

State of Colorado
Oil and Gas Conservation Commission

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

FOR OGCC USE ONLY

APPLICATION FOR PERMIT TO:

1. TYPE OF WORK
☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and

2. TYPE OF WELL

OIL ☐ GAS ☒ COAL BED ☐ OTHER: _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONES ☒Refilling ☐Sidetrack ☐

01200288

RECEIVED

Plugging Bond Surety ID#:

0062-0057

3. OGCC Operator Number: 100160

4. Name of Operator: EnCana Energy Resources Inc.

5. Address: 950 17th Street

City: Denver State: CO Zip: 80202

7. Well Name: Kortum

Well Number: 1-21

8. Unit Name (if Appl.):

Unit No:

9. Proposed Total Depth: 8650'

4. Contact Name & Phone

Pat Marx

Phone: 720-956-3667

Fax: 720-956-3600

Complete the
Attachment Checklist

	Op	OGCC
APD Original & 2 Copies		
Form 2A (Reclamation) & 1 Copy		
Permit Fee (\$200)		
Well Location Plat		
Copy of Topo Map		
Plugging Surety		
Mineral Lease Map		
Surface Agreement/Surety		
Pit Permit (Form 15)		
Deviated Drilling Plan		
Request for Exception Location		
Exception Location Waivers		
H2S Contingency Plan		
Federal Drilling Permit (1 Set)		
Notice to Surface Owner(s)	Yes	6600 B
Rule 306	Yes	
Sent Complete Permit Package to County		

WELL LOCATION INFORMATION

10. Qtr/Sec: C NW Sec 21 Twp: 1S Rng: 67W Meridian: 6h P.M.

Footage From Exterior Section Lines:

At Surface: 1321' FNL & 1322' FWL

11. Field Name: Wattenberg

Field Number: 90750

12. Ground Elevation: 5256'

13. County: Adams

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

Footages 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: 1322'

17. Distance to Nearest Property Line: 1321'

18. Distance to nearest well completed in same formation: ± 3300'

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.)
Niobrara	NBRR	407	80	N/2NW
Codell	CDL	407, 407-66	80	N/2NW
J Sandstone	JSND	232, 318A	320	N/2
Dakota	DKTA	499-1	320	N/2

20. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #:21. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ IndianIs the Surface Owner also the Mineral Owner?: ☒ Yes ☐ NoIf No: ☒ Surface Owners Agreement Attached or☐ \$25,000 Blanket Bond☐ \$2,000 Bond☐ \$5,000 Surface Bond

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

T1S-R67W, Section 21: NW4

24. Distance to Nearest Lease Line: 1321'

25. Total Acres in Lease: 160

DRILLING PLANS AND PROCEDURES

26. Approx. Spud Date: ASAP NOTE: * IF Air/Gas Drilling, Notify Local Fire Officials

27. Drilling Contractor Number: 14723

Name: Caza Drilling Inc.

Phone #: 303-292-1206

28. Is H₂S Anticipated: ☐ Yes ☒ No

If yes, attach contingency plan.

29. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling?

☐ Yes ☒ No

30. Will salt sections be encountered during drilling?

☐ Yes ☒ No

31. If questions 30 or 31 are yes, is this location in a sensitive area (Rule 903)?

☐ Yes ☒ No

32. Mud disposal:

☒ Offsite☐ Onsite

Method:

☒ Land Farming☐ Land Spreading☐ Disposal Facility

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

33. CASING AND CEMENTING PROGRAM

String	Hole Size	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12 1/4	8 5/8	24#	1500'	450	1500'	Surface
Production	7 7/8	4 1/2	11.6#	8650'	225	8650'	7300'

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

36. Comments, if any: Consultation according to Rule 306 has occurred.

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

Print Name: Cathi Boles

Signed: Cathi Boles

Title: Permitting/Regulatory Analyst

Date: 08/13/03

OGCC Approved: [Signature]

Director of COGCC

Date: 9/25/03

API NUMBER

05-001-09485-00

Permit Number:

20031654

Expiration Date:

9/24/04

CONDITIONS OF APPROVAL, IF ANY:

CONTACT LARRY ROBBINS 48 HOURS PRIOR TO SPUD AT 303-894-2100 x107.
COMPLY WITH COGCC RULE 317.i. AND PROVIDE 200 FT CEMENT COVERAGE ABOVE
THE NIOBRARA AND SUSSEX FORMATIONS. VERIFY COVERAGE WITH A CEMENT BOND LOG.

