

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

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



Document Number:

400210265

Date Received:

10/07/2011

PluggingBond SuretyID

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

Refiling ☐

Sidetrack ☐

3. Name of Operator: DAN A HUGHES COMPANY LP

4. COGCC Operator Number: 10346

5. Address: PO DRAWER 669

City: BEEVILLE State: TX Zip: 78104

6. Contact Name: Robert Holder Phone: (361)358-3752 Fax: (361)362-2839
Email: rholder@dahughes.net

7. Well Name: DAHC-San Francisco Creek #1 Well Number: 1

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

9. Proposed Total Measured Depth: 6600

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 24 Twp: 39N Rng: 5E Meridian: N

Latitude: 37.607890 Longitude: -106.377440

Footage at Surface: 1756 feet FNL/FSL 2546 feet FEL/FWL FEL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 8552 13. County: RIO GRANDE

14. GPS Data:

Date of Measurement: 05/05/2010 PDOP Reading: 2.3 Instrument Operator's Name: Clayton Rosenlund

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

Footage at Top of Prod Zone: FNL/FSL _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____

Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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: 446 ft

18. Distance to nearest property line: 448 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3276 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.)
Dakota	DKTA			
Morrison	MR-SN			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC69530

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

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

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):

T39N, R5E; Sec 13 SWSE, SESW; Sec 24 W2E2, E2W2; Sec 25 E2NW, NESW

25. Distance to Nearest Mineral Lease Line: 1280 ft

26. Total Acres in Lease: 520

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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	20	16		0	80			
SURF	12+1/4	9+5/8	36#	0	1,100	456	1,100	0
1ST	7+7/8	5+1/2	17#	0	6,600	890	6,600	0

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

33. Comments THIS IS A SPLIT ESTATE LOCATION. THE BLM HAS LEASED THE MINERAL ESTATE TO THE DAN A. HUGHES COMPANY, WHO OWNS THE SURFACE ESTATE AND IS ALSO THE OPERATOR. OPERATOR WILL BE USING A CLOSED LOOP SYSTEM ON THIS WELL. CUTTINGS WILL BE DISPOSED OF PROPERLY.

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: TERRI HARTLE

Title: REGUALTORY ANALYST Date: 10/7/2011 Email: terri.hartle@westernls.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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:  Director of COGCC Date: 6/8/2012

API NUMBER

05 105 06018 00

Permit Number: _____ Expiration Date: 6/7/2014

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.

Deep Fresh Water Aquifer Concerns

Area residents, county officials and other water resources stakeholders have reasonably demonstrated and expressed concern for and the likelihood of exposure deep fresh water aquifers while drilling this prospect. Conditions of permit approval will reflect those demonstrated concerns. Deviations from the conditions of approval must have substantial proof

to support them and must be approved by any one of the following COGCC personnel:

Regional Engineer (Mark Weems)
Supervising Engineer (David Andrews)
Engineering Manager (Stuart Ellsworth).

Highlights/Components to Engineering Conditions of Permit Approval (COA's)

1. Notices
2. Surface casing set @ 1100' and cement to surface. Deepest fresh water well within 1 mi radius=302'
3. Report surface casing cement pumping pressure prior to bumping the plug and include cement volume, density, & yield and how many bbls of cement circulated to surface
4. Formation Integrity test 50' below surface casing shoe; test to 10 ppg mud equivalent
5. Bottom hole pore pressure design condition= 0.520 psi/ft
6. Casing change scenarios
7. Casing cementing scenarios
8. Cement bond or cement evaluation logs
9. Temperature survey
10. Resistivity logs
11. Porosity logs
12. Drilling mud reserve volumes on hand
13. Empty tank/pit reserve capacity for unexpected mud discharges from the well
14. Dry hole plug and abandon design and procedure

ENGINEERING CONDITIONS OF PERMIT APPROVAL (COA's)

COGCC CONTACTS:

Engineer – Mark Weems
970-259-4587 off
970-749-0624 cell
mark.weems@state.co.us

Inspector – Steve Labowskie
970-259-0945 off
970-946-5073
steve.labowskie@state.co.us

Provide contacts with seventy-two (72) hour notice of spud & include:

Operator Name
Well Name and Number
API #
Legal Location
Spud Date
Name of rig supervisor
Phone number of rig supervisor
Email address of rig supervisor

Also and in addition to, provide the COGCC-Denver a 48 hour notice of spud via form 42

Provide COGCC contacts with:

Daily drilling reports & Pason/Drilling parameters or equivalent data
At least three (3) hours notice of BOP test and casing seating depths

Casing Design & Implementation

Surface Casing

The surface casing is designed to be set at 1100' and cemented to surface. This is deemed adequate. The deepest water well within a mile radius (relative to sea level) is 302' deep and is located in NWSW 18 39N 6E.

While cementing surface casing, report surface pumping pressures near the conclusion of the job or just prior to bumping the plug at the float collar. Report cement volume (cu ft), cement density (ppg), cement yield (cu ft/sk), and bbls of cement circulated to pit. If top cementing is required, report cement data on daily drill report. In all cases submit cementing contractor's job summary with form 5- Drilling and Completion Report.

Perform formation integrity test (FIT) to 10 ppg mud equivalent after drilling 50' of formation below surf csg shoe.

Assumed bottom hole pore pressure is 0.52 psi/ft or 3432 psi at a depth of 6600'.

Example:

Surface casing set @ 1100'; well drilled out 50' from surface casing shoe; mud weight = 8.33 ppg or .433 psig/ft; surface test pressure = $0.052(10.0 \text{ ppg} - 8.33 \text{ ppg})(1150') = 100 \text{ psi}$

FIT results must be noted on daily reports. Pressure losses exceeding 15 percent after 15 minutes will require remedial wellbore sealing and retest or running and cementing intermediate casing to surface (1st consult w/ COGCC SW Regional Engineer).

Subsequent Casing Strings

Tentative Intermediate Casing

The need may arise to run intermediate casing; so, operator must have the capability of running alternate casing and on location within 24 hours. Provide COGCC contacts with the name and phone numbers of the casing supplier having at least 4000' of 7" O.D. casing and 2800 feet of 4 ½" O. D. casing on hand.

Criteria to run intermediate casing shall include but not be limited to the following;

A failed formation integrity test after drilling out 50 feet from the surface casing shoe

A cement pill (plug) or equivalent is used to seal a mud thief zone at depths between 4000'- 1100'

Hard to control water flows

The minimal clearance allowed between the outside of the widest part of the casing (collar) and the inside of the next casing (inside drift) or wellbore & hole must be no less than 0.42 inches when measured on any radius from the center of the casing.

Any intermediate casing run and in all cases where intermediate casing is run, the intermediate casing will extend to surface and be cemented to surface. While cementing intermediate casing, report surface pumping pressures near the conclusion of the job or just prior to bumping the plug at the float collar. Report cement volume (cu ft), density (ppg) and yield (cu ft/sk) and bbls of cement circulated to pit. Submit a copy of the cementing contractor's job summary. Intermediate casing must have a temperature survey run within 24 hours of cementing even if it has been cemented in place. A cement bond log (CBL) may be substituted in place of a temperature log. Submit two copies to COGCC-Denver (see rule 308A).

If intermediate casing is run, then the 4 ½" casing may be a liner (casing not run to surface) and must overlap the intermediate casing shoe by a minimum of 200 feet. The liner must be cemented from top to bottom.

A cement bond log is required on both the 4 ½" liner and 7" intermediate casing and must be run from the 4 ½" liner casing shoe, into the 7" intermediate casing and onto surface. Submit two (2) copies to the COGCC-Denver (see rule 308A).

