

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



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APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER ST 2
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☒

Document Number:

400188303

PluggingBond SuretyID

20090069

3. Name of Operator: DELTA PETROLEUM CORPORATION

4. COGCC Operator Number: 16800

5. Address: 370 17TH ST STE 4300

City: DENVER State: CO Zip: 80202

6. Contact Name: Jennifer Barnett Phone: (303)578-2536 Fax: ()

Email: jbarnett@progressivepcs.net

7. Well Name: NVega Fed 12B Well Number: 6-14D

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

9. Proposed Total Measured Depth: 13516

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 12 Twp: 9S Rng: 93W Meridian: 6

Latitude: 39.295089 Longitude: -107.719350

Footage at Surface: 1100 feet FNL 2499 feet FWL

11. Field Name: Buzzard Creek Field Number: 9500

12. Ground Elevation: 7533 13. County: MESA

14. GPS Data:

Date of Measurement: 10/09/2009 PDOP Reading: 0.0 Instrument Operator's Name: Ted Taggart, Wasatch Surveying

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
260 FSL 250 FWL 693 FSL 890 FWL
Sec: 6 Twp: 9S Rng: 92W Sec: 6 Twp: 9S Rng: 92W

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: 359 ft

18. Distance to nearest property line: 218 ft 19. Distance to nearest well permitted/completed in the same formation: 2258 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.)
MESAVERDE	MVRD	429-11		

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC 64765

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):

T9S R93W: Sec. 6: Lots 1-6, S/2NE/4, SE/4

25. Distance to Nearest Mineral Lease Line: 250 ft

26. Total Acres in Lease: 505

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: Closed loop

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	30	20		0	90	200	90	0
SURF	17+1/2	13+3/8	61	0	2,312	2,020	2,312	0
1ST	12+1/4	9+5/8	47	0	9,000	1,295	9,000	1,800
2ND	8+1/2	5	23.2	0	13,516	920	13,516	9,500

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

33. Comments This is sidetrack #2The BHL target has not changed from original permit.The cement for the conductor casing is 10 Yds.

34. Location ID: 312666

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: Jennifer Barnett

Title: Regulatory Agent Date: 7/22/2011 Email: jbarnett@progressivepcs.net

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. Nesline

Director of COGCC Date: 8/28/2011

API NUMBER

05 077 10085 02

Permit Number: _____ Expiration Date: 8/27/2013

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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) COMPLIANCE WITH THE NOTICE TO OPERATORS DRILLING WELLS IN THE BUZZARD, MAMM CREEK, AND RULISON FIELDS, GARFIELD COUNTY AND MESA COUNTY IS REQUIRED. SEE ATTACHED NOTICE.

(3) THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE-MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

(4) NO PORTION OF ANY PIT THAT WILL BE USED TO HOLD LIQUIDS SHALL BE CONSTRUCTED ON FILL MATERIAL, UNLESS THE PIT AND FILL SLOPE ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER, SUBJECT TO REVIEW AND APPROVAL BY THE DIRECTOR PRIOR TO CONSTRUCTION OF THE PIT. THE CONSTRUCTION AND LINING OF THE PIT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR THEIR AGENT. THE ENTIRE BASE OF THE PIT MUST BE IN CUT.

(5) THE SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 -MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 90 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400188303	FORM 2 SUBMITTED
400188545	SURFACE AGRMT/SURETY

