

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



## APPLICATION FOR PERMIT TO:

1. TYPE OF WORK

☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☐ COAL BED ☐ OTHER: \_\_\_\_\_SINGLE ZONE ☐ MULTIPLE ZONE ☐ COMMINGLE ZONES ☐Refilling ☐Sidetrack ☐

3. OGCC Operator Number: 91755

6. Contact Name &amp; Phone

4. Name of Operator: United States Exploration Inc

Dean Rogers

5. Address: 1560 Broadway Suite 1900

Phone: (303) 886-0186

City: Denver

State: CO Zip: 80202

Fax: (303) 863-1932

7. Well Name: LF Ranch

Well Number: 41-9

8. Unit Name (if appl.):

Unit No:

9. Proposed Total Depth: 7250'

## WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 9 Twp: 4N Rng: 63W Meridian: 6

Footage From Exterior Section Lines:

At Surface: 660' FNL 660' FEL

11. Field Name:

Field Number:

12. Ground Elevation: 4636

13. County: Weld

14. If well is: ☐ Directional ☐ Horizontal (Highly Deviated), submit deviated drilling plan.

Footage from Exterior Section Lines and Sec Twp Rng:

At Top of Production Zone:

At Bottom Hole:

15. Is location in a high density area (Rule 603b)? ☐ Yes ☒ No

16. Distance to nearest building, public road, above ground utility or railroad: 200+

17. Distance to Nearest Property Line: 200+ 18. Distance to nearest well completed in same formation: 1320+

19.

## LEASE, SPACING, AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
J Sand	JSDN		320	N/2
Codell	CDN		80	M/2

20. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_21. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ IndianIs the Surface Owner also the Mineral Owner? ☒ Yes ☐ No

Surface Surety ID #: \_\_\_\_\_

If No: ☐ Surface Owners Agreement Attached or ☒ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

23. Describe lease area associated only with the proposed well by QtrQtr, Sec, Twp, Rng (attach separate sheet/map if required):

N/2 Sec 9, 4N-63W

24. Distance to Nearest Lease Line: 660

25. Total Acres in Lease: 320

## DRILLING PLANS AND PROCEDURES

26. Approx. Spud Date: \_\_\_\_\_ NOTE: If air/gas drilling, notify local fire officials.

27. Drilling Contractor Number: \_\_\_\_\_ Name: Fort Drilling Phone #: \_\_\_\_\_

28. Is H2S Anticipated: ☐ Yes ☒ No If yes, attach contingency plan.29. Will salt sections be encountered during drilling? ☐ Yes ☒ No30. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? ☐ Yes ☒ No31. If questions 29 or 30 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No32. Mud disposal: ☒ Offsite ☐ OnsiteMethod: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility ☐ Other: \_\_\_\_\_

NOTE: The use of an earthen pit for recompletion fluids requires a pit permit (Rule 905b).

33.

## CASING AND CEMENTING PROGRAM

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12 1/4	8 5/8	24#	360' 620'	300	360' 620'	0'
Production	7 7/8	4 1/2	11.6#	7250'	200	7250'	6000'
	/	/					
	/	/					
Stage Tool							

34. BOP Equipment Type: ☒ Annular Preventor ☐ Double Ram ☐ Rotating Head ☐ None

35. Comments, if any:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Dean Rogers

Signed: Dean Rogers

Title: Engineer

Date: 10/16/02

OGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 11/16/02

API NUMBER

05-123-21188-00

Permit Number: 20021987

Expiration Date: 11/5/03

CONDITIONS OF APPROVAL, IF ANY:

NOTE SURFACE CASING DEPTH CHANGE.

CONTACT ED BINKLEY 48 HOURS PRIOR TO SPUD AT 970-506-9834.

COMPLY WITH COGCC RULE 317.i. AND PROVIDE 200 FT CEMENT COVERAGE

ABOVE THE NIOBRARA FORMATION. VERIFY COVERAGE WITH A CEMENT BOND LOG.

