

Permit #: 20075

Date Issued: 6-18-93

County: Bates

Date Cancelled:

CONFIDENTIAL UNTIL:

Date Plugged: 6-23-93

COMMENTS:

OCC FORMS	Date Received
1	
2	
3	6-14-93
3i	
4	
4i	
5	8-2-93
6	
7	8-2-93
8	
11	
12	
Misc. Form 2	

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

Additional Submitted Data:



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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 Colt Energy, Inc.		DATE 6-10-93	
ADDRESS P.O. Box 388	CITY Iola	STATE KS	ZIP CODE 66749

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE Briggs	WELL NUMBER 4-16	ELEVATION (GROUND) 789
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) 181 FT. FROM (X)(S) SECTION LINE 2035 FEET FROM (E) (W) SECTION LINE		
SECTION 16	TOWNSHIP 40N	RANGE 33W
COUNTY Bates		

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 715 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE 165 FEET

PROPOSED DEPTH 650	DRILLING CONTRACTOR, NAME AND ADDRESS Evans Energy Dev., Inc.	ROTARY OR CABLE TOOLS Rotary	APPROX. DATE WORK WILL START 6-18-93
NUMBER OF ACRES IN LEASE 1009	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 _____ 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	6SXS				
650	2 7/8	6.4	60sxs				

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 *Cernis Krishna* DATE 6-10-93

PERMIT NUMBER #20075

APPROVAL DATE 6/18/93

APPROVED BY *Jane Holly Williams*

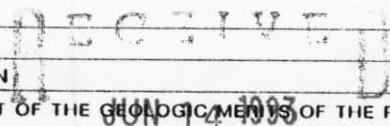
DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
 CORE ANALYSIS REQUIRED IF RUN DRILL STEM TEST INFO REQUIRED IF RUN
 SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
 WATER SAMPLES REQUIRED AT _____

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 METHODS 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

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MO Oil & Gas Council

JUNE 2, 1993

WELL REFERENCE TIES
SECTION 16, TOWNSHIP 40 NORTH, RANGE 33 WEST BATES COUNTY, MO.