In the event the operator chooses to run the production casing to surface with intermediate casing cemented in place, then the operator must run a temperature survey on the intermediate casing within 8-24 hours of cementing the intermediate casing to surface. A cement bond log may be substituted. Cement behind the production casing must overlap the intermediate casing shoe by a minimum of 200 feet. A cement bond log (CBL) is required to be run on the production casing.

Production Casing and No Intermediate Casing

A cementing DV stage tool or external packers are recommended on the production casing cement job if no intermediate casing is installed. If the cement top on the production casing does not circulate to surface and remain at surface, then remedial cement work will be assessed and decided upon. Report the cement pumping pressures at the conclusion of the job or just prior to bumping the plug on the float collar. Report the cement volume (cu ft), density (ppg) and yield (cu ft/sk) and bbls of cement to pit. Submit one (1) copy of the cementing contractor's job summary. Submit two (2) copies of the cement bond log (CBL) (see rule 308A).

Additional Conditions of Permit Approval - Logging

Run temp survey 8-24 hours after cementing intermediate casing. Temperature survey is mandatory on intermediate casing and may be substituted with a cement evaluation log. Submit two (2) copies to COGCC-Denver (see rule 308A).

Run resistivity logs from MTD to base of intermediate casing; otherwise, to the base of the surface casing if no intermediate casing is run. Submit two (2) copies to COGCC-Denver (see rule 308A).

Run porosity logs from MTD to surface. Submit two (2) copies to COGCC-Denver (see rule 308A).

Additional Conditions of Permit Approval - Mud Program

Mud losses exceeding 20 bbls in any one incident must be noted on daily reports

In addition to mud used during drilling operator to have a minimal additional 500 bbls of mixed mud reserve in tanks and on location ready to go in a moment's notice.

A minimal of 500 bbls of water reserve in tanks and on location w/ dry mud materials and additives on hand ready for mixing up 500 bbls of additional mud reserve

If the well is drilled without an earthen reserve pit, then have enough empty tanks on site to hold 500 bbls of mud.

Have dirt contractor located and available to dig a pit if well kick is likely to exceed 500 bbls of tank empty tank capacity on location.

Additional Conditions of Permit Approval - CEMENT ASSESSMENT

Scenario 1

Casing and cement as per approved APD (surface casing + production casing run & cemented to surface)

Run radial CBL or cement evaluation tool capable of identifying cement channels from MTD to surface on the production casing.

Scenario 2

7" intermediate casing and 4 ½" production casing (liner); the 4 ½" liner must overlap the intermediate casing a minimum of 200 feet

Run radial CBL or cement evaluation tool capable of identifying cement channels from MTD to surface on both the intermediate casing and production liner.

Scenario 3

Intermediate & production casing to surf

Run temp survey on intermediate casing and radial CBL on production casing from casing shoe to surface

For All and any other Scenario

Report Braden head pressure 24 hrs after cementing next casing string and again prior to perforating pay zone

Submit copy of all logs run to COGCC Denver office

Submit copy of cementing contractor's job log to COGCC Denver office for all casings

Dry Hole – Plug and Abandonment Procedure

100' cement plug above T/Dakota & tag

100' cement plug above T/Mancos & tag

100' cmt plug above each zone with hydrocarbon shows & tag

100' cmt plug above any water flows & tag

100' cmt plug 50' below surf casing shoe & tag (perforate & squeeze if intermed or prod csg is present)

100' cmt plug 550'-450' tag unnecessary if csg press tests ok

50' surf cmt plug

Cut casing off 4' below grade and install PA marker (above or below ground-check with landowner)

PA marker to include, operator name, well name & number, legal location, API #, date plugged

Attachment Check List

Att Doc Num	Name
1792360	LEASE MAP
1792388	OTHER
1792391	OTHER
1857245	SELECTED ITEMS REPORT
2034391	CORRESPONDENCE
2034392	CORRESPONDENCE
2034393	CORRESPONDENCE
2034394	CORRESPONDENCE
2034396	CORRESPONDENCE
400210265	FORM 2 SUBMITTED
400212548	SURFACE PLAN
400212550	OTHER
400212551	TOPO MAP
400212553	WELL LOCATION PLAT
400212554	CONST. LAYOUT DRAWINGS
400212555	LOCATION DRAWING
400212931	MINERAL LEASE MAP
400214874	DRILLING PLAN

Total Attach: 18 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed.	3/7/2012 5:46:37 AM
OGLA	All Conditions of Approval (COAs) attached to the Form 2A#400211669 must be implemented for this Form 2.	3/6/2012 5:53:16 PM
OGLA	Initiated OGLA Form 2A review on 02-16-12 by Dave Kubeczko/Completed OGLA Form 2A review on 01-24-12 by Dave Kubeczko; requested clarifications and acknowledgement of water resources protection, general site protection, and nearby residential protection COAs from operator on 01-24-12; received clarifications and acknowledgement of COAs from operator on 01-30-12; CPW, BLM, operator, LGD onsite inspection conducted on 11-04-11; passed by CPW on 11-17-11 with wildlife recommendations to be provided to the BLM during the Federal APD review process; addressed LGD and public comments from 11-11-11 on 06-06-12 (email correspondence is attached); passed OGLA Form 2A review on 06-06-12 by Dave Kubeczko; water resources protection, general site protection, and nearby residential protection COAs.	3/6/2012 5:37:11 PM
Permit	Received new lease map from the operaor reflects the same 520 acres that is stated in the lease description. Operator gave authorization to show 520 on both the form 2 and form 2A. BY	11/14/2011 1:52:54 PM
Permit	Clarification of difference between 440 acres (map) and 520 acres (description) in lease, via email to Terri Hartle of Western Land Services. BY	11/14/2011 8:44:14 AM

