

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☐

Refiling ☐
Sidetrack ☐

Document Number:

1774741

Plugging Bond Surety

20070074

3. Name of Operator: LARAMIE ENERGY II, LLC

4. COGCC Operator Number: 10232

5. Address: 1512 LARIMER ST STE 1000

City: DENVER State: CO Zip: 80202

6. Contact Name: WAYNE P. BANKERT Phone: (970)683-5419 Fax: (303)339-4399
Email: WBANKERT@LARAMIE-ENERGY.COM

7. Well Name: SAVAGE Well Number: 18-08C

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 9105

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 17 Twp: 7S Rng: 94W Meridian: 6

Latitude: 39.441426 Longitude: -107.918610

Footage at Surface: 1301 FNL/FSL FNL 245 FEL/FWL FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 7213 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 08/21/2009 PDOP Reading: 2.1 Instrument Operator's Name: GEORGE ALLEN

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1755 FNL 668 FEL FEL Bottom Hole: FNL/FSL 1755 FNL 668 FEL FEL
Sec: 18 Twp: 7S Rng: 94W Sec: 18 Twp: 7S Rng: 94W

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

17. Distance to the nearest building, public road, above ground utility or railroad: 1500 ft

18. Distance to nearest property line: 998 ft 19. Distance to nearest well permitted/completed in the same formation: 1292 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
WILLIAMS FORK ILES	WFILS	139-73	40	SENE

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20070076

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No

23b. If 23 is No ☒ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
 LOT 1, LOT 2, SWNE, SENE, SEC. 18 TWN. 7S, RNG. 94w 6TH PM

25. Distance to Nearest Mineral Lease Line: 458 ft 26. Total Acres in Lease: 133

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☒ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	26+8/5	16+3/1	0.25	40		40	0
SURF	12+1/4	8+5/8	32	1,000	350	1,000	0
1ST	7+7/8	4+1/2	11.6	9,105	750	9,105	

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments DRILLING WILL INCORPORATE A CLOSED MUD SYSTEM. NO VISIBLE IMPROVEMENTS WITHIN 200' OF THE WELLHEAD. THIS WELL IS PART OF PENDING LOCATION ASSESSMENT FOR THE SAVAGE 17-05 PAD. WELL IS INSIDE TIER II OF PROJECT RULISON.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

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

Signed: _____ Print Name: WAYNE P. BANKERT

Title: REGULATORY Date: 12/7/2009 Email: WBANKERT@LARAMIE-ENER

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 2/11/2010

API NUMBER

05 045 19140 00

Permit Number: _____ Expiration Date: 2/10/2012

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

1)24 HOUR SPUD NOTICE REQUIRED. E-MAIL: david.andrews@state.co.us 2)GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE 3)COMPLY WITH ALL DOE OFFICE OF LEGACY MANAGEMENT REQUESTS FOR SAMPLING AND ANALYSIS OF NATURAL GAS AND OTHER MATERIALS ASSOCIATED WITH DRILLING AND PRODUCTION. 4)CEMENT TOP VERIFICATION BY CBL REQUIRED. 5)FLOWBACK TO TANKS ONLY. SUBMIT A SECONDARY AND TERTIARY CONTAINMENT PLAN VIA SUNDRY NOTICE FORM 4 FOR THE TANKS. SUBMIT VIA EMAIL TO RULISON.SUBMITTAL@STATE.CO.US OBTAIN APPROVAL OF THE PLAN PRIOR TO FLOWBACK. 6)SPUD NOTICE MUST IDENTIFY IF THE WELL IS LOCATED IN TIER I OR TIER II OF THE APPROVED RULISON SAMPLING AND ANALYSIS PLAN. 7)OPERATOR SHALL PROVIDE COMPLETE WELL-SPECIFIC EMERGENCY CONTACT INFORMATION TO THE COGCC AREA ENGINEER IN THE SPUD NOTICE PRIOR TO SPUDDING THE WELL. 8)PRODUCED WATER FROM THIS LOCATION MAY NOT BE TRANSPORTED TO OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 9)DRILL SOLIDS AND CUTTINGS FROM THIS LOCATION MAY NOT BE TRANSPORTED TO, DISPOSED OF OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 10)A CLOSED LOOP MUD SYSTEM SHALL BE UTILIZED TO ENSURE CONTAINMENT OF ALL MATERIALS THAT HAVE BEEN IN CONTACT WITH DOWNHOLE STRATA AND FLUIDS. ALL CUTTINGS AND FRESH MAKE UP WATER STORAGE PITS SHALL BE LINED TO ENSURE CONTAINMENT. CONTOUR FEATURES, FRENCH DRAINS AND OTHER STORMWATER BMPs AS NECESSARY SHALL BE EMPLOYED TO ENSURE SITE INTEGRITY. 11)NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN ONE RIG WITHIN ONE MILE OF THE PROJECT RULISON BLAST SITE AT ANY GIVEN TIME AND NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN TWO RIGS WITHIN A THREE MILE RADIUS OF THE SITE AT ANY GIVEN TIME. THE TOTAL NUMBER OF RIGS ALLOWED BY ALL OPERATORS WITHIN THREE MILES OF THE SITE SHALL BE LIMITED TO FIVE AT ANY GIVEN TIME. 12)OPERATOR SHALL COMPLY WITH ALL PROVISIONS OF THE MOST RECENT COGCC APPROVED REVISION OF THE RULISON SAMPLING AND ANALYSIS PLAN. IN ADDITION TO THE PRODUCED WATER SAMPLING AND ANALYSIS OUTLINED IN SECTION 5.8 OF THE PLAN THE OPERATORS SHALL ALSO OBTAIN AND ANALYZE PRODUCED WATER SAMPLES ON WELLS DESCRIBED IN THE PLAN FOR CONSTITUENTS LISTED IN THE PLAN USING THE SPECIFIED METHOD WHERE APPLICABLE. 13)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 113 FEET DEEP.

