

Permit #: 20028

Date Issued: 4-24-87

County: Atchison

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged:

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	4-20-87
3i	
4	4-20-87
4i	
5	6-19-87
6	
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	logs	MS	10-87
Samples	chip core		
Analyses	water	9707	3-88
	core		

Additional Submitted Data:  
Formation Test Report

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL [X] DEEPEN [ ] PLUG BACK [ ]
for an oil well [X] or gas well [ ]

NAME OF COMPANY OR OPERATOR JAMES K. ANDERSON, INC. DATE 4/9/87
13760 NOBEL Rd Suite 325 Dallas TEXAS 75240
Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease BALL Well number 1 Elevation (ground) x 880'

WELL LOCATION (give footage from section lines)
2140 ft. from (N) (S) sec. line 500 ft from (E) (W) sec. line

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

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: NONE feet

Proposed depth 3400 Drilling contractor, name & address RAINE & WILLIAMSON OIL CO., INC. 435 PAGE COURT BLDG. WICHITA, KANSAS 67202 Rotary or Cable Tools Rotary Approx. date work will start LATE APRIL - EARLY MAY

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

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

Status of Bond Single Well [X] Amt. \$4000.00 Blanket Bond [ ] Amt. [ ]
[ ] ON FILE [X] 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.
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Table with 4 columns: Proposed casing program (amt., size, wt./ft., cem.) and Approved casing (amt., size, cem.). Includes handwritten values like 400', 8 7/8, 23.0, 175 SX, 3400', 4 1/2, 10.5, 200 SX.

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.R.C. [Signature]

Permit Number: 20028 Approval Date: 4-24-87
Approved By: [Signature]
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 [X] Drill stem test info. required if run
[ ] E-logs required if run [X] Samples required
[ ] Core analysis required if run [ ] 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.

Owner: JAMES K. ANDERSON, INC.

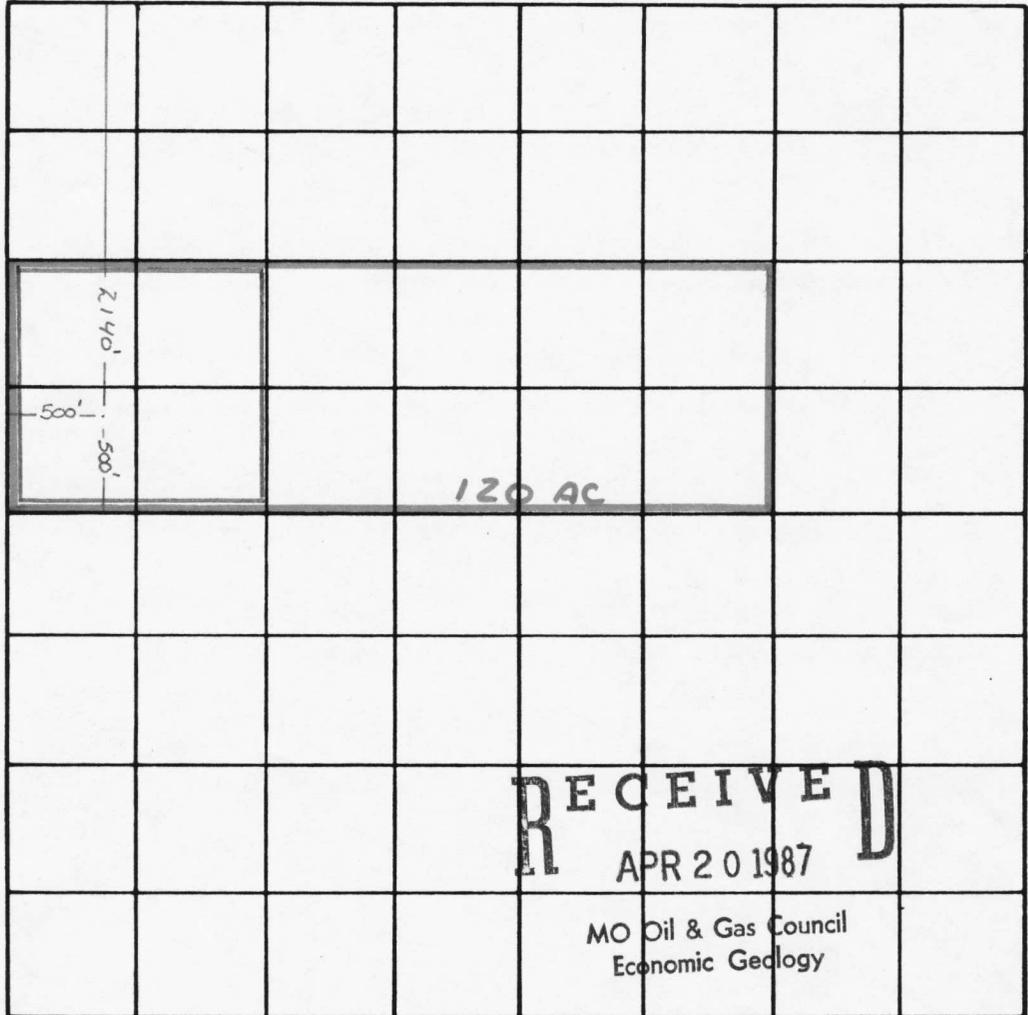
Lease Name: BALL No. 1 County: Atchinson

