

Permit #: 20002
 County: Clinton
 CONFIDENTIAL UNTIL: _____

Date Issued: 10-13-81
 Date Cancelled: _____
 Date Plugged: Jan 82

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	10-9-81
3i	
4	10-9-81
4i	
5	
6	
7	6-18-87
8	
11	
12	
Misc. Form 2	

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

Additional Submitted Data:

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Sandstone Resources, Inc. DATE 10/7/81
Frederick Ave. at 24th St. St. Joseph Missouri

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Kenneth K. and Velma Burden</u>	Well number <u>2-1</u>	Elevation (ground) <u>993.5</u>
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WELL LOCATION (give footage from section lines)
792 ft. from (N)(S) sec. line 662 ft. from (E) (W) sec. line

WELL LOCATION Section <u>2</u> Township <u>55</u> Range <u>31</u>	County <u>Clinton</u>
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Nearest distance from proposed location to property or lease line: <u>237'</u> feet	Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: <u>n/a</u> feet
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Proposed depth: <u>850'</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>Nov. 1, 1981</u>
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Number of acres in lease <u>153 acres</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>
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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:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>850'</u>	<u>4 1/2</u>	<u>9.5#/ft.</u>	<u>surface</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

I, the undersigned, state that I am the Vice President of the Sandstone Resources (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 2000 2
 Approval Date 10/13/81
 Approved By: [Signature]

SAMPLES REQUIRED **RECEIVED**
 SAMPLES NOT REQUIRED **OCT 09 1981**

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

WATER SAMPLES REQUIRED **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.

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 _____

RECEIVED
OCT 09 1981
MO. OIL & GAS COUNCIL

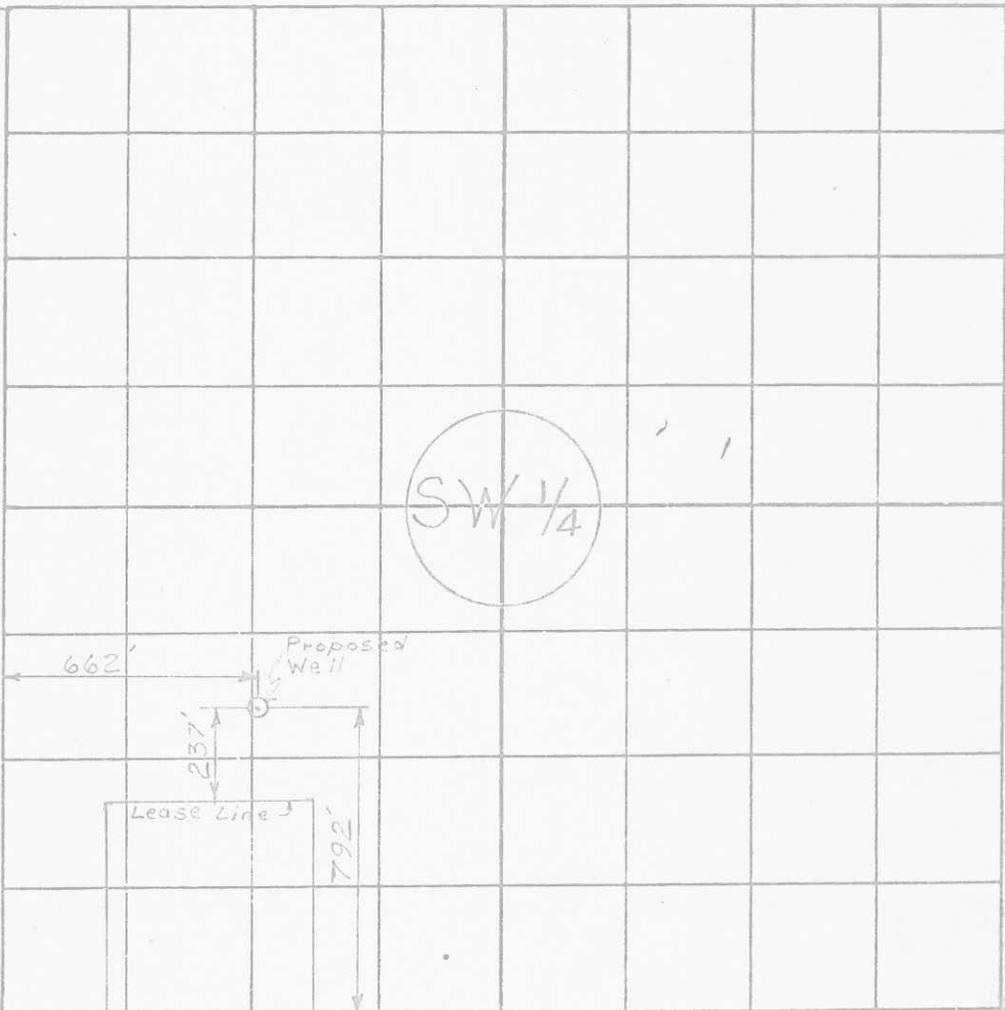
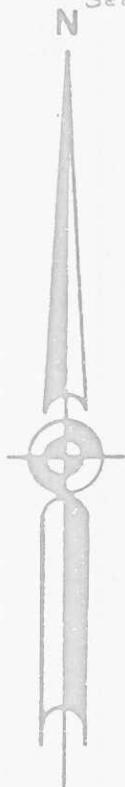
Owner: Sandstone Resources, Inc.