LOCATION: SE1/4 OF NW1/4 OF SEC. 21, T.1S., R.67W. (1321 NSL, 1322 WSL)

Ground Elevation: 5256

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	4710	4999	134.1	546	257	9.12	NNT
LARAMIE-FOX HILLS	4034	4302	224.7	1222	954	13.48	NT

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

**Colorado
Oil & Gas Conservation Commission**

COGCC Results
Selected Items Report


Oil and Gas Wells Selected		
Filter Results by Formation Include <input type="checkbox"/> DDKTA <input checked="" type="checkbox"/> JSND <input checked="" type="checkbox"/> NB-CD <input type="checkbox"/> Filter		
WELL DESCRIPTION	LOCATION	WELL INFORMATION
05-001-07494, H & R WELL SERVICES, INC. , 8 EHLE, JOHN	SWSW 15 1S -67W (6)	Sidetrack TD Formation Status 00 5230 SUSX PR
05-001-07513, TEXAS TEA LLC , 4 STATE OF COLORADO YB	SESE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5235 SUSX SI
05-001-07514, TEXAS TEA LLC , 5 STATE OF COLORADO YB	NESE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5161 SUSX SI
05-001-07515, TEXAS TEA LLC , 6 STATE OF COLORADO YB	NWSE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5200 SUSX SI
05-001-07479, TEXAS TEA LLC , 3 STATE OF COLORADO YB	SWSE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5242 SUSX SI
05-001-07579, STARLIGHT RESOURCES LLC , 4 STATE OF COLORADO	SENE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5228 SUSX SI
05-001-07680, H & R WELL SERVICES, INC. , 8 STATE OF COLORADO "YB"	SWNE 16 1S -67W (6)	Sidetrack TD Formation Status 00 5198 SUSX SI
05-001-07744, ENERGY SERVICE INVESTMENT CORP , 5 STATE OF COLORADO	SWSW 16 1S -67W (6)	Sidetrack TD Formation Status 00 5230 SUSX PR
05-001-08017, STARLIGHT RESOURCES LLC , 8 STATE OF COLORADO	NESW 16 1S -67W (6)	Sidetrack TD Formation Status 00 5267 SUSX SI
05-001-09466, KERR-MCGEE ROCKY MOUNTAIN CORP , 11-16 CENTRICOM STATE	NESW 16 1S -67W (6)	Sidetrack TD Formation Status
05-001-07908, ENERGY SERVICE INVESTMENT CORP , 6 STATE OF COLORADO	SWNW 16 1S -67W (6)	Sidetrack TD Formation Status 00 5210 SUSX PR
05-001-07934, STARLIGHT RESOURCES LLC , 7 STATE OF COLORADO	SESW 16 1S -67W (6)	Sidetrack TD Formation Status 00 5205 SUSX PA
05-001-09439, KERR-MCGEE ROCKY MOUNTAIN CORP , 6-16 HSR-STATE	CNW 16 1S -67W (6)	Sidetrack TD Formation Status 00 8669 DDKTA SI 00 8669 JSND PR
05-001-09467, MERIT ENERGY COMPANY , 44-17A MC ELWAIN	SESE 17 1S -67W (6)	Sidetrack TD Formation Status 00 8750 JSND PR
05-001-07828, STARLIGHT RESOURCES LLC , 15 MCELWAIN	SESW 17 1S -67W (6)	Sidetrack TD Formation Status 00 5308 SUSX PA
05-001-09467, MERIT ENERGY COMPANY , 44-17A MC ELWAIN	SESE 17 1S -67W (6)	Sidetrack TD Formation Status 00 8750 DDKTA TA
05-001-09424, MERIT ENERGY COMPANY , 34-17 MCELWAIN	SWSE 17 1S -67W (6)	Sidetrack TD Formation Status 00 8776 JSND PR 00 8776 DDKTA TA
05-001-08798, MERIT ENERGY COMPANY , 4 MCELWAIN	NWSE 17 1S -67W (6)	Sidetrack TD Formation Status 00 8560 JSND PR
05-001-09275, MERIT ENERGY COMPANY , 42-17 MCELWAIN	SENE 17 1S -67W (6)	Sidetrack TD Formation Status 00 8093 NB-CD PR
05-001-09388, BATAA OIL, INC. , 44-17 MCELWAIN	SESE 17 1S -67W (6)	Sidetrack TD Formation Status
05-001-09419, BATAA OIL, INC. , 24-17 MCELWAIN	SESW 17 1S -67W (6)	Sidetrack TD Formation Status
05-001-09420, MERIT ENERGY COMPANY , 44-17 MCELWAIN	SESE 17 1S -67W (6)	Sidetrack TD Formation Status