Public	<p>COMMENT NO. 1</p> <p>San Francisco Creek Ranch OG APP for Permit</p> <p>-On the application for permit the box for salt was marked NO. My question based on the visit to the LOT #46 Friday 11-4-11, while COGCC, BLM, COUNTY and other representatives looked the lot over, was the subject brooched of a salt issue?</p> <p>-The restaking due to late filing for the application, is it only necessary to tie new ribbons on the old stakes? (orange to blue)</p> <p>-Also due to the amount of usage by the Antelope on this property, as you saw on the Friday visit mentioned, how will you prevent driving this very present herd off? No resident has so far caused an absence of this herd, OG should not cause absence. How will this be handled?</p> <p>-Is a pass on the application a known fact with the COGCC, based on the mineral rights being Federal, BLM? and how closely will the BLM the COGCC and the County work together?</p> <p>-Since Mark Weems has pass by his part in this application, does this mean the outside proffesionals from the area were contacted and used as complete representation of this very delicate matter?</p> <p>-How will you make reply to the Comments, giving answers?</p> <p>Thank You.</p>	<p>11/13/2011 5:39:22 PM</p>
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Public	<p>COMMENT NO. 2</p> <p>The above application for Oil and Gas from Hughs Oil should be denied for the following:</p> <ul style="list-style-type: none"> -I will enumerated several factual reasons below that Hughs carelessly misrepensented, and the first fact being if the Hughs company cannot send in a correct application on it's face without gross misrepresentations of fact, then the whole application should be thrown out until they can answer the questions correctly. Every governing body abides by this rule. -The water/aquifer should be marked as highly sensitive because of riparian area within feet of the site, endangered species within proximity. -County Road 13 is not an industrial type road unable to support heavy truck traffic without dust pollution. -CR 13 goes directly through a school crossing zone with heavy student foot traffic. Heavy trucks and semi's hauling 8,000 gallons of water weighting 30k to 80k GVW do not mix with foot traffic on a daily basis. -CR 13 is a one way access only for fire and ER vehicles --SLV has very limited Hasmat Spill assistance and with only two suits in the SLV..and chemicals used by Hughs can remain unidentified and a danger to responders. -Only one way out for residents and school in the event of a fire or chem. spill -Hughs did not correctly list the land site as Rural Residential, they listed it as Rangeland. This land is much different than the Eastern Plains rangeland. -Hughs bought a private lot in SFC subdivision and signed covants agreeing to no commerical use. The covenants are a legal filing and require specific clauses concerning no business use. -Hughs lists no impact on wildlife. This area is a wildlife preserve that has many, many species of sensitive and endangered wildlife and fish and birds. -Hughs said on the application they would obtain water from the City of Monte Vista.. Monte Vista City Manager has no agreement with them as of this date. This is fabrication. --To my knowledge this is a wildcat operation that has never drilled in Colorado or a Mountain Alpine area. - In general, Hughs company and its representatives have grossly misreprensented the impact of their operation from the get go, and have not been upfront with citizens and county officials and the the CCOCG application process. I have been to every meeting and seen all of their presentations from the beginning, which minimized everything and were as vague as possible showing outdated diagrams and oid boiler plate information that does not even pertain to this situation. <p>Thank you for your consideration.</p>	<p>11/10/2011 4:50:13 PM</p>
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Public	<p>COMMENT NO. 3</p> <p>This letter is to request a Mandatory Best Management Plan for drilling in Rio Grande County, Colorado.</p> <p>The reasons for the request are:</p> <ol style="list-style-type: none"> 1) The presence of the Conejos Fault which could allow chemicals or minerals to move between geologic formations; 2) The presence of warm springs nearby the site proposed for a test well; 3) The presence of native cutthroat trout in the lower regions of San Francisco Creek fed by a tributary of which is located within 1/2 mile of the proposed test site; 4) The seismology of the area which may require frequent pressure testing of well casings; 5) The federally designated critical winter range for 3 species of ungulate within 1/2 mile of the proposed test site; 6) The livestock and human uses of the ground and well waters, locally and downstream of the area; 7) The presence of archeological artifacts in the area; 8) The residential nature of the area which is governed by codes, covenant and restrictions which do not allow commercial or industrial uses and which were agreed to by all property owners in San Francisco Creek Ranch. <p>Specifically we would like scientific measurements to be made of all factors which may affect any of the above characteristics of our pristine area. A Mandatory Best Management Plan would serve to hold developers accountable.</p> <p>Thankyou for your attention, Sincerely,</p> <p>Cristi Larsen, San Francisco Creek Ranch property owner</p>	<p>11/9/2011 4:44:54 PM</p>
Public	<p>COMMENT NO. 4</p> <p>F*r*a*c*K NOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO</p>	<p>11/9/2011 1:47:52 PM</p>
Public	<p>COMMENT NO. 5</p> <p>It's time to stop damaging the earth and the aquifers to have fuel for transportation.Would you rather have fuel or clean drinking water?The sun can provide plenty of energy and we should focus on harnessing solar and wind energy which are compatible with saving our environment.Oil and gas exploration in the San Luis Valley? No fraqing way!</p>	<p>11/9/2011 1:39:15 PM</p>

Public	<p>COMMENT NO. 6</p> <p>November 7, 2011</p> <p>Re:APD, Document 400211669 Dan A. Hughes Company, Operator #10346 Location:San Francisco Creek #1, Rio Grande County</p> <p>To the COGCC Permitting Review Staff Bill Yokely, Permitting Tech Mark Weems, Engineer Dave Kubeczko, Oil and Gas Location Assessment Tech</p> <p>Dear Sirs:</p> <p>The Board of Managers of the San Francisco Creek Ranch Landowners Associations wishes to bring to your attention essential information related to the location of the proposed well named in APD Document 400211669.The site identified in Form 2A lies within the boundaries of the San Francisco Creek Ranch subdivision.This land is not "rangeland" as indicated in the form, but is zoned rural residential by Rio Grande County.The property is governed by the San Francisco Creek Landowners Association Protective Covenants filed with the Office of the Rio Grande County Clerk.</p> <p>All individuals who purchase property and take title to land within San Francisco Creek Ranch do so subject to the governing covenants of our Association and they must abide by the conditions and protective restrictions stated therein. As the owner of Lot #46 (site of the proposed well) in this subdivision, the Dan A. Hughes Company must likewise comply with all restrictions stated in the covenants.San Francisco Creek Ranch Landowners' Association Covenants Section 3, Item H., specifically prohibits the use of any lot for commercial purpose.*</p> <p>The San Francisco Creek Ranch Board of Managers has the obligation to assure that the landowners of the 93 properties within our subdivision will continue to have the protection of all the agreements under which they purchased their properties.These protective covenants were in place well in advance of the purchase of any mineral leases in the San Francisco Creek subdivision.Establishment of a commercial operation on property in San Francisco Creek Ranch is a direct violation of the San Francisco Creek Ranch Protective Covenants. We ask that you carefully consider these points of fact in your review of the pending application for a drilling permit filed by the Dan A. Hughes Company.Honor and safeguard the rights of the landowners who own and live on these properties.</p> <p>Sincerely,</p> <p>The Board of Managers, San Francisco Creek Ranch Nancy Neal, Secretary *Excerpt of the Declaration of Protective Covenants, San Francisco Creek Ranch Section 3, Item L.: Commercial Use – No Lot shall be used for commercial purposes.</p>	11/7/2011 3:09:03 PM
Public	<p>COMMENT NO. 7</p> <p>To Whom it may concern, the actions of the COGCC are appalling in that they choose to not listen to the public on this matter. It is especially disheartening to see the blatant disregard for our unique geological area and the preciousness of our water. With the San Luis Valley being such a large area for agriculture, water is very important to sustainability for our future. We can also look at a number of other sites around Colorado where there is contamination, explosions, a lesser quality of life and even a lesser quality of health. Once the land is damaged there is no going back. Before the permit is even considered we need to see a full review of the EIS and how it will harm our area. The citizens of the Valley have the right to know what could and will happen to our beautiful land if these fracking contaminates are dispersed into our air and water.</p>	11/7/2011 1:08:44 PM

