Missouri Oil and Gas Council

Form OGC-3

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 E.W. STALLINGS DATE 5-11-87

9300 SHELBYVILLE RD. SUITE 1300 — Address; LOUISVILLE — City; KY 40222 — State

DESCRIPTION OF WELL AND LEASE

Name of lease	Well number	Elevation (ground)
BELTON UNIT	I-39	1081.0

WELL LOCATION (give footage from section lines)

440 ft. from (N) (S) sec. line 1320 ft. from (E) (W) sec. line

WELL LOCATION: Section 9 Township 46N Range 33W (3) County CASS

Nearest distance from proposed location to property or lease line: 1320 feet

Distance from proposed location to nearest drilling, completed or applied for well on the same lease: 220 feet

Proposed depth	Drilling contractor, name & address	Rotary or Cable Tools	Approx. date work will start
700'	CASADY DRILLING 1632 CHESTNUT OTTAWA, KS 66067	ROTARY	5-25-87

Number of acres in lease: 517.21

Number of wells on lease, including this well, completed in or drilling to this reservoir: 48

Number of abandoned wells on lease: 41

If lease purchased with one or more wells drilled, from whom purchased: Name MARATHON OIL CO. Address TULSA, OK

No. of Wells: producing 31, injection 2, inactive 3, abandoned 41

Status of Bond: Single Well ☐ Amt. ____ Blanket Bond ☑ Amt. 5000. ☑ 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.
700'	2 7/8		SURFACE

Approved casing - To be filled in by State Geologist

amt	size	wt /ft	cem.
✓	✓	✓	✓

I, the undersigned, state that I am the OWNER of the E.W. STALLINGS (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 E.W. Stallings

Permit Number 20500

Approval Date 6/10/87

Approved By James Holly Wilson

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

☑ E-logs required if run

☑ Core analysis required if run

☑ Drill stem test info. required if run

☐ Samples required

☑ Samples not required

WATER SAMPLES REQUIRED ☐

RECEIVED MAY 15 1987 MO Oil & Gas Council Economic Geology

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.

3/12/82

Note: Permit approval for drilling only, not injection. Approval or denial for injection determined after Mechanical Integrity Test results reviewed and official notification given. ☐

Missouri Oil and Gas Council — Form OGC-3I

INJECTION WELL PERMIT APPLICATION: to drill, deepen, plug back, or convert an existing well

APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☐ CONVERSION ☑

NAME OF COMPANY OR OPERATOR E.W. Stallings / WEI DATE 5-1-87

Rt #1 Hwy 58 — Address; Belton — City; MO 64012 — State

DESCRIPTION OF WELL AND LEASE

Name of lease	Well number	Elevation (ground)
Belton Unit	I-39	1166.3

WELL LOCATION: 440 ft. from (N) (S) sec line; 1320 ft. from (E) (W) sec line (give footage from sect)

WELL LOCATION: Section 9 Township 46N Range 33W — COUNTY: Cass

Nearest distance from proposed location to property or lease line 1320 feet

Distance from proposed location to nearest drilling, completed or applied for well on the same lease 320 feet

Proposed depth	Rotary or Cable tools	Drilling Contractor, name and address	Approx. date work will start
680'	Rotary	Cassady Drilling	Nov 10, 87

Number of acres in lease: 517

Number of wells on lease, including this well, completed in or drilling to this reservoir: 45

Number of abandoned wells on lease: 41

If lease purchased with one or more wells drilled, from whom purchased?

Name: Diamond Oil Co.

Address: Tulsa, OK

No of Wells: producing 31; injection 2; inactive 3; abandoned 41

Status of Bond: Single Well ☐ Amt. ____ Blanket Bond ☑ Amt. 20,000 — ☑ ON FILE ☐ ATTACHED

Outline Proposed Stimulation Program: Acid Frac w/ 50 gal/FT

Proposed casing program

amt.	size	wt/ft	cem.
651'	2 7/8 upset		Surface

Approved casing — To be filled in by State Geologist

amt.	size	wt/ft	cem.

I, the undersigned, state that I am the Geologist of the Western Engineering (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: Jeffrey A Taylor

Permit Number 20500

Approved Date 6/28/88

Approved by: Holly Wellman

☐ SAMPLES REQUIRED ☑ SAMPLES NOT REQUIRED

WATER SAMPLES 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

RECEIVED APR 01 1988 MO Oil & Gas Council Economic Geology

#20500

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.