05-001-07755, STARLIGHT RESOURCES LLC , 14 MCELWAIN	NESE 17 1S -67W (6)	Sidetrack TD Formation Status 00 5230 SUSX SI
05-001-07595, STARLIGHT RESOURCES LLC , 11 MCELWAIN	NWSE 17 1S -67W (6)	Sidetrack TD Formation Status 00 5275 SUSX PR
05-001-07670, ENERGY SERVICE INVESTMENT CORP , 13 MCELWAIN	SENE 17 1S -67W (6)	Sidetrack TD Formation Status 00 5203 SUSX PR
05-001-06189, STARLIGHT RESOURCES LLC , 4 MCELWAIN	SESE 17 1S -67W (6)	Sidetrack TD Formation Status 00 5261 SUSX PR
05-001-07526, STARLIGHT RESOURCES LLC , 9 MCELWAIN	SWSE 17 1S -67W (6)	Sidetrack TD Formation Status 00 5300 SUSX PR
05-001-07327, STARLIGHT RESOURCES LLC , 6 MCELWAIN	NWNE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5300 SUSX PR
05-001-06899, HABERSHAM ENERGY COMPANY , 4 AYLOR, MABEL	NWSE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5293 SUSX PA
05-001-06954, U S MINERAL & ROYALTY CORP , 3 GINTHER	NESW 20 1S -67W (6)	Sidetrack TD Formation Status 00 5296 SUSX PA
05-001-09421, BATAA OIL, INC. , 31-20 MCELWAIN	NWNE 20 1S -67W (6)	Sidetrack TD Formation Status
05-001-08799, MERIT ENERGY COMPANY , 5 MCELWAIN	SWNE 20 1S -67W (6)	Sidetrack TD Formation Status 00 8625 JSND PR
05-001-06628, SMITH ENERGY CORP , 1 AYLOR, MABEL	SESE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5307 SUSX PR
05-001-07053, SMITH ENERGY CORP , 2 AYLOR	SWSE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5291 SUSX PR
05-001-07287, ENERGY SEARCH COMPANY , 1 GINTHER	NENW 20 1S -67W (6)	Sidetrack TD Formation Status 00 5370 SUSX PR
05-001-07174, STARLIGHT RESOURCES LLC , 3 MCELWAIN	SENE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5302 SUSX PR
05-001-07298, ENERGY SEARCH COMPANY , 2 GINTHER	SENE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5332 SUSX PR
05-001-08015, STARLIGHT RESOURCES LLC , 17 MARK MCELWAIN	SWNE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5317 SUSX PR
05-001-08016, STARLIGHT RESOURCES LLC , 18 MARC MCELWAIN	NENE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5297 SUSX SI
05-001-06896, SMITH ENERGY CORP , 3 AYLOR	NESE 20 1S -67W (6)	Sidetrack TD Formation Status 00 5230 SUSX PR
05-001-06887, K P KAUFFMAN COMPANY INC , 2 KORTUM "A"	SWNE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5300 SUSX SI
05-001-06774, H & R WELL SERVICES, INC , 1 DAMSTEDT	SWSW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5298 SUSX PR
05-001-07318, U S MINERAL & ROYALTY CORP , 3 DAMSTEADT	NESW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5275 SUSX PA
05-001-07055, ENERGY SEARCH COMPANY , 1 JONES	SWSE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5160 SUSX PR
05-001-07064, ENERGY SEARCH COMPANY , 2 JONES	NWSE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5270 SUSX PR
05-001-07065, ADAMS COUNTY , 4 JONES	NESE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5250 SUSX PA
05-001-07066, ENERGY SEARCH COMPANY , 3 JONES	SESE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5170 SUSX PR
05-001-07083, ADAMS COUNTY , 1 KORTUM	SWNW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5260 SUSX PA
05-001-07084, ADAMS COUNTY , 2 KORTUM	SENE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5227 SUSX PA
05-001-07085, ENERGY SEARCH COMPANY , 3 KORTUM	SENE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5186 SUSX PR