Lease Name: Kenneth K. and Velma Burden County: Clinton

792 feet from south line and 662 feet from west line
(N) - (S) (E) - (W) of Sec. 2, Twp. 55 N, Range 31

NW Cor SW 1/4
Sec 2

NE Cor SW 1/4
Sec 2



SCALE
1" = 500'

SW Cor SW 1/4
Sec. 2

SE Cor SW 1/4
Sec 2

REMARKS: Ground elevation at hole location is 993.5 (USC&GS)

RECEIVED

OCT 09 1981

MO. OIL & GAS COUNCIL

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.

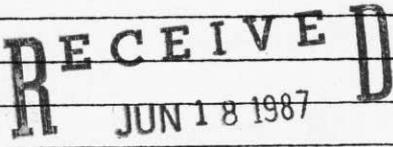
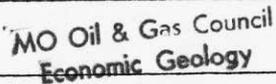
This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50 2 030 and that the results are correctly shown on the above plat.

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

Terry L. Ringot
Registered Land Surveyor
15-7959
Number



PLUGGING RECORD

Owner SANDSTONE RESOURCES, INC.		Address Cardinal Oil Building Fredrick Ave. at 24th. St., St. Joseph, Missouri 64506			
Name of Lease Burden		Well No. 2-1	Permit Number (OGC-3 or OGC-3I number)		
Location of Well SW/4 792.0 FNSL 662.0 FEWL		Sec-Twp-Rng or Block & Survey 2-55-31		County Clinton	
Application to drill this well was filed in name of Sandstone Resources, Inc.		Has this well ever produced oil or gas? No	Character of well at completion (initial production) Oil (bbls/day) -0- Gas (MCF/day) -0-		Dry? NA
Date Abandoned Jan./82	Total depth 910	Amount well producing prior to abandonment Oil (bbls/day) -0- Gas (MCF/day) -0-		Water (bbls/day) -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.	
NA		NA	NA	Portland "A" Cement from 657.0' to 0.0' 712.03	
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
4 1/2"	657.0'	192.3'	464.7'	192.3' with casing cut-off shot	
6 5/8"	58.3'	42.0'	16.3'	42.0' unscrewed	
Was well filled with mud-laden fluid? NA		Indicate deepest formation containing fresh water. NA			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name NA		Address		Direction from this well:	
					
Method of disposal of mud pit contents: NA					
Use reverse side for additional detail. File this form in duplicate with					
CERTIFICATE: I, the undersigned, state that I am the <u>Well plugging contractor of the Sandstone, Inc.</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><i>Emil D. Lutz</i></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)
			COPY OF INDUCTION AND CEMENT BOND LOGS ATTACHED

RECEIVED
JUN 18 1987
MO Oil & Gas Council
Economic Geology

*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.

Log tops
(measured from ground level, Run 3)

Stanton Fm	surf to	43 feet
Vilas Sh	top at	47
Plattsburg Ls		70
base of Lansing, top of K.C.		136
Winterset Ls		248
Galesburg Sh		275
Bethany Falls Ls		280
Ladore Sh		298
Hertha Ls		302
base of Kansas City		314 + 680
Knobtown sand		324
Red shale marker		410
Myrick Station Limestone		506
Lexington Coal		510
Squirrel sand		595

Sample tops

Bartlesville (?) sand	760
Warner (=Burgess?)	855
Mississippian	888 + 106

Sincerely,

David Cargo
David Cargo

RECEIVED
DEC 02 1985
MO. OIL & GAS COUNCIL

BURDEN #1
WELL #2-1
CLINTON, CO., MISSOURI

12/8/81

RU Plains Well Services with mast pole & swab line; fluid level 10' from surface; swab down to 420' - perforate Peru sand from 470-76' from (Gamma Ray Correlation Log). Swab to 467'-no fluid entry. Swab remaining, 47' of water above perfs-no show; wait 30 min. swab to 468' recovered 1' fluid with trace of Rainbow wait 30 min. swab to 468' trace fluid with trace Rainbow; no fluid entry on above mentioned swabs. RU Dowell-pump 250 gal. 7½ % HCL; followed with 9 bbls. water pressure to 1500 lbs. bleed into formation and repressure to 1800 lbs. 4 times and broke at 1 bbl.-flush in. Pump acid rate to 4 bpm at 700 psi. RD Dowell. Well kicking slightly. Swab load to 470' - no show; wait 10 min. fluid level at 430, recovered 40' water; swab 5' water, swab 40' water swab 7 times, recovering 170' water. Total bbls. recovered 12. (3 BLWTR)

12/9/81

RECEIVED
DEC 02 1985
MO. OIL & GAS COUNCIL

ONSICP-0 swage not tight go in hole swab fluid level at 200' swab 3 times recovering AP 3 bbls. water-no show. Swab 5 times no show no Rainbow; fluid level increasing AP 1' per min. between swabs. Swab 4 times for total recovery of 200' water or 3.2 bbls. water-no show Total fluid recovered 22 bbls. water released Plains at 4:00. Total 14 hrs. swabbing for 2 days.

