

Permit #: 20069

Date Issued: 4-2-93

County: Bates

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 4-13-93

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	
3i	<u>4-8-93</u>
4	
4i	
5	
6	
7	<u>4-26-93</u>
8	
11	
12	
Misc. Form 2	

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

Additional Submitted Data:

Blank area for additional submitted data.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

RECEIVED FORM OGC 3
APR 08 1993

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: Colt Energy, Inc. DATE: 4-8-93
ADDRESS: Box 388 CITY: Iola, STATE: KS ZIP CODE: 66749

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Karlin-Harden WELL NUMBER: 3-21 ELEVATION (GROUND): 848

WELL LOCATION: 172 FT. FROM (N) SECTION LINE 2570 FEET FROM (E)(W) SECTION LINE

WELL LOCATION: SECTION 21 TOWNSHIP 41 RANGE 33 COUNTY Bates

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 172 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: _____ FEET

PROPOSED DEPTH: 650 DRILLING CONTRACTOR, NAME AND ADDRESS: Evans Energy Deve, Inc. ROTARY OR CABLE TOOLS: Rotary APPROX. DATE WORK WILL START: 4-12-93

NUMBER OF ACRES IN LEASE: 2080 NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 1
NUMBER OF ABANDONED WELLS ON LEASE: _____

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? _____
NAME: _____ ADDRESS: _____
NO. OF WELLS: PRODUCING 0 INJECTION 0 INACTIVE 0 ABANDONED 0

STATUS OF BOND: SINGLE WELL AMOUNT \$ _____ BLANKET BOND AMOUNT \$ 80,000 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			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
30	6 5/8	17	6SX	30	6 5/8	17	6 SX
650	2 7/8	6.4	60SXS	650	2 7/8	6.4	60 SXS

I, the undersigned, state that I am the Agent of the Colt Energy, 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: [Signature] DATE: 4-8-93

PERMIT NUMBER: #20069

APPROVAL DATE: 4-9-93

APPROVED BY: [Signature]