05-001-07086, ADAMS COUNTY , 4 KORTUM	NENW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5261 SUSX PA
05-001-07087, ENERGY SEARCH COMPANY , 5 KORTUM	NWNW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5318 SUSX PR
05-001-07088, ADAMS COUNTY , 6 KORTUM	NWNE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5260 SUSX DA
05-001-07008, H & R WELL SERVICES, INC , 2 DAMSTEDT	SESW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5263 SUSX PR
05-001-06275, ENCANA ENERGY RESOURCES INC. , 1 KORTUM	NENE 21 1S -67W (6)	Sidetrack TD Formation Status 00 8460 JSND PR
05-001-06190, ENERGY SEARCH COMPANY , 7 KORTUM	NENE 21 1S -67W (6)	Sidetrack TD Formation Status 00 5254 SUSX PR
05-001-07319, H & R WELL SERVICES, INC , 4 DAMSTEDT	NWSW 21 1S -67W (6)	Sidetrack TD Formation Status 00 5282 SUSX PR
05-001-07107, BERRY ENERGY INC*WALTER BERRY , 1 WOLFE, PHYLLIS	NWNW 22 1S -67W (6)	Sidetrack TD Formation Status 00 5016 SUSX PR
05-001-07118, HABERSHAM ENERGY COMPANY , 1 HENDERSON	NWSW 22 1S -67W (6)	Sidetrack TD Formation Status 00 5275 SUSX PR
05-001-07133, ADAMS COUNTY , 2 WOLFE, PHYLLIS	SWNW 22 1S -67W (6)	Sidetrack TD Formation Status 00 5172 SUSX PR
05-031-06850, U S MINERAL & ROYALTY CORP , 1 TSUZUKI	NWNE 28 1S -67W (6)	Sidetrack TD Formation Status 00 5205 SUSX PA
05-001-06794, BERRY ENERGY INC*WALTER BERRY , 2 HARDAWAY	NWNW 28 1S -67W (6)	Sidetrack TD Formation Status 00 5293 SUSX SI
05-001-06817, ENERGY SEARCH COMPANY , 3 HARDAWAY, ROBERT	NENW 28 1S -67W (6)	Sidetrack TD Formation Status 00 5262 SUSX SI
05-001-06638, SMITH ENERGY CORP , 1 SELBY	NENE 29 1S -67W (6)	Sidetrack TD Formation Status 00 5237 SUSX PR

Facilities Selected		
FACILITY DESCRIPTION	LOCATION	PIT INFORMATION
		Type Unlined Status

