  
 SOURCE OF LOG \_\_\_\_\_  
 REMARKS OGC #20038

MGS LOG NO. \_\_\_\_\_

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

NO. SAMPLES \_\_\_\_\_ SAMPLES RECEIVED \_\_\_\_\_

ELEV. 888'  
 TOTAL DEPTH 2807'  
 SWL \_\_\_\_\_

FORMATION	FROM (ft)	TO (to)	FORMATION	FROM (ft)	TO (to)
T/Lansing	577				
B/Miss		1936			
T/Hunton	2175				
T/Viola	2798				
		2807 TD			
Top Hunton - Brown sugary ddomite, some vuggular porosity. Good odor and Px, visible free oil.			Top Viola - off white to light brown vuggular ddomite. Good odor, px with visible free oil.		
DST NO.1 2185' - 2200'			DST No. 2 2801'-07'		
REG. 2100' Free oil			REC. 580' free oil		
IHP 1057 FFP 719-818/30"			IHP 1345 FFp 132-204/30"		
IFP 405-559/15" FSIP 878/60"			IFP 20-81/15" FSIP 1057/60"		
ISIP 858/30" FHP 1047			ISIP 1057/30" FHP 1335		