MO-KAN WELL SERVICE

P. O. Box 328
Paola, KS 66071
Phone 913/294-4326

June 16, 1987

RECEIVED
JUN 18 1987
MO Oil & Gas Council
Economic Geology

State of Missouri
Department of Natural Resources
Division of Geology and Land Survey
Post Office Box 250
111 Fairgrounds Road
Rolla, Missouri 65401

Attn: Bruce W. Netzler, Geologist

Ref: Sandstone Resources, Inc.
Burden Well No. 2-1
Clinton County, Missouri

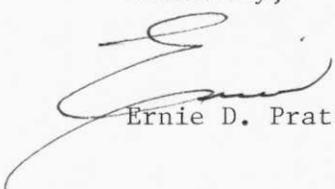
Dear Bruce:

Enclosed please find Missouri Oil and Gas Council Plugging Record Form OGC-7 and attached documents for the above referenced well as required.

I have also been requested by Mr. Chip Brock of Sandstone Resources, Inc. that their well plugging bond, posted with the Missouri Oil and Gas Council, be released and notice forwarded to Mr. Brock.

If you have any questions please feel free to contact me at (913) 755-2128.

Sincerely,


Ernie D. Pratt

EDP:vs

Enclosures

cc: Mr. Chip Brock

CEMENTING SERVICE REPORT



DOWELL DIVISION OF DOW CHEMICALS
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER 03-90-37 DATE 10-31-84
STAGE _____ DOWELL DISTRICT H. C. 03-90

DWL-496-M PRINTED IN U.S.A.

WELL NAME AND NO. <u>BURDEN #1</u>		LOCATION (LEGAL) <u>Sec 2 - 55N - 31W</u>		RIG NAME:			
FIELD-POOL		FORMATION		WELL DATA:			
COUNTY/PARISH <u>CLINTON</u>		STATE <u>Missouri</u>		API. NO.		TOTAL	
NAME <u>Southwest Resources Inc</u>		ADDRESS <u>St Joseph, Mo. 64506</u>		ZIP CODE		TOTAL	
SPECIAL INSTRUCTIONS <u>Cement 472 long string</u> <u>with 75 lbs RFC</u>		PRESSURE LIMIT PSI		BUMP PLUG TO <u>1100</u>		PSI	

HEAD & PLUGS		<input type="checkbox"/> TBG <input type="checkbox"/> D.P.		SQUEEZE JOB			
<input type="checkbox"/> DOUBLE		SIZE		TOOL	TYPE		
<input type="checkbox"/> SINGLE		<input type="checkbox"/> WEIGHT			DEPTH		
<input type="checkbox"/> SWAGE		<input type="checkbox"/> GRADE		TAIL PIPE: SIZE		DEPTH	
<input checked="" type="checkbox"/> KNOCKOFF		<input type="checkbox"/> THREAD		TUBING VOLUME Bbls			
TOP <input type="checkbox"/> R <input type="checkbox"/> W		<input type="checkbox"/> NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL Bbls			
BOT <input type="checkbox"/> R <input type="checkbox"/> W		DEPTH		TOTAL Bbls			
				ANNUAL VOLUME Bbls			

ROTATE	RPM	RECIPROCATATE	FT	NO. OF CENTRALIZERS
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TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR DATE:			ARRIVED ON LOCATION DATE:		LEFT LOCATION DATE:	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE:	TIME:	DATE:
0001 to 2400											
1445											
1900	4	4									
1910	4	200									
1916		"									
1925		"									
1931		1000									
<p>PRE-JOB SAFETY MEETING</p> <p>10 to well start circulation across circulation</p> <p>START Cement SHUT DOWN / DROP plug - Displace Bump plug</p> <p>NOTE: DID NOT CIRCULATE CEMENT TO SURFACE</p> <p>RECEIVED DEC 02 1985 MO. OIL & GAS COUNCIL</p>											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1	75	60	100% Cement					
2								
3								
4								
5								
6								

BREAKDOWN FLUID: TYPE		VOLUME		DENSITY		PRESSURE MAX: <u>1100</u> MIN: <u>900</u>	
<input type="checkbox"/> HESITATION SQ		<input type="checkbox"/> RUNNING SQ		CIRCULATION LOST <input type="checkbox"/> YES <input type="checkbox"/> NO		CEMENT CIRCULATED TO SURF <input type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN PSI		FINAL PSI		DISPLACEMENT VOL <u>10.5</u> Bbls		TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	
WASHED THRU PERFS <input type="checkbox"/> Yes <input type="checkbox"/> No		TO		FT		<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	
PERFORMATIONS		TO		TO		CUSTOMER REPRESENTATIVE	
						DOWELL SUPERVISOR <u>ST-400</u>	