Water Wells Selected

Filter Results by Depth Greater than 		<input type="button" value="Filter"/>			
WELL DESCRIPTION	LOCATION	WELL INFORMATION			
		Depth	Top Perf	Bottom Perf	Aquifer
Receipt=0427307, Permit=0049680-F-, TODD CREEK METRO DIST #1	SWSW 15 1S-67W	1,080	850	1,080	KLF
Receipt=0430191, Permit=0050476-F-, TODD CREEK METRO DISTRICT #1	SWSW 15 1S-67W	0	0	0	KA
Receipt=0084347B, Permit=0007202-AD-, SCHAEFER MONNIE J.	SENW 16 1S-67W	0	0	0	GW
Receipt=0498329A, Permit=0059155-F-, EQUINOX GROUP LLC	NESE 16 1S-67W	0	0	0	KLF
Receipt=0475111A, Permit=0055841-F-, EQUINOX GROUP LLC	NESE 16 1S-67W	0	0	0	KLF
Receipt=0401473, Permit=0197390--, DIMIG DONALD D	NESE 16 1S-67W	400	80	400	LKA
Receipt=0392634, Permit=0192121--, DIMIG DONALD D	NWSE 16 1S-67W	0	0	0	LKA
Receipt=0475111B, Permit=0055840-F-, EQUINOX GROUP LLC	NWSE 16 1S-67W	0	0	0	KLF
Receipt=0498329C, Permit=0059157-F-, EQUINOX GROUP LLC	NWSE 16 1S-67W	0	0	0	KLF
Receipt=0498329B, Permit=0059156-F-, TODD CREEK FARMS LLC	SWSW 16 1S-67W	0	0	0	KA
Receipt=0109130, Permit=0110967--, NIELSEN CONST	SWSW 16 1S-67W	0	0	0	GW
Receipt=0433681, Permit=0014448-F-R, HIGH PLAINS WATER USERS ASSOC	NESE 20 1S-67W	1,200	975	1,180	KLF
	NESE 20				

Receipt=9004082, Permit=0057278--, SEYMOUR RAYMOND T JR	1S-67W	457	0	0	GW
Receipt=0039234, Permit=0039234-MH-, KAUFMAN & BROAD OF COLORADO	NESW 20 1S-67W	0	0	0	GW
Receipt=9003522, Permit=0035562--, NEWMAN RAY	NENE 21 1S-67W	0	0	0	GW
Receipt=0454126, Permit=0223129--, MERRITT EVERETT T	SESE 21 1S-67W	1,085	885	1,085	KLF
Receipt=0456059, Permit=0224203--, BANISTER MARC & KAREN	SWSE 21 1S-67W	1,085	910	1,085	GW
Receipt=0099321, Permit=0102878--, DAMSTEDT GEORGE	NWSW 21 1S-67W	0	0	0	GW
Receipt=0424454, Permit=0049566-F-, DAMSTEDT ENTERPRISES LLP	SESW 21 1S-67W	0	0	0	KLF
Receipt=0203739A, Permit=0025349-F-, CARLSON CLARKE D	SWNW 22 1S-67W	0	0	0	KLF
Receipt=0203739B, Permit=0031061-F-, CARLSON CLARKE D	NWSW 22 1S-67W	0	0	0	KA
Receipt=0376420H, Permit=0184086--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,060	920	1,060	KLF
Receipt=0376420I, Permit=0184087--, STRASHEIM LARRY & CONNIE	NWSW 22 1S-67W	1,080	935	1,080	KLF
Receipt=0376420J, Permit=0184088--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,140	880	1,140	KLF
Receipt=0024400, Permit=0024400-MH-, BOSTON FARMS SUBDIVISION	NWSW 22 1S-67W	1,140	880	1,140	GW
Receipt=0413224, Permit=0202165--, GIACOMINO JEFF & LORI	NWSW 22 1S-67W	1,086	954	1,086	KLF
Receipt=0376420P, Permit=0184094--, GIACOMINO JEFF & LORI	NWSW 22 1S-67W	0	0	0	KLF
Receipt=0376420Q, Permit=0184095--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,080	957	1,080	KLF
Receipt=0376420R, Permit=0184096--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,060	918	1,060	KLF
Receipt=0376420S, Permit=0184097--, VILLAVA RICHARD & JOSIE	NWSW 22 1S-67W	1,085	915	1,085	GW
Receipt=0376420T, Permit=0184098--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,060	934	1,060	KLF
Receipt=0463220, Permit=0227657--, BAYER RAYMOND	NWSW 22 1S-67W	1,140	900	1,140	KLF
Receipt=0376420K, Permit=0184089--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	0	0	0	KLF
Receipt=0376420L, Permit=0184090--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,100	920	1,100	KLF
Receipt=0376420M, Permit=0184091--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,080	928	1,080	KLF
Receipt=0376420N, Permit=0184092--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,080	960	1,080	KLF
Receipt=0376420O, Permit=0184093--, CARLSON LEE S TRUSTEE	NWSW 22 1S-67W	1,080	960	1,080	KLF