SHEET 1 OF 2

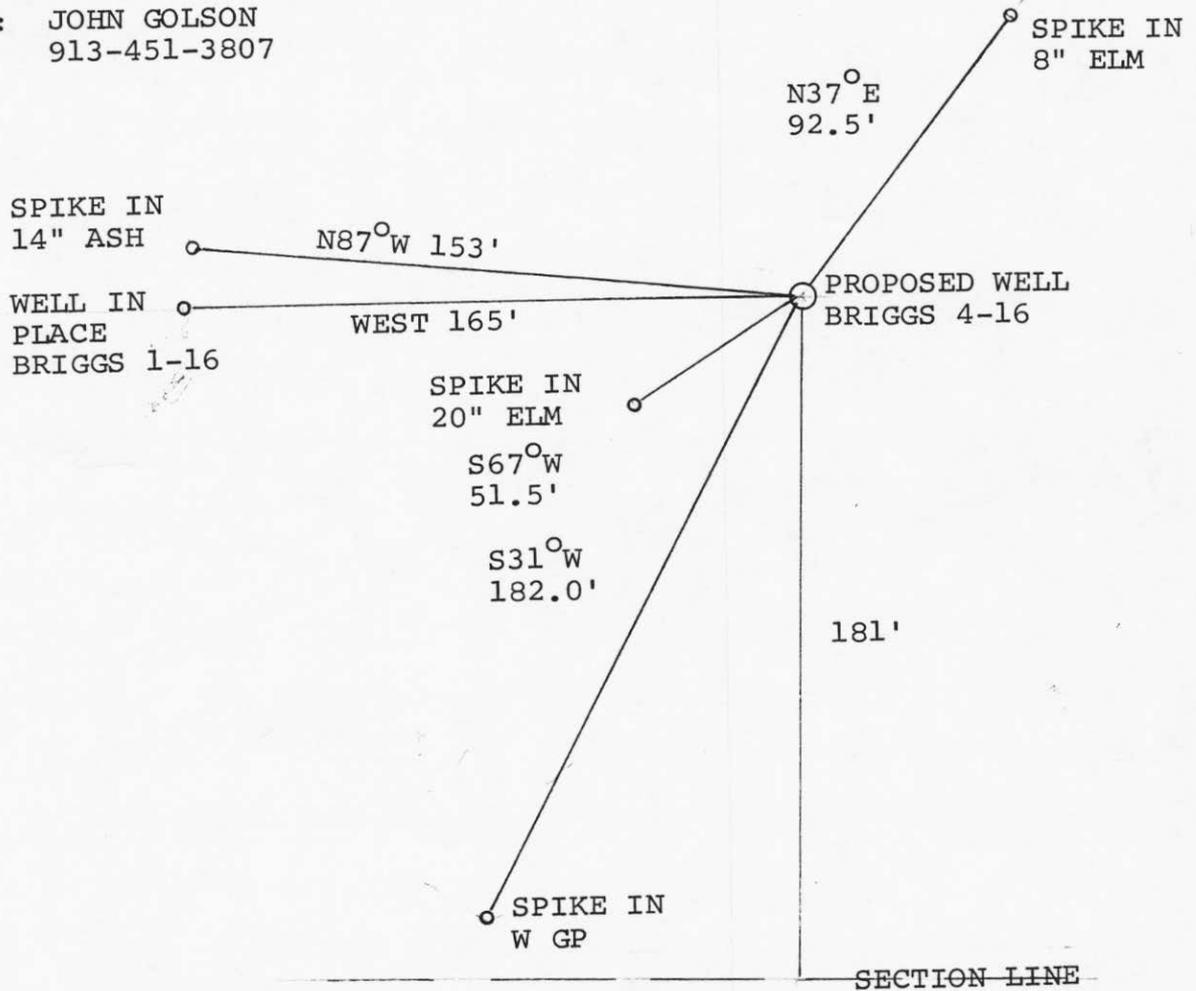
FOR: COLT ENERGY, INC.
4500 COLLEGE BLVD SUITE 308
OVERLAND PARK, KS 66211

ATTN: JOHN GOLSON
913-451-3807



1"=50'

MAG BRGS
8° EAST
DECL



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



LS-1539

Co. Road



1" = 400' ±

T40N R33W
Sheet 2 of 2
Well Location Map
Bates County Tax
Map 15-5

WILLIAM C. LETHCHO LS-1539
BATES COUNTY SURVEYOR
6-2-93

4
400 Ac.

Sec Line

181 ±
PROPOSED
BRIGGS 4-16
2035 ±

3 Sec Line
2000 Ac.
1680 Ac (c)

15
16
21
22

150 Ac
150 Ac (c)

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MO Oil & Gas Council

2.01
8.2 Ac.
7.4 Ac (c)

2.02



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

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

OWNER: **Colt Energy, Inc.** ADDRESS: **P.O. Box 388, Iola, KS 66749**

LEASE NAME: **Briggs** WELL NUMBER: **4-16**

LOCATION: **181FSL 2035FEL** SEC. TWP. AND RANGE OR BLOCK AND SURVEY: **16-40-33**

COUNTY: **Bates** PERMIT NUMBER (OGC-3 OR OGC-31): **20075**

DATE SPUDDED: **6-22-93** DATE TOTAL DEPTH REACHED: **6-23-93** DATE COMPLETED READY TO PRODUCE OR INJECT: **-----** ELEVATION (DF, RKR, RT, OR Gr.) FEET: **789** ELEVATION OF CASING HD. FLANGE: **-----** FEET

TOTAL DEPTH: **200** PLUG BACK TOTAL DEPTH: **Plugged**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **-----** ROTARY TOOLS USED (INTERVAL): **Surface 200** CABLE TOOLS USED (INTERVAL): **No**
DRILLING FLUID USED: **Native**

WAS THIS WELL DIRECTIONALLY DRILLED? **No** WAS DIRECTIONAL SURVEY MADE? **-----** WAS COPY OF DIRECTIONAL SURVEY FILED? **-----** DATE FILED: **-----**

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): **Drillers Log** DATE FILED: **7-29-93**