2140 feet from North section line and 500 feet from WEST section line of Sec. 15, Twp. 63N., Range 40W  
(N)-(S) (E)-(W)



SCALE  
1" =

120 AC LEASE  
1/2 of NW/4  
and SW/4 of NE/4  
of SEC 15

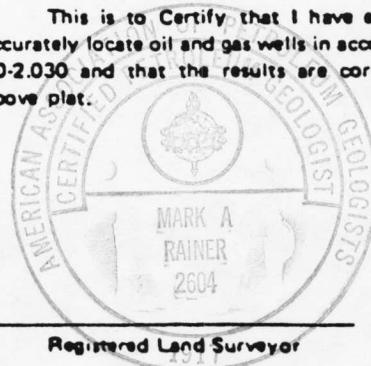


REMARKS: 120 AC. LEASE 1/2 of NW/4 & SW/4 of NE/4 SEC. 15

**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.



(SEAL)

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

One will be returned.

Registered Land Surveyor

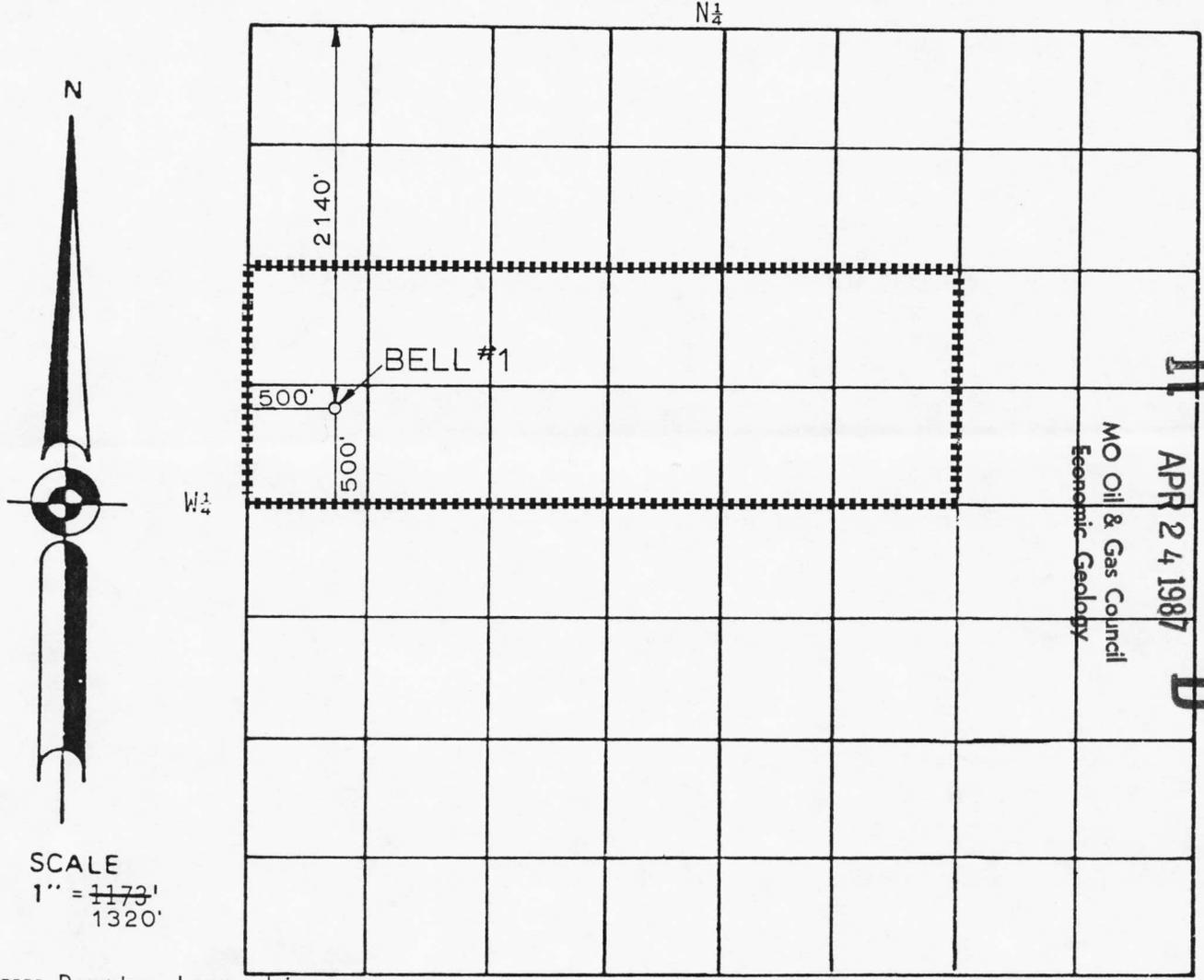
Number

WELL LOCATION PLAT

Owner: James K. Anderson, Inc. Stone Tower, Suite 325, 13760 Noel Rd., Dallas, TX 75240