Public	<p>COMMENT NO. 8</p> <p>Thank you for the opportunity to express my concerns. I am a local property owner and a lifetime resident of Colorado, and I am concerned about the proposed permit and the potential impacts to the local environment and the potential adverse affects to the surface and sub-surface water users. The depth of the well will likely have unknown present and long term effects. This type of unknown risk should not be attempted. All chemicals used during the exploration should have known ecotoxicological impacts and if not no exploration should be implimented. I demand no adverse impacts to surface and sub-surface waters in the present and foreseeable future. It is time to update an antiquated mineral exploration law. There are to many unknowns to make this type of risk for the benefit of a few people. This landscape has provided a high quality of life in the past and in the present and should continue to provide for the people of the future.</p>	<p>11/7/2011 10:36:06 AM</p>
Public	<p>COMMENT NO. 9</p> <p>To:Members of the Permitting Review Staff</p> <p>We wish to submit urgent concerns regarding the APD (Document Number 400210265) filed for Rio Grande County, which is currently under your consideration. There are significant factors associated with potential fossil fuel development on this site that pose serious risks to public health and safety and the natural resources, and environment in the area. For the following reasons, we feel that activity associated with oil and gas exploration is distinctly inappropriate within the valley of the San Francisco Creek.</p> <p>PUBLIC HEALTH AND SAFETY</p> <p>*Roads.The roads in this rural area are rough-surfaced with sections of narrow winding roadways and blind curves.They are constructed only for residential and recreational use and are profoundly inappropriate for heavy traffic, large trucks and equipment, and for the transfer of hazardous materials. Weather conditions in this area are frequently harsh, winter and summer, and pose additional dangers of heavy snow, ice, blowing dust, poor visibility, torrential rains and wet slick surfaces, raising the dangers of heavy traffic.Large deer populations living in the area constitute a driving danger because they behave erratically, running into the roadway and presenting a risk for accidents – an especially serious threat to commercial vehicles and trucks carrying hazardous materials.</p> <p>*Student safetyThe sole access to the proposed site passes through a high school campus.There is frequent foot traffic and heavy use by young drivers along this road, making it inappropriate as a route for commercial or industrial traffic.</p> <p>*Exposure to toxic substances.The significant dangers of chemical spills, fire and explosion that accompany oil and gas exploration pose an unconscionable risk to the citizens who live, work, learn and play in this area.</p> <p>*Public safety infrastructure:In the event of drilling activity at the proposed site, the traffic on state highways, county and city roads serving the area would increase exponentially.The work to monitor, enforce and respond to road safety issues would seriously stress state and local government resources and economies needed to assure safety.</p> <p>*Emergency response: The proposed drilling site is 5 miles from the town of Del Norte and its small volunteer fire, emergency and ambulance force.This distance, limited response force, and rural roads do not support rapid response efforts.In the event of explosion, fire, toxic spills or human injury, when immediate action is critical, delays and insufficient human resources are likely and pose a serious threat to public health.</p> <p>*Wind:The west and south prevailing winds across the proposed site are strong and persistent.Any particulate matter, methane, volatile organic chemicals, and airborne contaminants generated in oil and gas exploration would be carried downwind, across rural homes, livestock, schools, the town of Del Norte, the Rio Grande Valley</p>	<p>11/6/2011 10:31:27 AM</p>

and on into the greater San Luis Valley. Air pollution would have serious negative impacts on the growing solar industry in the San Luis Valley. The vulnerability of human, animal and plant life, pure water and air is too great to justify an industrial operation within this populated, fragile environment

*Disposal of drilling cuttings and waste water: The proper and safe management of by-products of drilling is of ultimate concern. Rio Grande County regulations do not allow any on-site storage, necessitating a clear plan of how and where such materials will be disposed. Specific arrangements for off-site disposal of these toxic by-products have not been outlined. Water, soil and air must be protected from contamination at any designated disposal location and the safe transfer of these materials on our roadways, guaranteed.

ENVIRONMENT

*Water resources: The high water demands that accompany oil and gas exploration are of significant concern to residents living near the proposed site and in the towns of Del Norte and Monte Vista. Water in the entire San Luis Valley is already seriously over-appropriated. The operator's plan for water acquisition has not been clearly defined and its delineation is of highest concern.

*Sensitive watershed: Snow melt, rain runoff and spring waters flow across the open meadows surrounding the proposed drilling site and drain east toward a sensitive riparian corridor along San Francisco Creek. The potential at the proposed site for toxic spills, inappropriately managed waste materials, soil disruption and erosion, or interruption of water flows constitutes a serious risk to the quality and health of this vital waterway that feeds downstream water rights and the greater Rio Grande Water Compact.

*Water quality: The potential for contamination or pollution of domestic water supplies on properties in proximity to and below the proposed site has raised serious alarm. Baseline testing of water wells, surface water and San Francisco Creek is of up most importance. Rio Grande County has requested that COGCC conduct baseline testing and ongoing monitoring at regular intervals of waters within a 3-mile radius of the proposed site. This should be mandatory. A certified laboratory, at the operator's expense, should carefully corroborate any water testing that the operator performs.

*Air quality: The risk to clean air above and downwind of the proposed site that could be caused by oil and gas exploration is of grave concern. There is no state regulation for monitoring or protecting air quality and this alone should constitute a moratorium on drilling in this location until baseline data and a stronger regulatory framework have been established.

*Noise: The proposed drilling site is located in a quiet rural setting and pristine foothills valley prized for its solitude. Introduction of heavy traffic and mechanization involved in support of drilling operations would significantly alter the essential resource of silence, an integral component of the health of wild and residential life. The impact on animal and health could have serious repercussions.

WILDLIFE

*Pronghorn antelope habitat: The proposed site sits in the center of year-round range of a pronghorn herd that is highly vulnerable to human activity, noise and disruption of its food and water sources. Drilling activity in this location would seriously impact their well-being and health.

*Elk and deer winter range: The elk and deer populations that live in the area surrounding the proposed site are vital to the local ecosystem, hunting, and the regional economy. Human interference and activity could seriously impair herd movement and health, interrupt access to food and water supplies, and disrupt mating and calving cycles. This is a resource that cannot bear undue pressure.

*Swainson hawk migration flyway: The Swainson hawk biannual migration passes through the valley of the San Francisco Creek. Mineral exploration's disruption of this

	<p>species' food supply and environment could seriously endanger the success of the migration and flock numbers.</p> <p>*Other animal and bird species:The pressures of heavy traffic, noise, displacement, and pressures on food supply would impact dozens of other species in the area' ecosystem.</p> <p>*Aquatic life in San Francisco Creek:Species depending on the waters along San Francisco Creek, especially cutthroat trout, live within the watershed from the proposed site and stand at significant risk from seepage or spills of toxic contamination, silting, or interruption to water supply that are known to occur with oil and gas development.</p> <p>LIFE QUALITY</p> <p>*Zoning:The proposed drilling site is within a subdivision developed on land zoned residential/agricultural. The San Francisco Creek subdivision has been covenanted against any commercial activity within its premises.An industrial operation such as oil and gas exploration is completely inappropriate in this location.</p> <p>*Right to quality of life:The noise, disruption of pristine environment, and threat to rural solitude that would accompany oil and gas exploration is in direct conflict to the lifestyle that the residents of the San Francisco Creek valley and Del Norte have chosen and worked so hard to acquire and maintain.Establishment of a drilling operation in this location would be a distinct violation of personal rights.</p> <p>We urge that in reviewing the Dan A. Hughes APD, you give thoughtful and extended consideration to the health, safety and well being of the people of the San Francisco Creek and San Luis Valleys who will be profoundly impacted by your decisions.We are relying on you to insure that our water, air, health, and life quality are afforded the safety and quality we deserve.Thank you for your careful attention to these comments.</p>	
Public	<p>COMMENT NO. 10</p> <p>I definitely agree with the other comments I read here on this website, that there should be no fracking or drilling for natural gas or oil near the town of Del Norte. The water system in the San Francisco Creek area wouldbe in great danger which would effect not only the people who live there but the animals including the endangered species Cutthroat Trout.</p> <p>This is not acceptable to most of the people who live in Del Norte and surrounding areas. Drilling has been tried before in this area and produced nothing, so why 'TRY' again? Another reason for not drilling in this area is the air polution and physical danger of large diesel trucks coming into Del Norte, turning left right in front of our one grocery store (Jacks Market), also slowing to turn in front of the High Valley Community Center which often has childrenplaying in the yard, then traveling out the road that goes right by the Del Norte High School and their athletic fields.The road itself is small and winding and eventually dirt, not a good infrastructure for large truck heavy traffic.</p> <p>Please, refuse Hughes the right to do any drilling in this area.</p> <p>Thank you.</p> <p>Konnie</p>	<p>11/5/2011 11:34:09 AM</p>