8/1/84

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 _____

Proposed Operations Data

Proposed average daily injection, pressure 400 psig, rate 50 bpd/gpm, volume 50 bbl/gal

Approved average daily injection, (to be filled in by State Geologist). pressure 400 psig, rate 50 bpd/gpm, volume 50 bbl/gal

Proposed maximum daily injection, pressure 600 psig, rate 100 bpd/gpm, volume 100 bbl/gal

Approved maximum daily injection, (to be filled in by State Geologist). pressure 600 psig, rate 1000 bpd/gpm, volume 100 bbl/gal

Estimated fracture pressure/gradient of injection zone 1500 psi/foot

Describe the source of the injection fluid Mississippian Supply Well

Submit an appropriate analysis of the injection fluid. (Submit on separate sheet).

Describe the compatibility of the proposed injected fluid with that of the receiving formations, including total dissolved solids comparisons.

Receiving Formation: Squirrel Total Solids 5765 ppm Cl 1857
Supply Mississippi " 2232 ppm 1214

Give an accurate description of the injection zone including lithologic descriptions, geologic name, thickness, depth, porosity, and permeability.

Calcarous Sandstone w/ shale. Squirrel Formation of Pennsylvanian Age Cherokee Section. 460' - 620' 18% Ø, 500 md

Give an accurate description of the confining zones including lithologic description, geologic name, thickness, depth, porosity, and permeability.

Ft Scott: Hd LS - Low Ø Low Perm. 450'
Ardmore LS 650'

Submit all available logging and testing data on the well.

Give a detailed description of any well needing corrective action which penetrates the injection zone in the area of review (½ mile radius around well). Include the reason for and proposed corrective action.

None

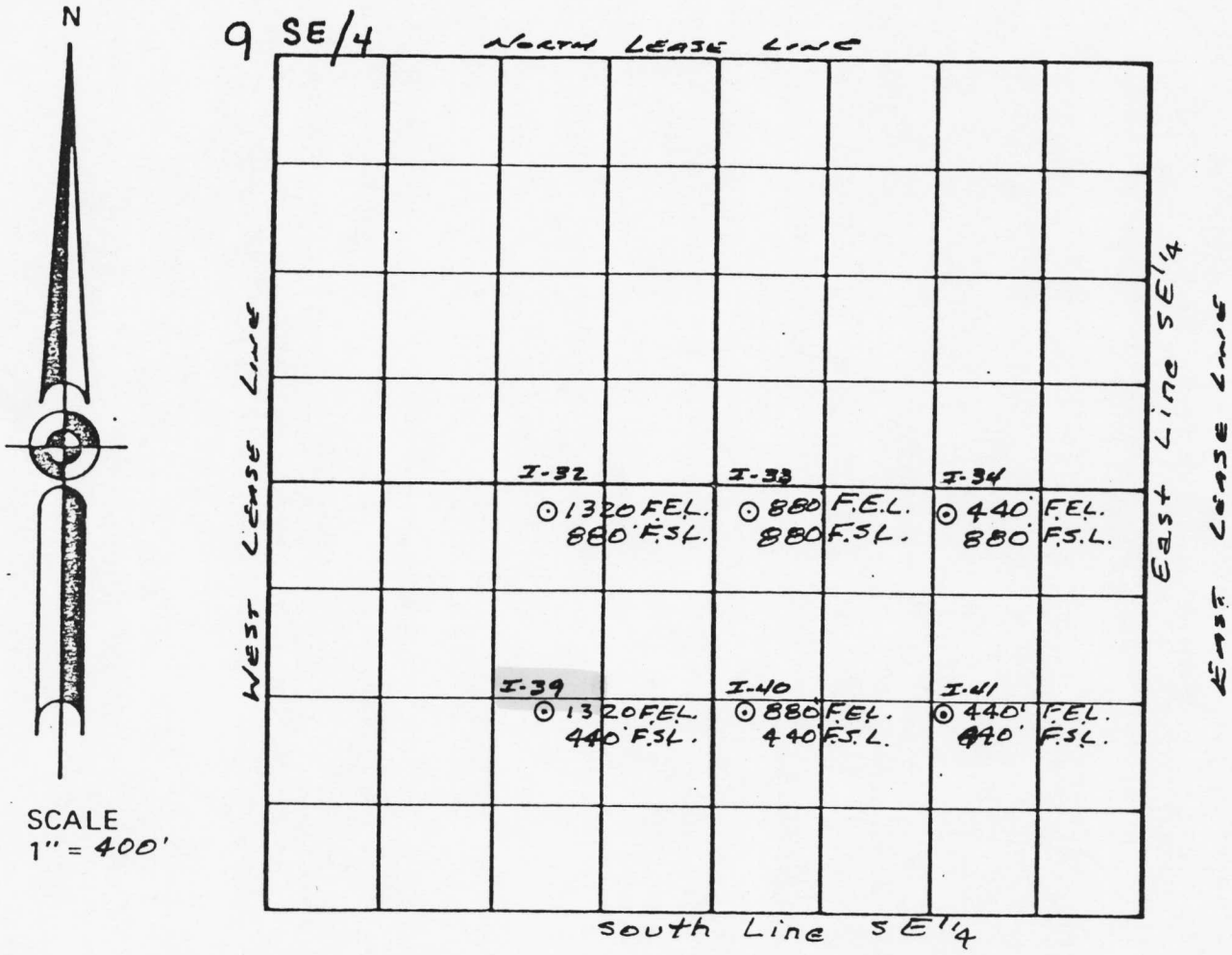
3/12/82 Missouri Oil and Gas Council Form [redacted]