- DRILLER'S 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 AT _____

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

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: _____

W. C. LETHCHO
 COUNTY ENGINEER & SURVEYOR
 Bates County Court House
 BUTLER, MO. 64730
 Phone 679-4031

APRIL 7, 1993

WELL REFERENCE TIES
 SECTION 21, TOWNSHIP 41 NORTH, RANGE 33 WEST
 SHEET 1 OF 2

FOR: COLT ENERGY, INC.
 4500 COLLEGE BLVD SUITE 308
 OVERLAND PARK, KS 66211
 ATTN: JOHN G. GOLSON
 913-451-3807

1"=50'
 MAG BRGS
 8° EAST DECL



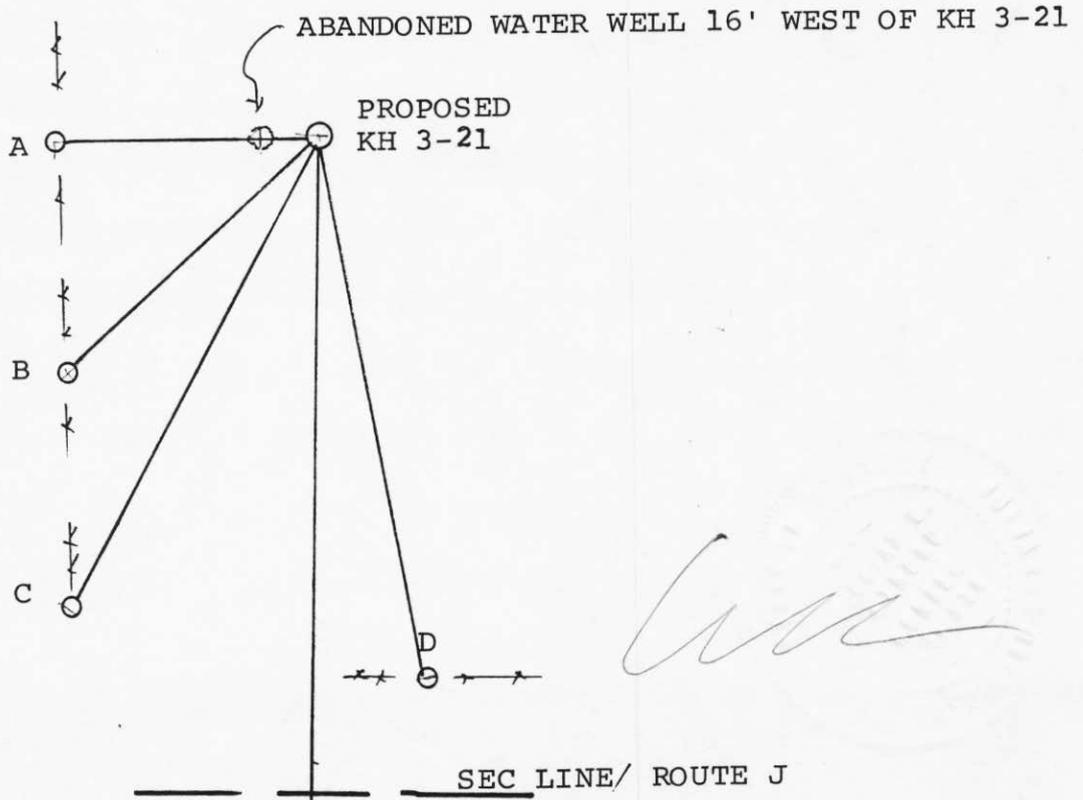
PROPOSED WELL
 KARLIN/HARDIN 3-21

THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ARE IN ACCORDANCE WITH
 CURRENT MINIMUM STANDARDS.

REFERENCE A	- S89°W	TO 9TH STEEL FENCE POST NORTH OF NORTH GATE POST	69.0'
"	B - S46°W	TO 4TH "	89.8'
"	C - S27°W	TO NORTH GATE POST	138.0'
"	D - S11°E	TO WEST GATE POST	144.5'

PROPOSED WELL IS 172' NORTH OF SECTION LINE

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[Handwritten signature]

ESMT



1" = 400' ±

T41N R33W

WELL LOCATION MAP BATES COUNTY TAX
MAP 65-06-5 KARLIN/HARDIN 3-21

SHEET 2 OF 2

172' ±

K-H 3-21

2570' ±

21 22

28 27

K-H 3-21 65-06-5



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
PLUGGING RECORD

FORM OGC-7

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MO Oil & Gas Council

OWNER Colt Energy, Inc.		ADDRESS P.O. Box 388, Iola, KS 67499	
NAME OF LEASE Karlin-Harden		WELL NUMBER 3-21	PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) 20069
LOCATION OF WELL 172FSL 2570FEL		SEC. 1-WF-RNG OR BLOCK & SURVEY 21-41-33	COUNTY Bates
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF Colt Energy, Inc.		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBLS/DAY) ----- GAS (MCF/DAY) -----
DATE ABANDONED 4-13-93		TOTAL DEPTH 482	DRY? Dry
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, giving amount cement.
Squirrel	Oil Show	178-220	Cemented Well From
Bartlesville	Oil Show	366-393	482 to surface
Mississippi Lime	None	481-482	using 60sxs cement

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
7"	26.95	4	16	cut surface pipe	pe off below plow depth

WAS WELL FILLED WITH MUD-LADEN FLUID? YES NO

INDICATE DEEPEST FORMATION CONTAINING FRESH WATER

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

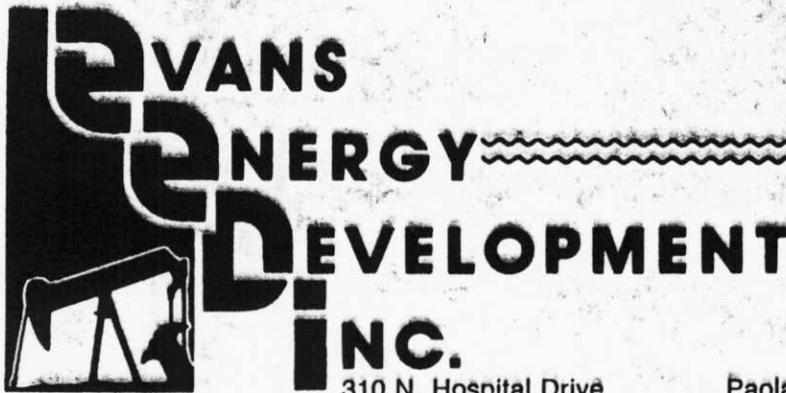
NAME	ADDRESS	DIRECTION FROM THIS WELL
Charles A. Karlin	11917 Goddard Overland Park, KS66215	Surface Owner

METHOD OF DISPOSAL OF MUD PIT CONTENTS Pumped pit out - pushed pit in

NOTE: FILE THIS FORM IN DUPLICATE WITH: (USE REVERSE SIDE FOR ADDITIONAL DETAIL)

CERTIFICATE I, the undersigned, state that I am the Agent of the Colt Energy, 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 Dennis Kerchner DATE 4-22-93



310 N. Hospital Drive

Paola, Kansas 66071

(913) 294-9083

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MO Oil & Gas Council
Lease Development

Custom
oil & gas
drilling
Lease Development

WELL LOG
Karlin - Harden 3-21
Colt Energy, Inc.
Permit Number - 20069
April 12 - April 13, 1993