Public	<p>COMMENT NO. 11</p> <p>Please ensure that this operator will follow COGCC Rule 1002(f)(23) and maintain Best Management Practices regarding control of stormwater runoff. Also, please ensure that this operator follow the Water Quality Control Act administered by the Water Quality Control Division.</p> <p>This APD site could damage the water supply for the Town of Del Norte, the Rio Grande River which supplies agricultural and personal water to all those down stream, as well as wildlife. It is vital that any drilling operation respect the Rio Grande River and our aquifer.</p> <p>Thank you.</p>	11/4/2011 5:12:18 PM
Public	<p>COMMENT NO. 12</p> <p>Now, I will be the first to say that I am no expert on the topic but I do feel very strongly against this type of mining in such a beautiful and prestine area that has a high rate of tourism.A new project of this sort will surely create pollution that will cause economic changes and more importantly to me changes in the ecosystem.This area has been a place that my family has hunted for generations of time. The meat that we gather from these hunts provide food for my immediate family and some of my extended family. If this were to impact my families traditional way of live, I would be forever regretting that I would not continue a family tradition for my children, grandchildren and generations yet to come, especially knowing that I could have done something about it. So here I am giving my unease about this propositition to allow Oil and Gas drilling in such a beautiful area. Thanks for your time and hopefully this message will be seen by those who will at least consider the impact it will have, both good and bad.</p>	11/1/2011 4:07:53 PM
Public	<p>COMMENT NO. 13</p> <p>I am no expert, but my understanding is that the consequences of fracking on groundwater, terrain, and air are as yet unknowable.We live in a fairly fragile egosystem here, with a groundwater system that is absolutely essential to our survival.I therefore respectfully ask that you deny this request.</p>	11/1/2011 2:51:25 PM
Public	<p>COMMENT NO. 14</p> <p>I would rather not see gas drilling taking place in the San Luis Valley.We have a unique double aquifer that is essential for our agriculture and way of life here.Pollution of that resource would harm over 8000 square miles of agricultural land as well as peoples homes and lifestyles.Please consider not apporving this permit. Thanks</p>	11/1/2011 2:43:27 PM
Public	<p>COMMENT NO. 15</p> <p>I strongly oppose the drilling and fracking here in the San Luis Valley. Water is the most essential element in the universe and is the most precious resource that God provided the earth. Without water, we have nothing. We must mantain the high quality of water that we have here in the San Luis Valley. The drilling and fracking process will have a determintel effect on the water and the environment. TEXAS DO NOT MESS WITH COLORADO; especially THE SAN LUIS VALLEY'S WATER AND OUR QUALITY OF LIFE.</p>	11/1/2011 10:27:44 AM
Public	<p>COMMENT NO. 16</p> <p>I am opposed to the proposed drilling in the San Luis Valley for oil or gas because it poses too high risk to our most valuable resource which is water and water quality. This area is also rich as a solar resource and it seems completely unnecessary to risk contaminating this valuable land and resources for a future power source that has already proven to cause so many problems.Instead, money, time and effort should be spent trying to find other alternatives to serve our voracious appetites for power and energy.</p>	11/1/2011 10:14:58 AM

Public	<p>COMMENT NO. 17</p> <p>In reference to the comment of dependancy on usasge of a product... The way the product is aquired is the issue here not the need. It is how the industry of OG goes about getting the product. If knowing you are possibly going to contaminate and this causing many consequences even death, because we need to be self reliant we should allow such bad behavior?</p> <p>If you decide you are above the law, then speed around on the highway ending up hitting another vehicle,causing a life changing event to another, even possible death, you will be held accountable for your choice. OG has proven all over the world, just take a drive through Garfield County Co. and see, they are above the law and have damaged many even to death. They are not charged with man slaughter.... So unless you have allowed this in your backyard and your values are affected, you have had to fight for just your right as a property owner, due to knowing the contaminations this industry has gotten by with, may your input be disqualified.</p>	11/1/2011 9:54:50 AM
OGLA	Extended public comment period by 10 days pursuant to 305.c. to 11/13/11 based on LGD request.	10/31/2011 1:46:08 PM
Agency	<p>COMMENT 46</p> <p>We wish to submit urgent concerns regarding the APD (Document Number 400210265) filed for Rio Grande County, which is currently under your consideration. There are significant factors associated with potential fossil fuel development on this site that pose serious risks to public health and safety and the natural resources, and environment in the area. For the following reasons, we feel that activity associated with oil and gas exploration is distinctly inappropriate within the valley of the San Francisco Creek.</p> <p>PUBLIC HEALTH AND SAFETY</p> <p>*Roads. The roads in this rural area are rough-surfaced with sections of narrow winding roadways and blind curves. They are constructed only for residential and recreational use and are profoundly inappropriate for heavy traffic, large trucks and equipment, and for the transfer of hazardous materials. Weather conditions in this area are frequently harsh, winter and summer, and pose additional dangers of heavy snow, ice, blowing dust, poor visibility, torrential rains and wet slick surfaces, raising the dangers of heavy traffic. Large deer populations living in the area constitute a driving danger because they behave erratically, running into the roadway and presenting a risk for accidents – an especially serious threat to commercial vehicles and trucks carrying hazardous materials.</p> <p>*Student safety The sole access to the proposed site passes through a high school campus. There is frequent foot traffic and heavy use by young drivers along this road, making it inappropriate as a route for commercial or industrial traffic.</p> <p>*Exposure to toxic substances. The significant dangers of chemical spills, fire and explosion that accompany oil and gas exploration pose an unconscionable risk to the citizens who live, work, learn and play in this area.</p> <p>*Public safety infrastructure: In the event of drilling activity at the proposed site, the traffic on state highways, county and city roads serving the area would increase exponentially. The work to monitor, enforce and respond to road safety issues would seriously stress state and local government resources and economies needed to assure safety.</p> <p>*Emergency response: The proposed drilling site is 5 miles from the town of Del Norte and its small volunteer fire, emergency and ambulance force. This distance, limited response force, and rural roads do not support rapid response efforts. In the event of explosion, fire, toxic spills or human injury, when immediate action is critical, delays and insufficient human resources are likely and pose a serious threat to public health.</p> <p>*Wind: The west and south prevailing winds across the proposed site are strong and persistent. Any particulate matter, methane, volatile organic chemicals, and airborne</p>	10/31/2011 1:44:31 PM

contaminants generated in oil and gas exploration would be carried downwind, across rural homes, livestock, schools, the town of Del Norte, the Rio Grande Valley and on into the greater San Luis Valley. Air pollution would have serious negative impacts on the growing solar industry in the San Luis Valley. The vulnerability of human, animal and plant life, pure water and air is too great to justify an industrial operation within this populated, fragile environment

*Disposal of drilling cuttings and waste water: The proper and safe management of by-products of drilling is of ultimate concern. Rio Grande County regulations do not allow any on-site storage, necessitating a clear plan of how and where such materials will be disposed. Specific arrangements for off-site disposal of these toxic by-products have not been outlined. Water, soil and air must be protected from contamination at any designated disposal location and the safe transfer of these materials on our roadways, guaranteed.