[redacted] WELL LOCATION PLAT

Owner: E.W. Stallings

Lease Name: Abbey-Dunlap, Belton Unit County: Cass

____ feet from ____ (N)-(S) section line and ____ feet from ____ (E)-(W) section line of Sec. 9, Twp. 46 N., Range 33 W



SCALE
1" = 400'

REMARKS: The SE/4 Section 9 is part of a Unit
The nearest lease line is the same as the
nearest section line (East line SE/4)

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 injection and area of review wells (wells within a ½ mile radius of the injection well that penetrate the injection interval) in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

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MAY 15 1987
MO Oil & Gas Council
Economic Geology

Larry G. Knudsen 7-16
Registered Land Surveyor

MISSOURI
No. LS-1760
LARRY G. KNUDSEN
REGISTERED
LAND SURVEYOR

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

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

☑ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☑ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☐ OIL ☐ GAS ☐ DRY

OWNER: WEI	ADDRESS: 2011 E 175ST ST, Belton MO 64012
LEASE NAME: Belton Unit	WELL NUMBER: I 39
LOCATION: 440' FSL 1320' FEL	SEC. TWP. AND RANGE OR BLOCK AND SURVEY: 9 46N 33W
COUNTY: CASS	PERMIT NUMBER (OGC-3 OR OGC-31): 20500

DATE SPUDDED	DATE TOTAL DEPTH REACHED	DATE COMPLETED READY TO PRODUCE OR INJECT	ELEVATION (DF, RKR, RT, OR Gr.) FEET	ELEVATION OF CASING HD. FLANGE FEET
July 8, 87	July 12, 87	Aug 94	1081	1081

TOTAL DEPTH	PLUG BACK TOTAL DEPTH
680	649'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION	ROTARY TOOLS USED (INTERVAL)	CABLE TOOLS USED (INTERVAL)
584-604 606-614	0 TO TD; DRILLING FLUID USED: AIR	—

WAS THIS WELL DIRECTIONALLY DRILLED?	WAS DIRECTIONAL SURVEY MADE?	WAS COPY OF DIRECTIONAL SURVEY FILED?	DATE FILED
NO	—	—	—

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST)	DATE FILED
GRN/CCL CBL	OCT 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	AMOUNT PULLED
Surface	9 1/4	~~20~~ 6 5/8	NA	20'	3	
CASING	5 1/4	2 7/8	8.6	649	125	

TUBING RECORD

SIZE (IN.)	DEPTH SET (FEET)	PACKER SET AT (FEET)

LINER RECORD

SIZE (INCH)	TOP (FEET)	BOTTOM (FEET)	SACKS CEMENT	SCREEN (FEET)

PERFORATION RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL
4	2" HSC	584-604 606-614

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
350 gal Acid	584-604 606-614

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION	PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.
Aug 93	Injection

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST (bbls.)	GAS PRODUCED DURING TEST (MCF)	WATER PRODUCED DURING TEST (bbls.)	OIL GRAVITY (API (CORR.))
—						

TUBING PRESSURE	CASING PRESSURE	CAL'TED RATE OF PRODUCTION PER 24 HOURS	OIL (bbls.)	GAS (MCF)	WATER (bbls.)	GAS OIL RATIO

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

METHOD OF DISPOSAL OF MUD PIT CONTENTS

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE Geologist OF THE WEI 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 11 1994 MO Oil & Gas Council

DATE	SIGNATURE
March 8, 1994	Jeff Taylor

MO 780-0215 (1-86) (Rev. 1-86)

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☑ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☐

Owner: E W STALLINGS WESTERN ENG	Address: RT 1 Hwy 58 BELTON MO
Lease Name: BELTON UNIT	Well Number: I 39
Location: 440' NSL 1320' ~~EW~~ WEL	Sec. — TWP-Range or Block & Survey: 9 46N 33W
County: CASS	Permit number (OGC3 number):

Date spudded	Date total depth reached	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.)	Elevation of casing hd. flange
7/87	7/87	—	1081 feet	1082 feet

Total depth	P. B. T. D.
680'	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
481-626	From ⇔ to 680; Drilling Fluid used AIR	From — to

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
NO	—	—	—

Type of electrical or other logs run (list logs filed with the State Geologist): GRN / CCL — Date filed: 4/88

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	9 1/4	6 1/4		20'	3	—
Long STRING	5 1/4	2 7/8		650	70	—

TUBING RECORD

Size	Depth set	Packer set at
in.	ft.	ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.		