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
12	soil & clay	12
18	shale	30
4	lime	34
18	shale	52
3	coal	55
4	shale	59
15	lime	74
16	shale	90
4	lime	94
6	shale	100
9	sand	109-brown, oil show
1	limey sand	110
18	shale	128
18	lime	146
1	shale	147-gray
7	shale	154-black
3	lime	157
1	shale	158
4	lime	162
2	shale	164
12	shale	176-black
2	shale	178-gray
18	sand	200-light brown oil show top 6', gray and shaley bottom
8	shale	208
2	sand	210-gray
6	sand & shale	216-black shale & silty sand, very laminated
4	sand	220-gray
14	shale	234-dark
2	lime	236
1	lime & shale	237-sea shells & dark shale
8	shale	245-dark
30	shale	275-gray
1	coal	276
68	shale	344
2	sand	346-light brown, light bleeding
3	silty shale	349
3	shale	352

Karlin - Harden (con't)

3	sand	355-brown, light bleeding
4	sand	359-brown, good bleeding
7	shale	366
15	sand	381-light brown, no show
1	sand	382-black
8	silty shale	390-light gray
3	sand & shale	393-light gray silty sand & dark shale laminated
3	shale	396-dark
51	shale	447
5	sand & shale	452-thin laminations light gray sand & dark shale
26	shale	478-dark
3	shale	481-light gray
1	lime	482-TD-Mississippian

Set 26.95' of 7" T & C Surface Casing.

This well was plugged with 60 sacks from 482' to the surface on 4/13/93.

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MIDWEST SURVEYS
 LOGGING - PERFORMING - CONSULTING SERVICES
 PHONE: KANSAS 66271
 FAX: 660-2411
 817-352-1188

PERMIT#20069

COMPANY: **COLE ENERGY, INC.**
 WELL NO.: **3-21**
 FIELD: **KARLIN/HARDEN LEASE**
 COUNTY: **BATES** STATE: **MISSOURI**

LOCATION: **2570.0 PRL - 172.0 PSL**
 SEC: **21** TWP: **41N** R10R: **33W**

REMARKS: **LOG MEASURED FROM G.I.L.**
 LOG MEASURED FROM: **G.I.L.** FT ABOVE PERM DATUM: **951.0**
 DRILLING MEASURED FROM: **G.I.L.** G.I.: **951.0**

DATE: **4-13-93** TIME: **11:00** RIV: **951.0** ELEV: **8.8** NA
 RUN NO: **1** NW
 TYPE LOG: **GAMMA RAY** NEUTRON

DEPTH - LOGGER: **NA** 480.0
 NOTION LOGGED INTERVAL: **473.5** 479.0
 TOP LOGGED INTERVAL: **0.0** 5.5
 TYPE FLUID IN HOLE: **WATER** WATER
 SALINITY PPM CL: **NA** NA
 OBSERV: **NA** NA
 LEVEL: **FULL** FULL
 MAX REC TEMP: **98.0 F** NA
 OPERATING AND TIME: **NA** NA
 RECORDED BY: **S. WINDISCH** S. WINDISCH
 WITHHELD BY: **G. VINCENT** G. VINCENT

BORE-HOLE RECORD FROM: TO: SIZE: W.O.I. FROM: TO: CASING RECORD (OPEN HOLE)

MO Oil & Gas Council

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 APR 26 1993

FOLD HERE THIS HEADING AND LOG CONTAINS TO API BP 33

EQUIPMENT DATA						
GAMMA RAY		NEUTRON				
RUN NO.	1 NW	RUN NO.	1 NW			
TOOL MODEL NO.	705-G	LOG TYPE	705-G			
DIAMETER	1 11/16"	TOOL MODEL NO.	705-G			
DETECTOR MODEL NO.	705-GE	DIAMETER	1 11/16"			
TYPE	GEIGER	DETECTOR MODEL NO.	705-He3			
LENGTH	1 3/8 X 18	TYPE	He-3			
DISTANCE TO N. SOURCE	4.5	LENGTH	1" X 6"			
		SOURCE MODEL NO.	71-1			
		SERIAL NO.	71-1-354B			
		SPACING	13"			
		TYPE	Am241Be			
		STRENGTH	3 CI			
LOGGING DATA						
GENERAL		GAMMA RAY		NEUTRON		
RUN NO.	DEPTHS	SPEED	T.C.	SENS.	ZERO	APN N. UNITS
1	FROM TO	FT/MIN	SEC	SETTINGS	DIV. 1 OR 2	PER LOG DIV.
	0.0 479.0	20	4.0	1.50/100	OL	20

REFERENCE LITERATURE: **OPEN HOLE NOT CEMENTED**

REMARKS: **D.C. EVANS ENERGY & DEVELOPMENT INC.**

GAMMA RAY DEPTH NEUTRON
 CASING COLLARS



COMPANY	COLE ENERGY, INC.	GAMMA RAY T.D.	480.0
WELL	NO. 3-21	GAMMA RAY R.D.	473.5
LEASE	KARLIN/HARDEN	NEUTRON T.D.	480.0
COUNTY	BATES COUNTY MISSOURI	NEUTRON R.D.	479.0
DATE	APRIL 13, 1993	CASING SET @	OR