Lease Name: Bell #1 County: Atchison

2140 feet from N section line and 500 feet from W section line of Sec. 15, Twp. 63 N., Range 40



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 APR 24 1987  
 MO Oil & Gas Council  
 Economic Geology

SCALE  
 1" = 1173'  
 1320'

----- Denotes Lease Line

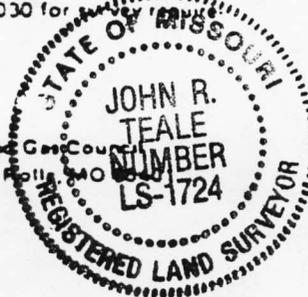
REMARKS: All elevations are in reference to U.S.G.S. vertical datum.  
Ground elevation proposed well = 880.0'

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 details. 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.

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 P.O. Box 250, Rolla, MO 65401  
 One will be returned.



*John R. Teale*

Registered Land Surveyor  
 John Teale

(SEAL)

1724  
 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 13760 Noel Rd., Suite 325, Dallas, Texas 75240			
Lease Name Ball		Well Number 1			
Location 2140' FNL, 500' FWL of Sec. 2 Miles NE of Corning			Sec., Twp., and Range or Block and Survey Sec. 15, T63N, R40W		
County Atchison		Permit number (OGC 3 or OGC 3I) 20028			
Date spudded 5-16-87	Date total depth reached 5-21-87	Date completed, ready to produce or inject 6-16-87	Elevation (DF, RKR, RT, or Gr.) feet Gr. 880', Kb885'	Elevation of casing hd. flange feet Ground Level	
Total depth 2790'	P. B. T. D. 2790'				
Producing or injection interval(s) for this completion Open Hole			Rotary tools used (interval) From <u>Surface</u> to <u>2790'</u> Drilling Fluid used <u>Fresh Mud</u>		Cable tools used (interval) From _____ to <u>N/A</u>
Was this well directionally drilled? No	Was directional survey made? Yes	Was copy of directional survey filed? No	Date filed		
Type of electrical or other logs run (list logs filed with the State Geologist) Dual Induction, Dual Compensated Porosity, Microresistivity				Date filed 6-19-87	

## 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	328'	250	
Production	7 7/8	4 1/2	10.5	2785'	125	

## TUBING RECORD

## LINER RECORD N/A

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 3/8 in.	2785 ft.	None ft.	---	---	---		

## PERFORATION RECORD N/A

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD N/A

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

## INITIAL PRODUCTION

Date of first production or injection 6-16-87		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump) Pumping 1 1/2" X 12' TBBHD Rag Pump					
Date of test 6-16-87	Hrs. tested 24	Choke size 2"	Oil produced during test 110 bbls.	Gas produced during test None MCF	Water produced during test Trace bbls.	Oil gravity 32 API (Corr.)	
Tubing pressure 50	Casing pressure -0-	Cal'd rate of Production per 24 hours 110	Oil 110 bbls.	Gas None MCF	Water Trace bbls.	Gas - oil ratio -----	

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

N/A -- vented

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.

Mark A. Rain  
Signature

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description (See * below)
Top Lansing	576'		
Base Kansas City		896'	
Base Mississippian		1928'	
Top Hunton	2181'		
Base Hunton		2750'	
Top Viola	2780'		Dolomite, Off white to light brown, good vuggy porosity, good cut, good odor, gold Px with visible free oil.

\*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.





JOHN ASHCROFT

Governor

FREDERICK A. BRUNNER

Director

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

STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGY & LAND SURVEY

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

REPORT OF CHEMICAL ANALYSIS OF WATER SAMPLE

COUNTY:..... Atchinson  
OWNER:..... J. K. Anderson - Ball Lease ANALYSIS NUMBER:9707  
LOCATION:..... SEC 15-T63N-R40W ANALYST:.....G. M. Lovell  
COLLECTOR:..... DATE RECEIVED:..03/14/88  
DATE COLLECTED:..... DATE ANALYZED:..03/14/88  
  
ADDRESS:..... TOTAL DEPTH:....  
CASING DEPTH:..

NOTES:.....

CONSTITUENTS

PARTS PER MILLION (PPM)

ALKALINITY (CaCO<sub>3</sub>).....  
    PHENOLPHTHALEIN.....  
    METHYL ORANGE.....  
CARBONATE (CO<sub>3</sub>).....  
BICARBONATE (HCO<sub>3</sub>).....  
pH.....  
NITRATE-NITROGEN (NO<sub>3</sub>-N).....  
CALCIUM (Ca).....  
MAGNESIUM (Mg).....  
SODIUM (Na).....  
POTASSIUM (K).....  
IRON (Fe).....  
MANGANESE (Mn).....  
CHLORIDE (Cl).....  
SULFATE (SO<sub>4</sub>).....  
TOTAL DISSOLVED SOLIDS (TDS)..... 7146  
TOTAL HARDNESS.....  
    CARBONATE HARDNESS.....  
    NON-CARBONATE HARDNESS.....