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 7/8	7"	17#	20'	6	-----

TUBING RECORD

LINER RECORD

SIZE IN.	DEPTH SET FEET	PACKER SET AT FEET	SIZE INCH	TOP FEET	BOTTOM FEET	SACKS CEMENT	SCREEN FEET
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
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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.)					
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	CALCULATED RATE OF PRODUCTION PER 24 HOURS		OIL bbls.	GAS MCF	WATER bbls.	GAS OIL RATIO

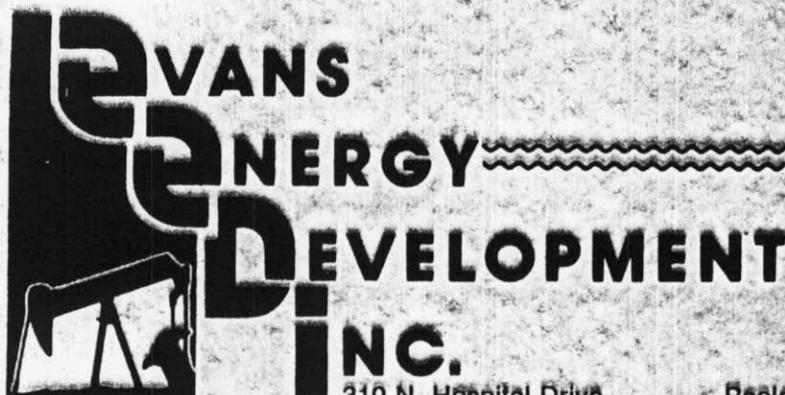
DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

METHOD OF DISPOSAL OF MUD PIT CONTENTS: **Pumped fluid out, pushed pit in**

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.

DATE: **7-30-93** SIGNATURE: *[Signature]*

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MO Oil & Gas Council



310 N. Hospital Drive

Paola, Kansas 66071

(913) 294-9083

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Custom
oil & gas
drilling
Lease Development

WELL LOG
Briggs - #4-16
Colt Energy, Inc.
Permit #20075
June 22 - June 23, 1993

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
9	soil & clay	9
12	lime	21
14	shale	35
5	lime	40
40	shale	80-black
19	lime	99
7	shale	106
1	lime	107
8	shale	115
1	coal	116
4	shale	120-light gray
2	silt & sand	122-gray & brown oil show
7	silty sand	129-gray, no show
20	shale	149
1	lime & shells	150
6	shale	156
1	lime & shale	157-silty shale & lime
3	shale & sand	160-gray silty shale & 10% gray sand seams
1	sand & shale	161-silty gray very slight bleeding sand & silty shale
1.1	sand & shale	162.1-laminated gray sand & gray shale, no show
2.9	sand	165-gray, fine grained, no bleed
.4	sand	165.4-brown, light bleeding
3.6	sand	169-good bleeding
.4	sand	169.4-looks limey, slight bleeding
.7	sand	170.1-limey, no bleeding
29.9	shale	200-TD

Set 20.0' of 7" T & C Surface Casing.

This well was plugged with cement from 200' to the surface.
on June 23, 1993, 12:00 noon to 1:00 p.m.

Lower Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>		<u>Min.</u>	<u>Sec.</u>		<u>Min.</u>	<u>Sec.</u>
162	1	35	167	1	20	172	1	55
163	1	10	168	1	15	173	1	50
164	1	10	169	1	15			
165	1	15	170	1	35			
166	1	15	171	1	55			