LOCATION: NE1/4 OF NE1/4 OF SEC. 9, T.4N., R.63W. (660 NSL, 660 ESL)

Ground Elevation: 4636

Number of Acres: 40

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	----	----	----	----	----	----	---
UPPER ARAPAHOE	----	----	----	----	----	----	---
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4385	4565	116.5	251	71	6.99	NNT

note: E indicates location is at aquifer boundary and values may be more approximate.



surf cs9 must be set  
50' below deepest  
permitted producing  
H2O well within AOR  
and 5% of total depth



[illegible]

**FOLD HERE**

REMARKS						Scale Changes			
Changes in Mud Type or Additional Samples						Type Log	Depth	Scale Up Hole	Scale Down Hole
Date	Sample No.								
Depth—Driller									
Type Fluid in Hole									
Dens.	Visc.								
ph	Fluid Loss								
Source of Sample							Equipment Data		
R <sub>m</sub>	@ Meas. Temp.	@ °F	@	°F	Run No.	Tool Type	Tool Position	Other	
R <sub>ml</sub>	@ Meas. Temp.	@ °F	@	°F					
R <sub>mc</sub>	@ Meas. Temp.	@ °F	@	°F					
Source: R <sub>ml</sub> R <sub>mc</sub>									
R <sub>m</sub>	@ BHT	1.67 @ 75 °F	@	°F					
R <sub>ml</sub>	@ BHT	1.23 @ 75 °F	@	°F					
R <sub>mc</sub>	@ BHT	@ °F	@	°F					
ONE									
Run No.:						NOT USED			
C.D.:						ZERO			
S.O.:						TRP 588 N			
Equip. PANEL No.:						TRC 520 F			
Used: CART. No.:						TRS 797 M			
SONDE No.:						HWTP 2T4 B			
IAP No.:									
S.B.R.:									
Check one, filling in blanks where applicable: <input checked="" type="checkbox"/> Surface determined sonde errors used for 6FF40. <input type="checkbox"/> 6FF40 sonde error corrected for _____ inch borehole signal at Rm = _____ feet. <input type="checkbox"/> 6FF40 zero set in hole at depth of _____ feet.									

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m <sup>2</sup> /m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms} \cdot \text{m}^2/\text{m}}$
<div style="text-align: center;"> <math>- \overbrace{20}^{\longleftrightarrow} +</math> </div>		A - 16" - M	6 FF40
	0	SHORT NORMAL 50	INDUCTION 1000
	0	500	2000 1000
	0	INDUCTION 50	
	0	500	
	0	AMP. SHORT NORMAL 10	



0 AMP. SHORT NORMAL 10

Casidy

0200  
**S**

0300

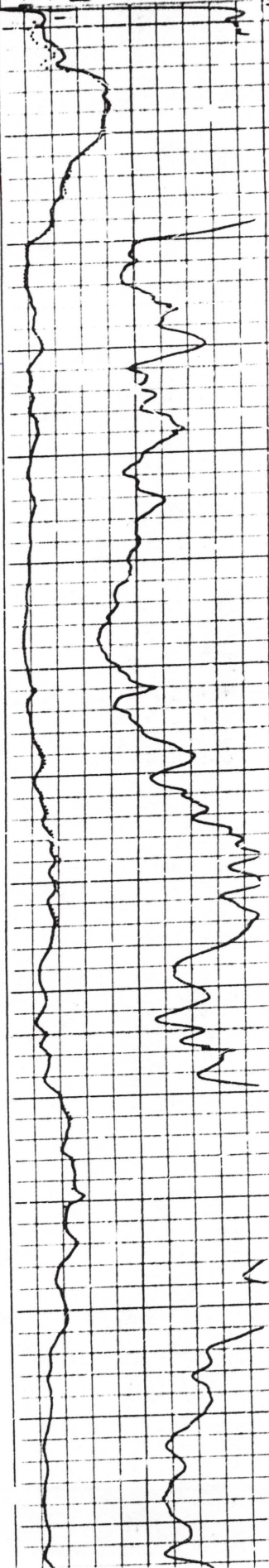
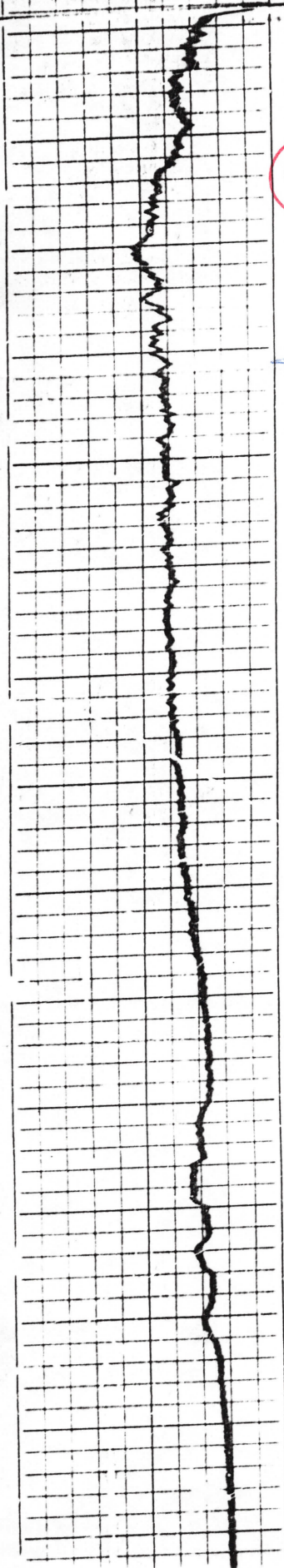
0400