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval
NA		

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval
NA	

INITIAL PRODUCTION

Date of first production: —

Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): —

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
—			bbls.	MCF	bbls.	API (Corr.)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hr.	Oil	Gas	Water	Gas—oil ratio
—			bbls.	MCF	bbls.	

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

Method of disposal of mud pit contents: PIT Dried up & was Closed

CERTIFICATE: I, the undersigned, state that I am the Geologist of the Western Eng Corp (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: Jeffrey A Taylor

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MO Oil & Gas Council
Economic Geology

Remit two copies; one will be returned

DETAIL OF FORMATIONS PENETRATED

I 39

Formation	Top	Bottom	Description*
KANSAS CITY	Surface	249'	LS, SH
Pleasanton	249'	422	SH
FT SCOTT	423	476	LS, Sd, SH
Squirrel	477	634	Sd, SH, LS

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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.

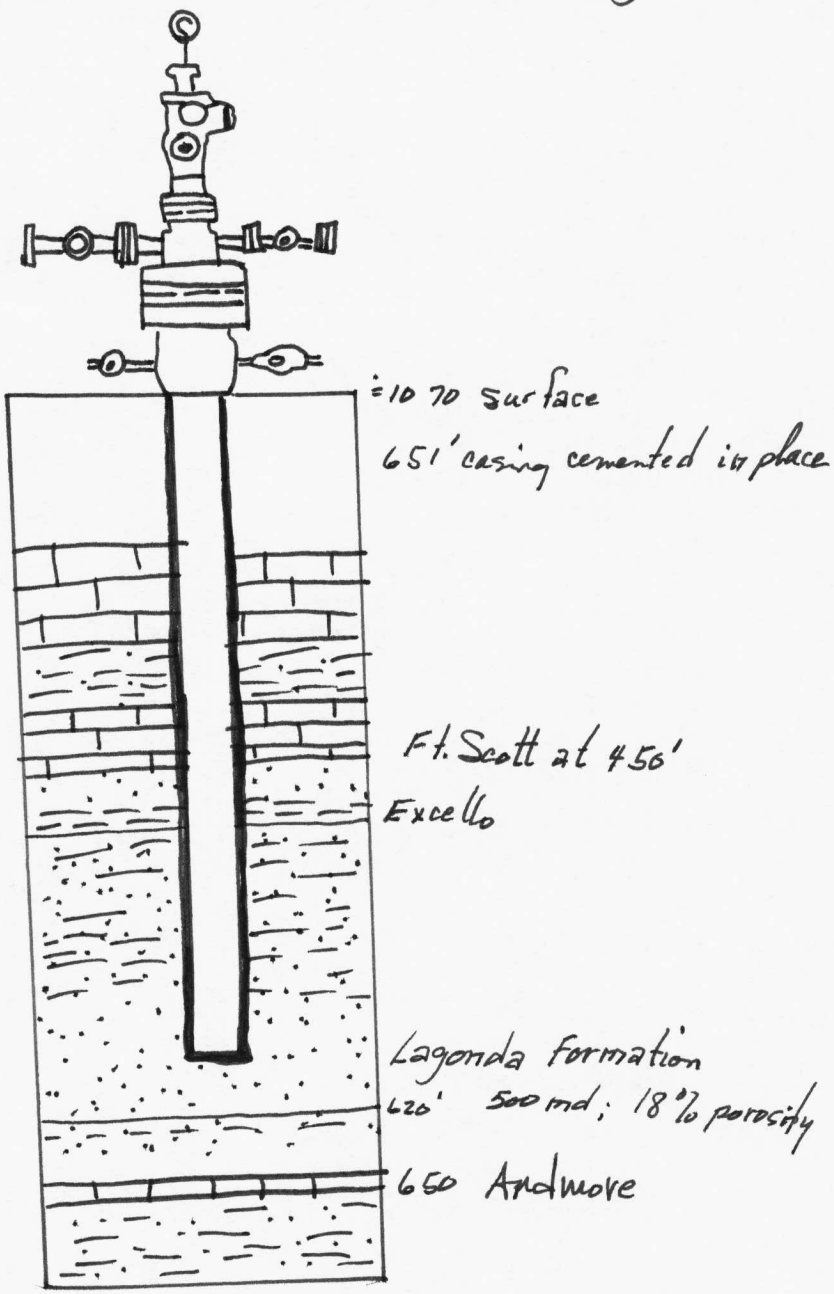
INSTRUCTIONS:

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.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
INJECTION WELL SCHEMATIC

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	20500	WESTERN Engineering	I-39



#20500

INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCLUDING THE FOLLOWING: CONFIGURATION OF WELL HEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

INJECTION WELL MONITORING REPORT

FORM OGC-12

INSTRUCTIONS ▶ RECORD INJECTION RATE AND INJECTION PRESSURE AT LEAST MONTHLY WITH THE RESULTS SUBMITTED ANNUALLY.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	20500	WEI	I 39

MONTH	INJECTION RATE - bpd/gpm	INJECTION PRESSURE - psig	DATE MEASUREMENT TAKEN	REMARKS
(01) JAN.				
(02) FEB.				
(03) MARCH				
(04) APRIL				
(05) MAY				
(06) JUNE				
(07) JULY				
(08) AUG.	60	220	8/31/93	
(09) SEPT.	75	285	9/16/93	
(10) OCT.	65	315	10/27/93	
(11) NOV.	70	370	11/30/93	
(12) DEC.	78	410	12/07/93	

MO 780-0208 (10-87)

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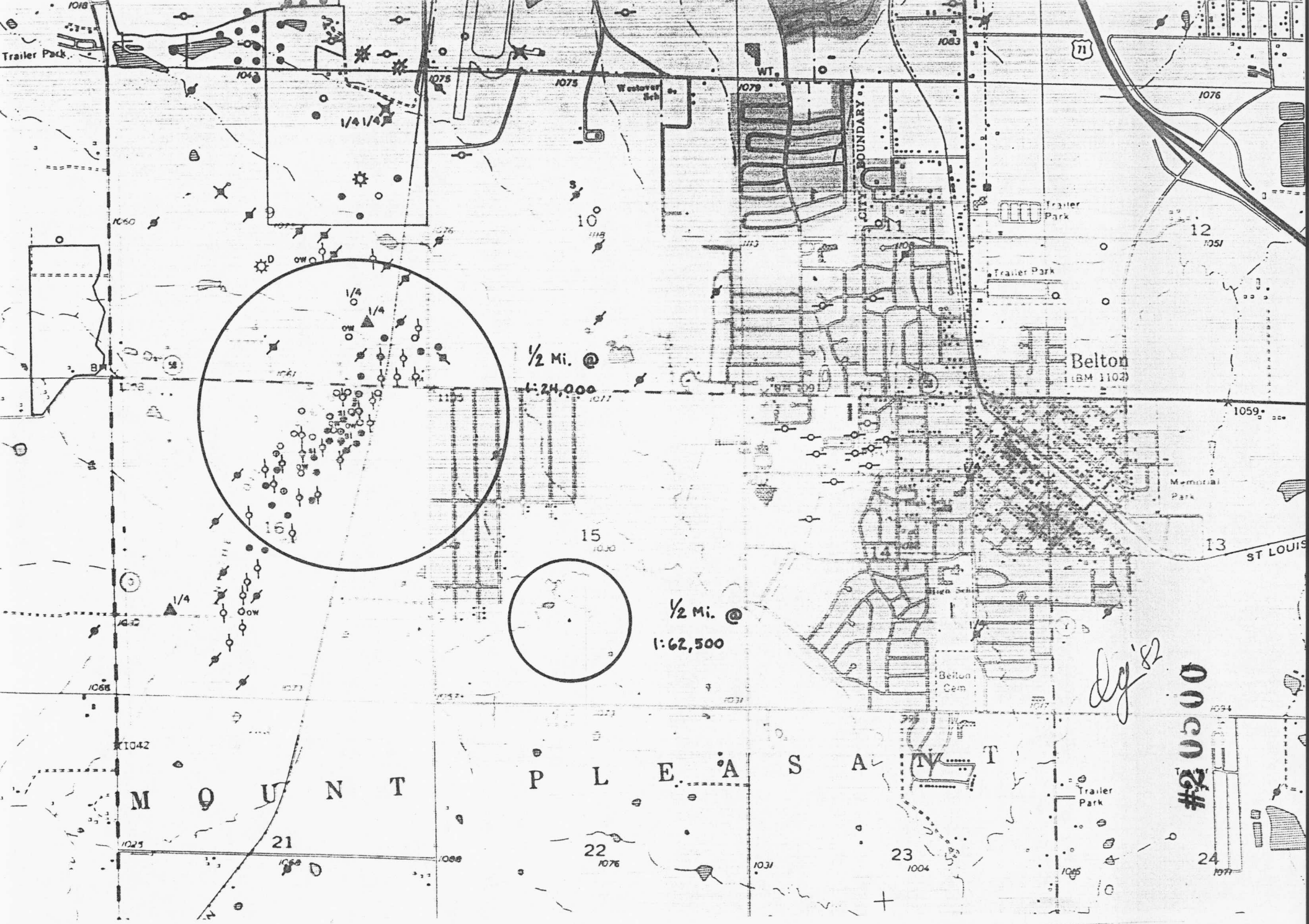
MAR 11 1994
MO Oil & Gas Council