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Public	<p>COMMENT NO. 18</p> <p>While the SLV and Rio Grande county is not in the anadarco basin , I do belive that there is a supply of Oil and Gas in the Valley. as is evident with the gas capture devices in the Mosca Hooper area that have been there for over 75 years. I belive that we should reduce the dependency on Foreign sources as much as possible. Keeping the dollars at home would a great benifit and roduce tax revenue so that the nonprofits that fight such development will have a source of revenue to keep their employes from going hungry. As I have noticed most all of them drive more that 5 miles to work and live in communities that are isoluated from the rest of the world and drive to buy every thing that is needed for the household more than 5 miles except for a carton of milk or loaf of bread.</p>	10/31/2011 10:43:48 AM	
Public	<p>COMMENT NO. 19</p> <p>I am writing to request that ypu do NOT approve this application to drill. As an avid outdoorsman, i have spent many hours on public lands surronding the proposed drill site. This is beautiful country and inappropriate for drilling, with nearby residential houses. Oil and gas development in and around the San Luis Valley would destroy the unique recreational experiences offered in this area and would turn away those of us who go there for recreation. I also have first hand experience living with oil and gas development in the San Juan Basin and can attest that this industry does NOT belong in a residential subdivision or on Public Lands. It is too dangerous, too dirty and it puts at risk our water which is much more important to our lives than oil and gas will ever be. Approval of this permit will permanantly ruin a very nice residential subdivision and nearby public land. Please Do Not Allow This Permit to Pass!</p>	10/31/2011 8:58:45 AM	

Public	<p>COMMENT NO. 20</p> <p>Obviously, it is the hope of residents whose lives and livelihoods will be most impacted by this application, that those govt bodies/persons conducting this review, and charged with ensuring that the Environmental Impact Requirements are met, fulfill their mandate rather than continue their past practice of bending the rules for big business.Do the job you are mandated to do.</p>	<p>10/29/2011 9:20:56 PM</p>
Public	<p>COMMENT NO. 21</p> <p>As a resident of Rio Grande County, I have the following three main concerns about the permit for drilling in San Francisco Creek:(1) Property owners' rights. My understanding is that the landowner of the potential well site is under the legal obligation to abide by the homeonwer association's restrictions, which include no industrial or commercial use of the land in this residential area. By breaking this contract, Hughs company would be illegally devaluing the residential property value of surrounding landowners. (2) Environmental impacts. Professors Robert Howarth and Tony Ingraffea of Cornell University have called for a moratorium on shale gas development to allow for betyter regulatory frameworkds to be developed and to allow for better study of the cumulative risks to water quality, air quality, an gloval climate. I wholeheartedly agree. It is clear that under the last Bush administration, oil and gas industry leaders were favored and allowed exemption from EPA restrictions to allow for maximum industry development, thus putting corporate interests over public health interests. (3) Economic impacts. Rio Grande County has a thriving and growibng tourism indusgtry. Gas exploration and development threatens tourism, including huinting, as it damages the area's natural beauty and its reputation as a pristine wilderness. Further, as has been seen in other areas of Colorado, Wyoming, and New Mexico, ranching on private and BLM land has been threatened by oil and gas development because of poor disposal practices (and poor regulation of industry pracitces) that allowed pollution of surface water. In addition, the potential for groundwater pollutionm threa threatens the farming industry in the SLV.</p>	<p>10/28/2011 11:02:01 PM</p>

Public	<p>COMMENT NO. 22</p> <ul style="list-style-type: none"> -The Water/Aquifer should be checked on the application as highly sensitive. -County Rd. 13 is inadequate for heavy industrial truck traffic. County Rd. 13 is a dirt road after Pronghorn Subdivision with many blind corners. -Air quality on the valley floor would be compromised due to inversion and prevailing winds from the southwest, especially during the winter months. There have already been some air quality issues due to winter time inversions. -Residential area and heavy industrial activity (SFC is not zoned for heavy industrial) are not compatible. -The impact on local wildlife could be negative (some of which may be endangered, i.e. linx) -The only way in and out of SFC is on Co. Rd. 13, which passes through the Del Norte School campus and bus garage. There is heavy foot traffic between the school and football/track field. -Should there be a chemical spill, there are no near by hazmat emergency resources to handle such an event. There are currently only two hazmat suits located in the SLV, and they are in Conejos county. Is there a plan in place in case of emergency? How could a doctor treat someone who was contaminated by a chemical spill if the doctor doesn't know what chemicals he is dealing with? -Will there be a plan to safely evacuate nearby residents who cannot leave on the subdivision road in the event of an explosion, fire, or spill? -Will the Hugh's company be held accountable for the misinformation on their application to drill; for example, the land in question is not rangeland, but residential. The water source has not been secured from the city of Monte Vista. -The water in the area was not marked as being sensitive. -The property was purchased and is owned by Hughes and should be subject to subdivision covenants, which were in place and disclosed to the buyer. The buyer agreed to abide by the covenants when they signed the contract to buy the lot, which says there will be no commercial or business use on the property. (Surface use) The covenants are a legal filing. -Although we are not presently land owners in the subdivision, but former owners, we believe this is not just a Del Norte or San Francisco Creek issue. We feel that the whole valley could be negatively impacted by a drilling operation. <p>Thank-you for taking our concerns into consideration.</p>	<p>10/28/2011 4:34:54 PM</p>
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Public	<p>COMMENT NO. 23</p> <p>I am 100% opposed to any oil and gas exploration in San Francisco Creek, in Rio Grande County, or anywhere else in the San Luis Valley. This is my HOME, along with the thousands of others living here in RGC and the rest of the San Luis Valley. Yet, had I been informed initially of the proposed hydraulic fracturing to be done within the boundaries of this subdivision, to be sure, I would have chosen to settle elsewhere. But don't think for one minute that IF there are any accidents resulting from hydraulic fracturing in SFC that it will not affect the pristine and ancient aquifer below that we drink from, Del Norte, the Rio Grande River, Monte Vista, Alamosa, and the rest of the agricultural watershed farther downriver. Residents of this beautiful and wild valley with its fragile ecosystem, cannot afford to just HOPE nothing will go awry with these proposed explorations.</p> <p>We can no longer feign ignorance after years and years of past mistakes made by OG all over the world. How many careless mistakes resulting in permanent damage and health risk will it take for us to wake up? We now know, on no uncertain terms, that oil/gas leaks or spills can NOT be cleaned up to any point of certainty or safety for any human or animal living within miles of the site... lasting wayyyyyy beyond our lifetime, our children's lifetimes, and their children's children's lifetimes. Understand, this is right NOW, and gone will be gone... forever. This just doesn't happen on the news to someone else, it could now very likely happen to us ALL here in Rio Grande County and beyond.</p> <p>Understand that I am not against OG exploration... for sure, I drive a vehicle and I heat my home just like everyone else in this world. I am saying there are better places to explore and drill before we have to invade residential areas and endanger the well being of its inhabitants, human, animal, and plant. Rio Grande County cannot afford to let this happen EVER, for so many reasons, on so many levels.</p>	10/28/2011 2:06:53 PM
Public	<p>COMMENT NO. 24</p> <p>There are lots of reasons for NOT drilling. Approving this permit will only benefit Western Land Service. It will not benefit the people of Rio Grande County, Del Norte, or San Francisco Creek Subdivision. Listen to what the people are saying, and stop giving permission for the drilling</p>	10/28/2011 1:10:26 PM
Public	<p>COMMENT NO. 25</p> <p>No! What else can humans do to the environment to make the locals sick? This is not why I moved to the Valley 21 years ago. I want peace and good living; not cancer. I feel we are once again raping the land and making life more difficult for our children. Stop it!</p>	10/28/2011 12:05:39 PM
Public	<p>COMMENT NO. 26</p> <p>As a resident of Rio Grande County I oppose any drilling in the entire valley. I live surrounded by agriculture which depends on water to grow vital food that feeds not just the San Luis Valley but throughout the country. When we are repeatedly pushed by fear mongers who think that we are in instant need of gas and oil it becomes annoying to listen to their BS. Whenever an issue such as this arises it is soon discovered that all those proposing to drill for gas and oil are ill informed yet ignore the information. We as citizens are better informed than they are and we know that it would not be a good choice to enter the San Luis Valley or any other vital area of the U.S. and destroy as we know they will do. It is so obvious what destruction occurs and yet is ignored.</p>	10/28/2011 11:29:26 AM
Public	<p>COMMENT NO. 27</p> <p>Less scars and more healing, this is our Earth the one and only place we have to live in.</p>	10/28/2011 10:30:00 AM