0500

0600

0700

0800





**Colorado  
Oil & Gas Conservation Commission**

**COGCC Results**

**Selected Items Report**

Oil and Gas Wells Selected		
Filter Results by Formation <input type="button" value="Include"/>		CODL <input type="button" value="▲"/> DJSND <input type="button" value="▲"/> JSND <input type="button" value="▲"/> <input type="button" value="Filter"/>
WELL DESCRIPTION	LOCATION	WELL INFORMATION
05-123-10033, SMITH OIL PROPERTIES INC , 1-B RONALD	NESE 3 4N -63W (6)	Sidetrack TD Formation Status 00 7371 JSND PR
05-123-20839, CFG ENERGY, INC , 5-3 NHF-LAURA	SWNW 3 4N -63W (6)	Sidetrack TD Formation Status
05-123-20840, CFG ENERGY, INC , 6-3 NHF-LAURA	SENW 3 4N -63W (6)	Sidetrack TD Formation Status
05-123-20845, CFG ENERGY, INC , C-3 NHF - LAURA	CNW 3 4N -63W (6)	Sidetrack TD Formation Status
05-123-10864, SOVEREIGN ENERGY LLC , 1 CROISSANT	SWSW 3 4N -63W (6)	Sidetrack TD Formation Status 00 7094 JSND PR
05-123-12204, SOVEREIGN ENERGY LLC , 41-4 PARK	NENE 4 4N -63W (6)	Sidetrack TD Formation Status 00 7112 CODL PR
05-123-20862, SOVEREIGN ENERGY LLC , 14-4 WETCO FARMS	SWSW 4 4N -63W (6)	Sidetrack TD Formation Status
05-123-20880, CFG ENERGY, INC , 15-4 PARK-LAURA	SWSE 4 4N -63W (6)	Sidetrack TD Formation Status
05-123-20563, SOVEREIGN ENERGY LLC , 34-4 PARK	SWSE 4 4N -63W (6)	Sidetrack TD Formation Status 00 7200 JSND PR
05-123-20571, SOVEREIGN ENERGY LLC , 43-4 PARK	NESE 4 4N -63W (6)	Sidetrack TD Formation Status
05-123-20572, SOVEREIGN ENERGY LLC , 32-4 PARK	SWNE 4 4N -63W (6)	Sidetrack TD Formation Status
05-123-20286, SOVEREIGN ENERGY LLC , 23-4 WETCO FARMS	NESW 4 4N -63W (6)	Sidetrack TD Formation Status
05-123-20378, SOVEREIGN ENERGY LLC , #23-4 WETCO FARMS	NESW 4 4N -63W (6)	Sidetrack TD Formation Status 00 7200 JSND PR
05-123-12204, SOVEREIGN ENERGY LLC , 41-4 PARK	NENE 4 4N -63W (6)	Sidetrack TD Formation Status 00 7112 JSND PR
05-123-12209, ROCK OIL CORP , 13-4 ROTHE	NWSW 4 4N -63W (6)	Sidetrack TD Formation Status 00 7164 DJSND DA
05-123-07156, ENCANA OIL & GAS (USA) INC , 1 DUELL	NENE 8	Sidetrack TD Formation Status



	4N -63W (6)	00	7216 JSND	SI
05-123-10877, MONAHAN* REX , 1 CHAMPLIN	SESE 9 4N -63W (6)	Sidetrack TD Formation Status 00 6900 NBRR PR		
05-123-21074, UNITED STATES EXPLORATION INC , 32-9 LF RANCH	SWNE 9 4N -63W (6)	Sidetrack TD Formation Status		