Trailer Park
Westover Sch
CITY BOUNDARY
Trailer Park
Trailer Park
Belton
(BM 1102)
Memorial Park
ST LOUIS
Belton Cem
Trailer Park
M O U N T P L E A S A N T
1/2 Mi. @
1:24,000
1/2 Mi. @
1:62,500
dg '82
#2 0500

MISSOURI
Mechanical Integrity Test

Test Date: 11-3-2006

Operator: DE Exploration
Address: 516 Main
PO Box 128, Wellsville KS 66902
Contact: Doug Evans
Phone: 785-883-4057

Lease: Belton Unit **Well No.:** I-39
County: Cass **Permit No.:** 20500

TEST INFORMATION

Pressure [X] Radioactive Tracer Survey [ ] Temperature Survey [ ]

	Run #1	Run #2	Run #3	Run #4
Start Time:	12:15			
End Time:	1:05			
Length of Test:	:50			
Initial Pressure (PSI):	280			
Ending Pressure (PSI):	280			
Pressure Change:	0			

Fluid Used For Test (water, nitrogen, CO2, etc.): Air

Perforations: 550' - 580'

Comments: 550 X .433 = 238#

The bottom of the tested zone is shut in with Fluid Depression Test at a depth of 550 feet.
In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the test date shown above.

Signature [signature] Operator, Contact Person or Approved Agent

[signature] Title

FOR INTERNAL USE ONLY

Results were: Satisfactory X Not Satisfactory ____ Computer Update: ✓

Remarks:

State Agent: [signature] Witnessed: Yes X No ____

!! FILE WITH PERMIT !!

STATE OF MISSOURI JEFFREY C. JAQUES PG0819 REGISTERED GEOLOGIST

OGC Misc Form 1

MISSOURI
Mechanical Integrity Test

Test Date: 9-26-01

Operator: **D.E. Exploration, Inc.**
Address: **618 Main**
P.O. Box 128 Wellsville, KS 66092
Contact: **Doug Evans**
Phone: **785-883-4057**

Lease: **Belton Unit** ***Well No.:*** **I-39**
County: **Cass** ***Permit No.:*** **20500**

TEST INFORMATION

Pressure [X] Radioactive Tracer Survey [ ] Temperature Survey [ ]

	Run #1	Run #2	Run #3	Run #4
Start Time:	9:15			
End Time:	9:45			
Length of Test:	30 min			
Initial Pressure (PSI):	315#			
Ending Pressure (PSI):	310#			
Pressure Change:	5#			

Fluid Used For Test (water, nitrogen, CO2, etc.): _____

Perforations: ~~584'-604'~~ 550# - 580# -

Comments: 550# X .433 = 237# + 75' = 312#

The bottom of the tested zone is shut in with fluid depression test at a depth of 584 feet. In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the test date shown above.

Signature Gary Windisch
Operator, Contact Person or Approved Agent

Contractor
Title

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Results were: Satisfactory X Not Satisfactory ____ Computer Update: ✓

Remarks: _____

State Agent: SAS Witnessed: Yes ___ No X

!! FILE WITH PERMIT !!

OGC Misc Form 1

037 - 20500

CASING MECHANICAL INTEGRITY TEST

Disposal [ ] Enhanced Recovery:

OW-OP
5 YR TEST

Repressuring [X]
Flood [ ]
Tertiary [ ]

Date injection started _____

PERMIT # 20500

_____ _____ SE, Sec 9, T 46 N, R 33 W

440 Feet from South Section Line
1320 Feet from East Section Line

Lease BELTON UNIT Well # I-39
County CASS, MISSOURI

Operator: WESTERN ENGINEERING
Name & Address 2011 E. 171ST STREET
BELTON, MO 64012

Operator License # _____

Contact Person JEFF TAYLOR

Phone 913/883-4523

Max. Auth. Injection Press. _____ psi; Max. Inj. Rate _____ bbl/d;
If Dual Completion - Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner	Tubing
Size		6 5/8"	2 7/8"		Size
Set at		20'	649'		Set at
Cement Top		0	0		Type
" Bottom		20'	649'		

DV/Perf. _____ TD (and plug back) 680 ft. depth
Packer type _____ Size _____ Set at _____
Zone of injection 584 ft. to ft. 614 Perf. ~~or open hole~~ PERFORATE

Type Mit: Pressure [X] Radioactive Tracer Survey [ ] Temperature Survey [ ]

FIELD DATA

Time: Start 20 Min. 40 Min. 60 Min.