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

FORM OGC-7

OWNER Colt Energy, Inc.		ADDRESS P.O. Box 388, Iola, KS 66749			
NAME OF LEASE Briggs		WELL NUMBER 4-16	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER) 20075		
LOCATION OF WELL 181FSL 2035FEL		SEC. TWP. R. NG OR BLOCK & SURVEY 16-40-33		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 (BBL/DAY) _____ GAS (MCF/DAY) _____		DRY? Dry
DATE ABANDONED 6-23-93	TOTAL DEPTH 200	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBL/DAY) _____ GAS (MCF/DAY) _____		WATER (BBL/DAY) _____	
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	
Squirrel SS		Oil		161-170	
				Cement plugged well from 200' to surface using 29sxs 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"	20'	3'	17'	Cut surface	pipe off below plow depth.
WAS WELL FILLED WITH MUD-LADEN FLUID?			INDICATE DEEPEST FORMATION CONTAINING FRESH WATER		
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
NAME		ADDRESS		DIRECTION FROM THIS WELL	
				RECEIVED AUG 02 1993	
METHOD OF DISPOSAL OF MUD PIT CONTENTS		Pumped fluid out, pushed pit in			
		MO Oil & Gas Council			
NOTE	FILE THIS FORM IN DUPLICATE WITH (USE REVERSE SIDE FOR ADDITIONAL DETAIL)				
CERTIFICATE I, the undersigned, state that I am the <u>Agent</u> of the <u>Colt Energy, 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					DATE 7-30-93

STATION Ottawa OPERATOR Fred Mader

Ticket 85332

CONSOLIDATED OIL WELL SERVICES, INC.

P.O. Box 884
Chanute, Kansas 66720
Phone (316) 431-9210

Date <u>6-23-93</u>	Customer's Acct. No. <u>1828</u>	Sec. <u>16</u>	Twp. <u>40N</u>	Range <u>33W</u>	Well No. & Farm # <u>Briggs # 4-16</u>	Place or Destination <u>Amarok</u>
Charge To <u>Colt Energy Inc</u>			Owner <u>Evans Energy Dev</u>			County <u>Bates</u>
Mailing Address <u>P.O. Box 388</u>			Contractor <u>Evans Energy Dev</u>			State <u>Mo</u>
City & State <u>Tola, KS 66749</u>			Well Owner Operator Contractor			

CEMENTING SERVICE DATA

TYPE OF JOB	CASING	HOLE DATA	PLUGS AND HEAD	PRESSURE	CEMENT LEFT IN CASING
Surface	New	Bore Size <u>5 7/8</u>	Bottom	Circulating	Requested
Production	Used	Total Depth <u>200'</u>	Top	Minimum	Necessity
Squeeze	Size	Cable Tool	Head	Maximum	Measured
Pumping	Weight	Rotary <u>AIR</u>	FLOAT EQUIPMENT	Sacks Cement <u>29</u>	
Other	Depth			Type & Brand <u>Portland A-Por Mix</u>	
	Type			Admixes <u>10% Prem Gel</u>	

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of					
Bbls Fracturing Fluid	Breakdown Pressure from		psi to		psi	
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM	Close In
Sand	Gals. Treating Acid		Type		Open Hole Diameter	
Well Treating Through: Tubing	Casing	Annulus		Size	Weight	
Remarks:						
No. Perforations	Pay Formation Name			Depth of Job		Ft.

INVOICE SECTION

CEMENTING				FRACTURING - ACIDIZING			
Pumping Charge	<u>Plug 1 well</u>	Office \$		Pumping Charge		Office \$	
Pumping Charge	@	Use \$	<u>325.00</u>	Pumping Charge	@	Use \$	
<u>29</u> Sacks Bulk Cement	@ <u>5.25</u>		<u>152.25</u>	12x30 Sand	@		
Ton Mileage on Bulk Cement <u>65</u>	@		<u>60.00</u>	10x20 Sand	@		
<u>25x</u> Premium Gel	@ <u>6.90</u>		<u>13.80</u>	x Sand	@		
Flo-Seal	@			Ton Mileage	@		
Calcium Chloride	@			Gals., Acid	@		
Plug	@			Chemicals	@		
	@				@		
Equipment	@				@		
	@				@		
	@				@		
	@			Potassium Chloride	@		
	@			Rock Salt	@		
Granulated Salt	@			Water Gel	@		
Transport Truck (Hrs.)	@			Transport Truck (Hrs.)	@		
Vac Truck (Hrs.)	@			Vac Truck (Hrs.)	@		
<u>Rig water</u>	@				@		
		Tax	<u>10.63</u>				
Total			\$ <u>561.68</u>	Total			\$

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MO Oil & Gas Council

A Finance Charge computed at 1 1/4% per month (annual percentage rate of 21%) will be added to balance over 30 days.

136962