1)24 HOUR SPUD NOTICE REQUIRED. E-MAIL: david.andrews@state.co.us 2)GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE 3)COMPLY WITH ALL DOE OFFICE OF LEGACY MANAGEMENT REQUESTS FOR SAMPLING AND ANALYSIS OF NATURAL GAS AND OTHER MATERIALS ASSOCIATED WITH DRILLING AND PRODUCTION. 4)CEMENT TOP VERIFICATION BY CBL REQUIRED. 5)FLOWBACK TO TANKS ONLY. SUBMIT A SECONDARY AND TERTIARY CONTAINMENT PLAN VIA SUNDRY NOTICE FORM 4 FOR THE TANKS. SUBMIT VIA EMAIL TO RULISON.SUBMITTAL@STATE.CO.US OBTAIN APPROVAL OF THE PLAN PRIOR TO FLOWBACK. 6)SPUD NOTICE MUST IDENTIFY IF THE WELL IS LOCATED IN TIER I OR TIER II OF THE APPROVED RULISON SAMPLING AND ANALYSIS PLAN. 7)OPERATOR SHALL PROVIDE COMPLETE WELL-SPECIFIC EMERGENCY CONTACT INFORMATION TO THE COGCC AREA ENGINEER IN THE SPUD NOTICE PRIOR TO SPUDGING THE WELL. 8)PRODUCED WATER FROM THIS LOCATION MAY NOT BE TRANSPORTED TO OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 9)DRILL SOLIDS AND CUTTINGS FROM THIS LOCATION MAY NOT BE TRANSPORTED TO, DISPOSED OF OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 10)A CLOSED LOOP MUD SYSTEM SHALL BE UTILIZED TO ENSURE CONTAINMENT OF ALL MATERIALS THAT HAVE BEEN IN CONTACT WITH DOWNHOLE STRATA AND FLUIDS. ALL CUTTINGS AND FRESH MAKE UP WATER STORAGE PITS SHALL BE LINED TO ENSURE CONTAINMENT. CONTOUR FEATURES, FRENCH DRAINS AND OTHER STORMWATER BMPs AS NECESSARY SHALL BE EMPLOYED TO ENSURE SITE INTEGRITY. 11)NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN ONE RIG WITHIN ONE MILE OF THE PROJECT RULISON BLAST SITE AT ANY GIVEN TIME AND NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN TWO RIGS WITHIN A THREE MILE RADIUS OF THE SITE AT ANY GIVEN TIME. THE TOTAL NUMBER OF RIGS ALLOWED BY ALL OPERATORS WITHIN THREE MILES OF THE SITE SHALL BE LIMITED TO FIVE AT ANY GIVEN TIME. 12)OPERATOR SHALL COMPLY WITH ALL PROVISIONS OF THE MOST RECENT COGCC APPROVED REVISION OF THE RULISON SAMPLING AND ANALYSIS PLAN. IN ADDITION TO THE PRODUCED WATER SAMPLING AND ANALYSIS OUTLINED IN SECTION 5.8 OF THE PLAN THE OPERATORS SHALL ALSO OBTAIN AND ANALYZE PRODUCED WATER SAMPLES ON WELLS DESCRIBED IN THE PLAN FOR CONSTITUENTS LISTED IN THE PLAN USING THE SPECIFIED METHOD WHERE APPLICABLE. 13)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 113 FEET DEEP.

PROJECT RULISON – DAVE NESLIN APPROVAL

PROJECT RULISON – DAVE NESLIN APPROVAL

PROJECT RULISON – DAVE NESLIN APPROVAL

Attachment Check List

Att Doc Num	Name	Doc Description
1637847	CORRESPONDENCE	LF@2395911 1637847
1637850	SURFACE AGRMT/SURETY	LF@2395916 1637850
1774742	WELL LOCATION PLAT	LF@2191910 1774742
1774743	TOPO MAP	LF@2191911 1774743
1774745	30 DAY NOTICE LETTER	LF@2191912 1774745
1774746	DEVIATED DRILLING PLAN	LF@2191913 1774746
1774748	LOCATION PICTURES	LF@2191923 1774748
2109558	CORRESPONDENCE	LF@2221048 2109558
400020386	FORM 2 SUBMITTED	LF@2196566 400020386
400042140	APD ORIGINAL	LF@2191909 400042140

Total Attach: 10 Files