Pressures: 225 225 225 Set up 1 | System Pres. during test _____
_____ _____ _____ Set up 2 | Annular Pres. during test _____
_____ _____ _____ Set up 3 | Fluid loss during test _____ bbls.

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SEP 30 1996
KCC Oil & Gas Council

Tested: Casing [X] or Casing - Tubing Annulus [ ]

The bottom of the tested zone is shut in with FLUID DEPRESSION TEST

Test Date 9/23/96 Using MIDWEST SURVEYS Company's Equipment

The operator hereby certifies that the zone between 0 feet and 584 feet
was the zone tested Steven W. Wendrich (Signature) CONTRACTOR (Title)

The results were Satisfactory XX, Marginal _____, Not Satisfactory _____

State Agent Sherri Stoner Title Geologist Witness: Yes ____ No X

REMARKS: FLUID LEVEL WAS 60' FROM SURFACE. WELL HAD 524' OF FLUID ABOVE PERFS.
584 - 60 = 524 X .43 = 225

[ ] Orgin. Conservation Div.; [ ] KDHE/T; [ ] Dist. Office;
[ ] Computer Update

Nov. 11, 1991

MECHANICAL INTEGRITY TEST

As prescribed in Missouri Oil and Gas Rules and Regulations 10 CSR 50-2.040 (6) the following well(s) have been pressured tested.

Well Number and Lease	Permit Number	Minutes Tested	Pressure Reading Commenced	Pressure Reading Concluded
Abbey Dunlop				
I 32	20497	30	600 psi	600 psi
I 33	20498	30	600 psi	600 psi
I 39	20500	30	600 psi	600 psi
I 40	20501	30	600 psi	600 psi

These wells were tested and cementing records forward.

Witness signature: _____

Cementing records are on file at the Missouri Geologic Survey, Missouri Oil and Gas Council; including form ogc-5, and cement bond logs. The above wells were tested on Oct. 21, 1991.

Jeff Taylor

Jeff Taylor
Production Mgr., Western Engineering

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NOV 1 5 1991
MO Oil & Gas Council

Western Engineering Inc.

Specialists — E.O.R. & Property Evaluation

Hurstbourne Place
9300 Shelbyville Road
Suite 1300
Louisville, KY 40222
502-429-0122

November 26, 1987

M.I.T. Tests
Belton Unit, Cass,Co. Mo.

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MO Oil & Gas Council
Economic Geology

WELL #	ISIP	FSIP	TIME
I-32	650 psi	648psi	30/min
I-33	650 psi	646psi	30/min
I-34	650 psi	649psi	30/min
I-39	650 psi	650psi	30/min
I-41	650 psi	645psi	30/min
I-40	650 psi	647psi	30/min

Witnessed/Nov.26,1987

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MO Oil & Gas Council
Economic Geology

COUNTY: CASS

API: 24 037 20500

COMPANY NAME: D.E. EXPLORATION, INC.

COMPANY NUMUMBER: DE022

LEASENAME: BELTON UNIT

WELL NUMBER: I-39

WELL ORDER: I-39

ORIGINAL OPERATOR: STALLINGS, E. W.

WELL TYPE: 4

WELL STATUS: AC

BONDED Y/N: Y

Procedure Dates:

DATEAPPROV:	6/28/1988
CAN_DT:	
SPUD_DATE:	7/1/1987
COMPL_DT:	8/15/1993
PLUG_DT:	

TOWNSHIP: 46 RANGE: 33 SECTION: 9

SURVEYLOC1: 440 FSL SURVEYLOC2: 1320 FEL

LATITUDE: 38 49 6 LONGITUDE: 94 34 37 ELEVATION: 1081

PROPOSEDTD: 700 ACTUALTD: 680 LOG_DEPTH: 649 PBTD: 0

PERF_INT: 550-580 LOG_TYPE: CBND,GRN

IP: SPL_LOG:

GRAVITY: GOR: PROD_FORM:

MIT_1: 10/26/1989 MIT_2: 9/23/1996 MIT_3: 9/26/2001 MIT_4: LAST_MIT: 9/26/2001

WIT_1: WIT_2: WIT_3: Y WIT_4: LASTMITWIT: Y

MITCOMMENT: CONVERTED TO INJECTION

INSP_1: 7/1/1992 INSP_2: 9/26/2001 INSP_3:

COMMENT:

Print Form | U - Update File | R - Return to Permit Menu

Select Action by Clicking on Button or Typing Number or Letter:

STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

FORM OGC-12

INJECTION WELL MONITORING REPORT

INSTRUCTIONS ▶ Record Injection Rate and Injection Pressure at least monthly with the results submitted annually.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	037 20500	D.E. Exploration, Inc.	Belton Unit #39

MONTH	INJECTION RATE – bpd/gpm	INJECTION PRESSURE – psig	DATE MEASUREMENT TAKEN	REMARKS
(01) January	66.32	285	January 31, 2006	
(02) February	83.32	300	February 28, 2006	
(03) March	66.81	300	March 31, 2006	
(04) April	57.00	295	April 30, 2006	
(05) May	73.48	300	May 31, 2006	
(06) June	69.93	280	June 30, 2006	
(07) July	93.84	300	July 31, 2006	
(08) August	92.42	295	August 31, 2006	
(09) September	85.40	285	September 30, 2006	
(10) October	92.00	300	October 31, 2006	
(11) November	105.07	290	November 30, 2006	
(12) December	77.94	300	December 31, 2006	

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FORM OGC-12

INJECTION WELL MONITORING REPORT

INSTRUCTIONS ▶ Record Injection Rate and Injection Pressure at least monthly with the results submitted annually.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	037-20500	D.E. Exploration, Inc.	Belton Unit #39

MONTH	INJECTION RATE – bpd/gpm	INJECTION PRESSURE – psig	DATE MEASUREMENT TAKEN	REMARKS
(01) January	10.52	285	January 31, 2007	
(02) February	99.95	300	February 28, 2007	RECEIVED
(03) March	91.19	300	March 31, 2007	FEB 11 2008
(04) April	81.40	295	April 30, 2007	Mo Oil & Gas Council
(05) May	69.26	300	May 31, 2007	
(06) June	81.27	280	June 30, 2007	
(07) July	80.19	300	July 31, 2007	
(08) August	75.71	295	August 31, 2007	
(09) September	80.70	285	September 30, 2007	
(10) October	84.23	300	October 31, 2007	
(11) November	84.80	290	November 30, 2007	
(12) December	84.32	300	December 31, 2007	

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FORM OGC-12

INJECTION WELL MONITORING REPORT

INSTRUCTIONS ▶ Record Injection Rate and Injection Pressure at least monthly with the results submitted annually.

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	20500	D.E. Exploration, Inc.	Belton Unit #39

MONTH	INJECTION RATE – bpd/gpm	INJECTION PRESSURE – psig	DATE MEASUREMENT TAKEN	REMARKS
(01) January	76.61	285	January 31, 2008	
(02) February	83.93	300	February 29, 2008	
(03) March	69.81	300	March 31, 2008	
(04) April	78.20	295	April 30, 2008	
(05) May	62.81	300	May 31, 2008	
(06) June	55.00	280	June 30, 2008	
(07) July	85.16	300	July 31, 2008	
(08) August	86.74	295	August 31, 2008	
(09) September	86.43	285	September 30, 2008	
(10) October	70.55	300	October 31, 2008	
(11) November	66.90	290	November 30, 2008	
(12) December	68.42	300	December 31, 2008	

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INJECTION WELL MONITORING REPORT

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INSTRUCTIONS ▶ Record Injection Rate and Injection Pressure at least monthly with the results submitted annually

COUNTY	PERMIT NUMBER	OPERATOR	WELL NUMBER
Cass	20500	D.E. Exploration, Inc.	Belton Unit #I-39

MONTH	INJECTION RATE – bpd/gpm	INJECTION PRESSURE – psig	DATE MEASUREMENT TAKEN	REMARKS
(01) January	80.65	285	January 31, 2009	
(02) February	67.64	300	February 28, 2009	
(03) March	69.61	300	March 31, 2009	
(04) April	65.63	295	April 30, 2009	
(05) May	66.32	300	May 31, 2009	
(06) June	55.20	280	June 30, 2009	
(07) July	73.00	300	July 31, 2009	
(08) August	78.42	295	August 31, 2009	
(09) September	84.43	285	September 30, 2009	
(10) October	79.55	300	October 31, 2009	
(11) November	81.07	290	November 30, 2009	
(12) December	87.90	300	December 31, 2009	

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