Total Attach: 2 Files

<u>General Comments</u>		
<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added ST 1 comment and API suffix Added commingle as no	8/26/2011 3:30:34 PM
Engineer	opr rep (J. Barnett) emailed: I have a change to make on the casing, TD, and formations for the NVega Fed 12B 6-14D sidetrack #2 (Doc #400188303). I wasn't aware that a sundry had been filed and approved to deepen the well. I put the casing program that was listed on the original APD. Here are the new changes. If it would be easier to have me fill it in then I can do so. This was all listed on the sundry that was approved already by the COGCC. Estimated TD= 13,516' Intermediate casing= 12 1/4" hole, 9-5/8" casing, 53.5# and 47#, set @9000' with 1295 sacks of cement, TOC= 1800' Production casing= 8-1/2" hole, 5" casing, 23.2#, casing from 8700'-13,500', using 920 sacks of cement, TOC= 9500' see Form 4 # 2517497: change BHL, change spacing unit, change name, add FMs, change casing/cement program, confidential, increase TD	7/29/2011 12:45:16 PM
Engineer	Form 4 (#1720144) had details for this sidetrack: FORM 4 077-10085-02: DELTA PETROLEUM CORPORATION SIDETRACKED THE NVEGA FED 12B 6-14D WELL ON 7/2/2011. THIS IS SIDETRACK #2. THE DRILL PIPE BECAME STUCK WHILE SETTING A CEMENT PLUG AT 5,400' TMD. THE BOTTOM 873' OF DRILL PIPE (5,400' TO 4,527' TMD) WAS CEMENTED AND STUCK IN THE HOLE AND WAS NOT RECOVERED. A PLUG BACK AND SIDETRACK OPERATION WAS NECESSARY TO BE ABLE TO CONTINUE DRILLING THE WELL. TD REACHED WAS 5,400' TMD CASING SET- CONDUCTOR PIPE: 30" HOLE, 20" CONDUCTOR PIPE SET AT 90' W/10 YRDS CEMENT. CEMENT BOTTOM: 90', CEMENT TOP: 0'. SURFACE CASING: 17 1/2" HOLE, 13 3/8", 61#, J-55 CASING SET AT 2,312' W/634 BBLS CEMENT. CEMENT BOTTOM: 2,312', CEMENT TOP: 0' (1.9" EXTERNAL PARASITE STRING 568' TO 0') FISH IN THE HOLE - 873' OF 4 1/2", 16.6#, G-105 DRILL PIPE OPEN ENDED FROM 5,400' TO 4,527' TMD PLUG DEPTHS AND CEMENT VOLUMES - PLUG #1 (PLUG AT BOTTOM OF HOLE AROUND DRILL PIPE FISH) 79 BBLS MOUNTAIN G CEMENT, 15.4 #/GAL SET AT 5,400' ESTIMATED CEMENT TOP 4,580' IN ANNULUS, TAGGED TOP OF CEMENT @ 4,588' INSIDE DRILL PIPE (ESTIMATED MINIMUM 832' PLUG). PLUG #2 37 BBLS 17#GAL CEMENT SET AT 4,510' TAGGED CEMENT TOP @ 4,315' TMD (195' PLUG) SIDETRACK KICK-OFF POINT- DRILLED CEMENT FROM 3,754' TMD TO THE SIDETRACK KICK-OFF POINT OF 3,777 TMD THE BHL TARGET AND DIRECTIONAL PLAN IS THE SAME AS ORIGINALLY PERMITTED. A FORM 2 HAS BEEN SUBMITTED FOR THE SIDETRACK 02. DELTA PETROLEUM CORPORATION GAVE VERBAL NOTIFICATION FOR THE SIDETRACK TO CHUCK BROWNING ON JUNE 30, 2011 WHO SAID THAT DELTA COULD PROCEED.	7/27/2011 4:33:22 PM
Engineer	waiting on clarification on doc # 400188097 -- another eForm APD for this same well, but "sidetrack #1", not #2. two different depths (TMD) are given. is Sundry (Form 4) # 2517497 (increases formations and TD to 13k') still intended? what would help would be if opr attached wellbore schematics depicting present wellbore configuration and what is intended. also, detailed step-by-step procedures as to what the plan is. Jeffifer Barnett (opr rep) provided information, including a wellbore schematic.	7/27/2011 12:59:07 PM
Permit	API does not appear on map but is in database. SUA is not attached	7/22/2011 9:11:15 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

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