Facilities Selected				
FACILITY DESCRIPTION	LOCATION	PIT INFORMATION		
		Type	Unlined	Status

Water Wells Selected					
Filter Results by Depth <input type="text" value="Greater than"/> <input type="button" value="Filter"/>					
WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=0007963, Permit=0015508-R-R, ALLARD CATTLE CO	SENE 3 4N-63W	70	50	70	GW
Receipt=9062243, Permit=0015506-R-, NATIONAL HOG FARMS INC	NWSE 3 4N-63W	40	28	40	GW
Receipt=9062245, Permit=0015508-R-, ALLARD CATTLE CO.	SWSE 3 4N-63W	54	0	0	GW
Receipt=9062247, Permit=0015510-R-, NATIONAL HOG FARMS INC	NWSW 3 4N-63W	63	40	23	GW
Receipt=0467603, Permit=0229985--, WETCO FARMS INC	NESW 4 4N-63W	630	400	630	GW
Receipt=0418624, Permit=0205640--, WETCO FARMS INC	SESW 4 4N-63W	230	135	215	GW
Receipt=9064686, Permit=0050924--, L F RANCH COMPANY	SWNE 9 4N-63W	196	0	0	GW



**Colorado  
Oil & Gas Conservation Commission****Division of Water Resources Well Information**

<b>Receipt:</b> 0467603	<b>Permit Rcvd:</b> 10/05/2000
<b>Well Name:</b>	
<b>Division:</b> 1	<b>County:</b> 62
<b>PermitNo:</b> 229985	<b>Permit Date:</b> 11/14/2000
<b>PermitRpl:</b>	<b>PermitSuf:</b>
<b>ActCode:</b> NP	<b>WD:</b> 1
<b>Basin:</b>	<b>MD:</b>
<b>Name:</b> WETCO FARMS INC	<b>Phone:</b> 8008947160
<b>Address:</b> C/O DREILING DRILLING CO INC P O BOX 638	
<b>City:</b> FORT MORGAN, CO 80701-	
<b>Meridian:</b> S	<b>Range:</b> 63 W
<b>Township:</b> 4 N	<b>Section:</b> 4
<b>S of Ute Line:</b>	<b>QTRQTR:</b> NESW
<b>CoordSNS:</b> 1340 S	<b>CoordSEW:</b> 2040 W
<b>SubDiv:</b>	<b>Lot:</b>
<b>Block:</b>	<b>Filing:</b>
<b>Aquifer 1:</b> GW	<b>Aquifer 2:</b>
<b>Elevation:</b>	<b>Depth:</b> 630
<b>Top Perf:</b> 400	<b>Bottom Perf:</b> 630
<b>Level:</b> 130	<b>Yield:</b> 3.75
<b>Case:</b>	<b>Irrigated Area:</b> 1.0ACRES
<b>Abdmt Req:</b> 0	<b>Acre Ft:</b>
<b>Use Codes:</b> 8 , 9	<b>Driller:</b> 1207
<b>Pump Inst:</b> 1207	<b>PI Date:</b> 01/18/2001
<b>Statute:</b> 6023	<b>Statute Code:</b>
<b>Statute Date:</b>	<b>Report Rcvd:</b> 01/18/2001
<b>Meter:</b> 0	<b>Related Well:</b>
<b>Well Suffix:</b>	<b>Repl Xref:</b>
<b>Well Const Rpt:</b>	<b>Beneficial Use:</b>
<b>Well Cmpl Date:</b> 01/05/2001	<b>Pump Inst Date:</b> 01/06/2001
<b>Logged:</b> 0	<b>Water Quality Data:</b> 0
<b>Proposed Depth:</b> 700	<b>Prop Yield:</b> 15.0
<b>Prop Yrly Appr:</b>	<b>Well Type:</b>
<b>Valid Permit:</b> 0	<b>Prmt Exp Notice:</b>
<b>Parcel Id:</b>	<b>Parcel Size:</b> 40.0
<b>Engineer:</b> MTT	<b>Last Transaction Code:</b> WA
<b>Last Tran:</b> 01/31/2001	<b>Last Update:</b> NLH
<b>Comment:</b> Square 40 acres in the NE1/4, SW 1/4. Greg Dreiling will drill into Pierre shale, as per phone conversation 11/13/00.	