Public	<p>COMMENT NO. 28</p> <p>In terms of potential of degradation, yes this is true. WLS quote</p> <p>-A slim chance of degradation to there is always a chance WLS quote</p> <p>-These are documented quotes from two men working for Western Land Services (WLS)while questioning them about water contamination from a proposed drill by Dan A Hughes for Oil or Gas here in the San Francisco Creek Ranch LOA.</p> <p>-From reviewing this application WLS placed with the COGCC,it appears the most honest thing so far from WLS are the quotes on degradation of water, from prior contact.</p> <p>-To the fact that the prior comments by others address the concerns and requests, clearly, this comment will be made based on those.</p> <p>-If such a permit application were considered without all corrections needed, many safty issues addressed, what type of drilling job and future would this County face dealing with OG.</p> <p>-There is not a Regulator close enough in proximity that would be capable of keeping the integrity needed to protect this County from a drill done by a OG Company contracting Companies that put such an application together.</p> <p>-Regulations themselves are not sufficient enough as it is, therefore making the application process of the highest in standards, becomes vital.</p> <p>-The OG Industry has much to be accountable for and if this application is not denied in its present state, high-toned concern is placed on the people that understand the dangers and consequences this Industry has brought about.</p> <p>-The OG Industry has seemed to come mainly from abase that screams PRO LIFE.....</p> <p>-Lets be politically correct in understanding putting such Industries above the Law of the Land, Regulations protecting each of us, just as a common citizen must abide by, has and will continue to cause deaths that could have been avoided.</p> <p>-So, WLS when you say there is the potential of degradation to a water supply that people depend on, you are saying you know you just might violate the Regulations set up to protect these people.</p> <p>-NO DEGRADATION!</p> <p>-NO DRILL!</p> <p>-COGCC, Dan A Hughes, WLS, BLM, is the degradation to water, air, life, worth the consequence of living with your conscience, per-chance there is degradation?</p>	10/27/2011 5:06:20 PM
Public	<p>COMMENT NO. 29</p> <p>There are several reasons to disapprove this permit I am submitting only a few of them. I request that you disapprove this permit or at lease postpone approval until the following issues are resolved.</p> <ol style="list-style-type: none"> 1.Western Land Services marked "Rangeland" as the land use in the proposed well site area. It is a vacant lot in RESIDENTIAL SUBDIVISION where people live year round not rangeland. Do not approve this permit. 2.Commercial activities are expressly prohibited in this particular subdivision by the Covenants of the San Francisco Creek Land Owners Association. Dan A Hughes LP is in violation of the covenants if they start drilling. They will be Breaking The Law! Do not approve this permit. 3.They will be using Hwy 160 and increasing traffic between Monte Vista and Del Norte. Do not approve this permit. 4.The access roads, CR 13 and Wagon Wheel Road, are not suitable for heavy industrial traffic. Require improvement before approving the application. 5.The access road CR 13 passes the only grocery store in town, bisects the Del Norte HS campus, goes through a high density residential area, and passes the Del Norte Cemetery before it goes into more open land. Do not approve this permit. 6.The access road CR 13 is only partially paved and much of the proposed route is gravel/dirt and has many tight curves. The time that they want to drill is when this road gets particularly sloppy and heavy industrial traffic would make this much worse. Additionally there are no turnouts so local traffic, residents and recreational traffic, will not be able to pass slow moving vehicles. Require improvement before passing this permit. 7.The access road Wagon Wheel Rd. is a Cul-de sac so if there is an explosion, toxic chemical release or fire the residents on properties beyond Lot #46 have no 	10/27/2011 6:35:45 AM

means of egress. The only way out of these lots would be over rough terrain and in many areas restricted by fencing and arroyos. Do not approve this permit.

8.The access road Wagon Wheel Rd. is too narrow for industrial truck traffic. The road would need to be widened and improved and at least one culvert replaced before activities start. Require improvement before passing this permit

9.The water in the SLV is over allocated and changing the water use needed from more traditional uses such as agriculture and recreational to industrial/commercial would irreversibly and negatively affect the area's landscape and population. Also The Division of Water Resources requires returning the water to the system and the application does not state how this will be done. Do not approve this permit.

10.Contaminated water and mud from drilling will be collected on site and taken away to a disposal facility but no specific disposal facility is named in the permit and there is none available nearby. Do not approve this permit.

11.Western Land Services has submitted incorrect information about water wells within a one-mile radius of the drill location. Locations of these wells are inaccurately depicted on the Well Location Map they submitted and some of these wells were never located by GPS. Require this be corrected before approving this permit.

12.Western Land Services employed a person to sample water from domestic wells and surface waters that is not licensed and did not follow usual protocol for collecting and transporting samples. He did not wear gloves during sample taking and did not follow chain of custody protocol afterwards. Require redo of the water sampling before approving this permit.

13.The domestic water well sampling data that Western Land Services is submitting is over a year old. Karen Spray of COGCC recommends that water testing should be conducted as close to the time of actual drilling as possible, at least within a 6 months time frame. Western Land Services should be required to repeat this testing and follow acceptable protocol before approving this permit.

14.Western Land Services has checked that they do not anticipate encountering salt water nor are they planning on using salt water to drill this well yet in their Surface Use Plan they indicate permanently installing (2) 400 BBL salt water tanks on site if the well produces. What are these for if salt water is not involved? What is Western Land Services trying to hide? Do not approve this permit.

15.Western Land Services has declared that they will be using a closed loop system on the Pad Location and Construction Drawings they state "PIT LOCATION AND SIZE TO BE DETERMINED AT TIME OF CONSTRUCTION" Sounds like a pit will be constructed to me and this is not allowed. Do not approve this permit.

16.There are no fire hydrants in the San Francisco Creek subdivision and Del Norte has a Volunteer Fire Department. Western Land Services says "Fire suppression equipment will be available to suppress any wildfires caused by construction or related activities. In the event of a wildfire, call the Pueblo Interagency Fire Dispatch Center (719-553-1600)" How long is that going to take? And if they use Del Norte's fire dept who will be available for responding in the event someone else needs them? They do not say who will be furnishing this fire protection at the site or what exactly this will be. There is no water well on Lot #46 so where will the water come from to fight a fire, the neighbor's domestic wells? Do not approve this permit.

17. Del Norte has a hospital but no decontamination unit. Western Land Services is applying for "1 well" and says that they will not be fracking but using traditional vertical drilling. But what they have said in meetings with Rio Grande County Commissioners, members of the San Francisco Creek LOA, and the general public is that if the well produces either oil or gas they plan to develop it and could drill up to 8 wells from this pad alone. They also spoke about "fracking" and directional drilling. They have not volunteered to participate in the COGCC Comprehensive Drilling Program that makes their future development plans transparent to the public and would allow the town to ask for support to develop needed infrastructure for extensive drilling operations. Dan A Hughes holds leases to 3,000+ acres of mineral rights in this area so development is not just the 520 ac in this application. What really is his plan? What are they trying to hide? Require a comprehensive drilling plan before approving this permit.

18.Western Land Services does not identify methods for controlling air pollutant emissions and there is no baseline data on air quality and no plan to obtain baseline data prior to developing this well. There is no plan for air monitoring during operations. Address this issue before approving this permit.

19.There is no comprehensive Health Assessment completed for either Rio Grande County or Del Norte that establishes baseline data in the event that oil and gas

	<p>development expands beyond this first well. The impact of drilling in this unique area cannot be adequately addressed without first having baseline data. Delay approval until this assessment can be done.</p> <p>20. Air pollution, exposure to toxic chemicals and contaminated drinking water can cause acute illness, chronic health problems and in some instances even death. There is no bond requirement of Dan A Hughes identified in the application and there is no requirement for the company to establish and pay for a medical fund to pay for adverse health effects caused by oil and gas development activities. At least one of these should be required before approving this permit.</p> <p>21. Western Land Services says they will be using diesel motors to run their equipment. Electric motors can be used and there is electrical service available to this lot. Because this is a residential subdivision all efforts should be made to keep intrusions at a minimum. Electric motors should be required before approving this permit.</p> <p>22. There is no mention of lighting that will be used during or after drilling operations. Lighting is restricted in this residential subdivision by LOA Covenants and since Dan A Hughes is also the landowner he must be required to comply with Covenant lighting requirements. The state needs to be aware of this conflict and correct it before approving this permit.</p>		
Public	<p>COMMENT NO. 30</p> <p>Dear COGCC,</p> <p>The Jynnifer drill site that was drilled in the 1980's in Rio Grande County was left abandoned and leaking contaminates into the soil. Why would COGCC approve another drill attempt in that area before the Jynnifer site is cleaned up? That area is in a residential area. For God sake, Rio Grande County is home of the headwaters of the Rio Grande river! We depend on tourism. Tourist aren't going to come to a high traffic, air poluted place. The risk is too great to drill. Protect Rio Grande County!!</p>	10/26/2011 4:38:53 PM	
Public	<p>COMMENT NO. 31</p> <p>I believe that fracking should not be allowed in the San Luis Valley. The SLV is a habitat to many rare animals and ecosystems. Fracking would cause damage to these fragile ecosystems through land degradation and water contamination. As a Resident of the SLV I would be devastated if you began fracking here.</p>	10/26/2011 4:03:43 PM	
Public	<p>COMMENT NO. 32</p> <p>I have encountered so many people recently who are so frightened about big companies coming into the valley and drilling on their land. They are so frightened about their safety and the safety of their families concerning the reprocutions that drilling has had on previous families. I feel for all of them so deeply and only wish i could do something more than leave a comment here. I have been to many events concerning oil and gas drilling and feel that the big oil companies are trying to cover up the fact that there are serious reprocutions with drilling near peoples homes. The water that is contaminated is the same water that many families need to survive. Also the large amount of water used in drilling seems like a huge waste. Hopefully we can fight the big companies and save our water and keep our earth clean.</p>	10/26/2011 2:14:07 PM	
Public	<p>COMMENT NO. 33</p> <p>I believe that allowing for natural gas drilling in Rio Grande County is a grave mistake. The amount of natural gas accessible in the San Luis Valley has always been low, and it is unlikely that nearly enough will be produced to compensate for the damage caused by drilling in the area. This will disturbed local residents, and disrupt the local economy.</p>	10/26/2011 2:07:33 PM	

Public	<p>COMMENT NO. 34</p> <p>I am very much opposed to drilling for oil gas in Rio Grande County (and the entire San Luis Valley)! The risks to our water, agricultural life, tourism and standard of living are too high!!! We choose renewable energy. No Fracking Here</p>	<p>10/26/2011 2:02:24 PM</p>
Public	<p>COMMENT NO. 35</p> <p>I oppose the proposed drill area because it is near water sources and near the Rio Grande river which supplies human and agricultural water to Southern Colorado, New Mexico and Texas. The San Luis Valley is an agricultural and ranching area that depends on clean water. Most residents of the Valley live here because of the clean air, water and beauty of the land and/or as a place for their livelihoods as ranchers, farmers, or in the tourist industry which conflicts with oil gas development.</p>	<p>10/25/2011 2:26:39 PM</p>
Public	<p>COMMENT NO. 36</p> <p>Dear COGCC:</p> <p>This well, to be located in the San Luis Valley, is one that can have irreversable impacts upon the income and welfare of a people who depend upon the water not just for drinking, but for their very welfare. It will impact agriculture, wildlife, tourism, and the legal water compact with neighboring states. Granting such a permit will create precedent leading to a very serious impact upon these resouces and committments. It is not a worthy compromise for the entire welfare of a valley, its ecosystem, and the region's states lying within the Rio Grande watershed and valley. Therefore, I urge you to deny this request.</p>	<p>10/21/2011 5:05:11 PM</p>
Public	<p>COMMENT NO. 37</p> <p>Dear COGCC,</p> <p>Adams State College hosted an Oil Gas Forum just a few days ago. During that forum, experts from a variety of fields (geophysics, conservation, economics, land use, legal, etc) discussed the impacts drilling would have on the Valley. Economic development surveys indicate that the majority of the residents would like the Valley to be a drill-free zone and more effort directed towards solar, wind and tourism development. This was also the consensus of the attendees at the oil gas event. Being the headwaters of the Rio Grande and an important agricultural area for the State, please decline Hughes application.</p>	<p>10/21/2011 11:24:46 AM</p>

Public	<p>COMMENT NO. 38</p> <p>By the sloppy and incomplete permit that was turned into the COGCC, Western Land Services did a great injustice to Hughes Oil, Rio Grande County, and the people of San Francisco Creek Subdivision. Hughes Oil of Beesville TX. now believes that they will be drilling on Rangeland, not in a subdivision, in the middle of 4 residential homes. Hughes also believes that that water well testing was done by a professional hydrologist not the father of the Land services manager who is not qualified. Hughes believes that the water well map is accurate, which it is not. Hughes Oil believes that April 1 2012 is a good start date, when they should have been advised that April is the areas destroying month for County Roads. Plus the High School is still in session for the 45 day drilling period, so now all of those trucks can drive through a school zone with students present. No mention of the Conejoes formation, so the casements will be inadequate. No mention of the Waggoner Well that produced hot water but no OIL OR GAS. No mention that the narrow private subdivision road needs to be improved for the heavy truck traffic. No advisement from Western Land Services or the COGCC that the old Jynniifer Well might already be contaminating the Conejos Formation Aquifer because LG Mosley or the COGCC, or the EPA never did an integrity test on the 8000 foot pipe that by law should have been tested 20 years ago. Not to mention the surface contamination that nobody wants to deal with.</p> <p>Hughes Oil is unaware that their property will be subject to lien according to HOA rules once drilling begins. Monta Vista City might not have water to sell due to the drought. The Western Land Services Permit will be taken for face value by the COGCC and the BLM, then it will be dump on the Rio Grande County Land Use Administrator to deal with all the local issues. This permit needs to be rejected until an proper permit can be presented for the benefit of Hughes Oil, Rio Grande County, and the San Francisco Creek Subdivision.</p>	10/21/2011 10:58:44 AM
Public	<p>COMMENT NO. 39</p> <p>Dear COGCC,</p> <p>This permit in question represenative of the worst practices of the COGCC that will scar the image of the Oil and Gas Industry in Colorado for ever. As you know, the drill location is within an established residential deveopment in Rio Grande County. You are imposing an incompatable industrial use on a residential area and therby diminishing property values and quality of life. COGCC as agency of the state are knowingly depriving it's residents of monetary value and public health and safety. The granting of this permit is a gross violation private property and public rights. It is your duty to deny this permit.</p>	10/17/2011 8:48:02 PM
Permit	Operator corrected casing information. Form has passed completeness.	10/14/2011 10:01:53 AM
Permit	Returned to draft. Invalid casing information.	10/13/2011 2:14:36 PM
Permit	Operator correct errors. Form has passed completeness.	10/13/2011 2:00:52 PM
Permit	Returned to draft. #22b should read SUA attached. Conductor pipe?	10/11/2011 9:48:48 AM

Total: 50 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	AN APD, INCLUDING A SURFACE USE PLAN OF OPERATIONS, WHICH INCORPORATES BLM BMP'S, WILL BE SUBMITTED TO THE BLM AND THE COGCC. THIS SURFACE USE PLAN IS INCLUDED UNDER ATTACHMENTS LISTED AS SURFACE PLAN.

Total: 1 comment(s)